

Product Range

The new generation
of diaphragm valves



+GF+

GEORG FISCHER
PIPING SYSTEMS

Benefits

You can expect a great deal more from the new generation of diaphragm valves: More safety, simplicity and efficiency.

It began with the wish for something new. Out of this came something new for the market: safer, simpler and more efficient. Georg Fischer Piping Systems is revolutionizing your idea of a diaphragm valve.



Safety

Where there is no metal, there is no corrosion. Just like in the new generation of diaphragm valves from GF Piping Systems. Instead of the usual four metal screws, the new diaphragm valve has only a central plastic housing nut. And what is the direct advantage of this? The corrosion-free connection guarantees homogeneous expansion when exposed to temperature variations, which eliminates the need to retighten the screws. This results in uniform surface pressure that guarantees tightness up to 16 bar operating pressure.



Simplicity

Open or closed, automatic or manual: With flicks of the wrist the new diaphragm valve can increase flow or turn everything off completely. The lockable handwheel is a standard feature, the two-coloured position indicator shows the actual position of the diaphragm at a glance. Moreover, at the same time the upper housing section is the interface for a self-adjusting electrical position indicator. All the installation dimensions of the previous model were retained so it is backward compatible.



Efficiency

What is your definition of efficiency? 10, 15 or even 20 percent more? The new generation of diaphragm valves offers 100 percent more flow. That means doubling the flow rate at constant energy consumption. The key lies in the optimized geometry of the valve body. At the same time, the new diaphragm valve has linear flow characteristics and thus guarantees both increased efficiency and constantly stable processes. The minimized dead space also provides maximal hygiene.

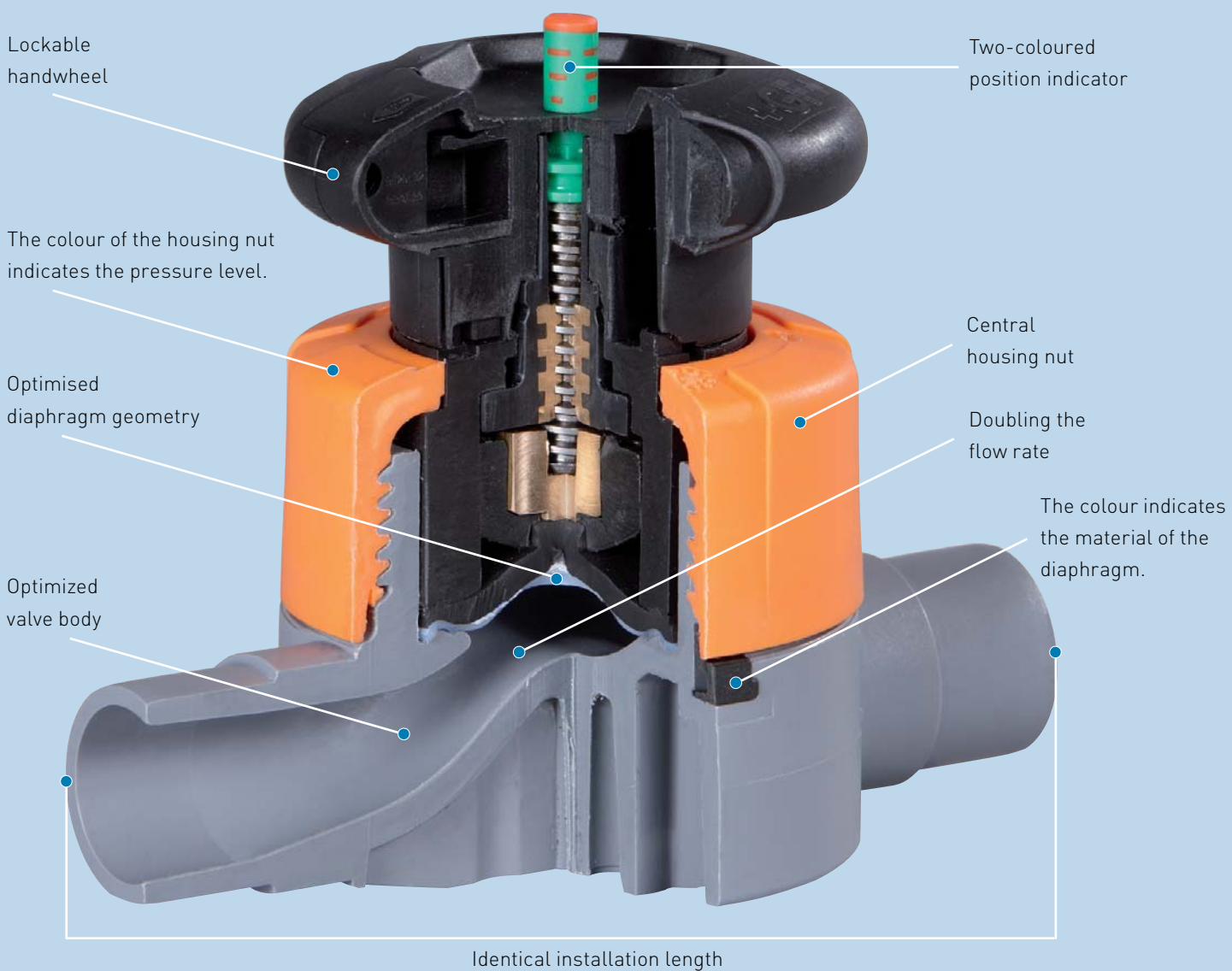
Features

The sum of innovative developments guarantees the added value.

What is important and what isn't? GF Piping Systems asked about the requirements and that was the basis for developing the technical solutions. This way of proceeding is what makes the valve so extraordinary. In the new generation of diaphragm valves, there is something over and above

innovation in details that is crucial for success. The optimized valve body guarantees the sensational flow rate. The installation length is identical to the length in the previous model and this makes for problem-free backward-compatibility. The central housing nut holds everything together

with a new level of reliability. There are many other characteristics that make the new generation of diaphragm valves a globally successful product innovation.



Functions and configurations can differ from the illustration, depending on the type.

The system

At a glance.

There are almost no limits to the applications of the new generation of diaphragm valves. Regardless of whether it is the manual or the pneumatic valve.



Retrofitting of the feedback unit.



Materials

The application determines the material. Therefore, for optimal reliability, we offer you the choice of these materials: PVC-U, PVC-C, ABS as well as PP-H, PP-n and PVDF. With diaphragm materials available in EPDM, PTFE, FPM and NBR, the valves can be utilized with almost all chemicals.

Connections

Do you need a true union valve with solvent cement socket, do you want to weld in the valve, do you have to create a threaded connection to existing components of the plant or does the standard call for a specific flange? We help you with the right answer for a reliable connection.

International standards

No matter where you intend to use your valves, compatibility is obligatory. We ensure worldwide connection with international standards such as ISO, BS, ASTM, ANSI and JIS.

Standardization

Compliance with international standards:

prEN ISO 16138

Industrial valves –
Diaphragm valves made of thermoplastics.

ISO9393

Valves made of thermoplastics.
Pressure test and requirements.

EN558

Installation length of diaphragm valves corresponds to EN558.

Approval reported:

DIBt, W270, KTW, FDA and others.

Electrical feedback

In modern plant automation, process monitoring is increasing in importance. The optional electrical feedback can be easily assembled in a few steps.

- Removal of handwheel
- Attachment of electrical position indicator
- Attachment of handwheel
- Wiring of plugs
- One-time opening/closing of the valve for calibration.

System details

A product innovation that is more than the sum of its details.

The focus of the innovation was not the technical details but rather the absolute customer requirements. GF Piping Systems developed technical solutions in response to these requirements. The result can be seen in the details.



Optimised flow geometry.

Central housing nut

Proven for decades in threaded unions and now applied to the housing: Simple, even surface pressure, no retightening. Very important: The uniform expansion with temperature changes of the plastic-plastic connection prevents leaks.

Uniform diaphragm interface

Simplified spare parts, easy exchange, enormous flexibility: The diaphragm interface was constructed in such a way that the threaded connection does not transfer pressure forces to the diaphragm pin.

Two-coloured position indicator

How far is my valve opened?
The clearly visible two-coloured position indicator shows the actual position at a glance from a distance.

Locking

Is the process set? Secure it against undesired tampering with the integrated locking mechanism and with a padlock. In normal operation,

the lock mechanism disappears in the handwheel, so that the ergonomics are not impeded.

Optimised flow geometry

An optimised flow geometry with soft transitions and radii doubles the flow rate compared to a typical diaphragm valve. The control characteristics are almost linear.

A worldwide unique manufacturing procedure makes this possible.

It also provides maximal hygiene with minimized dead space. With no disruptive flow turbulence, noise and wear and tear are significantly decreased.

In addition to reduced pressure losses, an optimised flow rate also means that energy is conserved, and this lowers operating costs.



Clearly visible position indicator.



Handwheel unlocked.



Handwheel locked.

The DIASTAR system

Simple automation.

GF Piping Systems has the optimal actuator configuration for your individual needs. You can rely on the pneumatic DIASTAR valves.



DIASTAR Six



DIASTAR Ten



DIASTAR Sixteen

DIASTAR Six

Are you looking for a cost-effective solution with a long working life for elastomer diaphragms up to 6 bar? Then you are on the right track with DIASTAR Six. It combines high quality with the basic functions of a pneumatic actuator. Its compact construction is also an advantage.

DIASTAR Ten

Optimally suited for all standard applications up to 10 bar requiring integration of accessories. Uncomplicated integration into the plant automation is possible through the appropriate interface. DIASTAR Ten also offers the possibility of using a PTFE diaphragm. The cost-benefit ratio is unbeatable.

DIASTAR Sixteen

This is our strongest one. It guarantees reliable control of operating pressures up to 16 bar. Are you looking for maximal reliability? And do you want an integrated accessory interface for simple system integration?

Then DIASTAR Sixteen is the right choice.

Variety of accessories

Individual solutions must also fit individual requirements; otherwise they are not solutions. For your modern plant automation, we offer the appropriate variety of accessories:

- 3/2-way pilot valves for single acting valves
- 5/2-way pilot valves for double acting actuators
- Valve clusters for rational automation with interfaces for the common bus protocols
- AS interface for simple bus communication
- Stroke limiter for fine adjustment and manual override
- Electrical position indicator with self-adjusting limit switches
- Positioner for demanding regulation applications

Details DIASTAR

The right actuator for every situation. It's quality is already well-known and now further optimised.

Building on the design of the manual valve, the pneumatic actuators from GF Piping Systems have also been thoroughly reworked. The result of this development can also be seen in the details.



Comprehensive accessory assortment.



The rotary air connections permit compact installation of the unit.

Appropriate actuator and accessories

A long diaphragm working life is fundamental for the reliability of your application. That is why we offer you the right DIASTAR to correspond to your application with the use of 3, 4, or 6 spring assemblies for high closing forces and with integrated fixed stop in the actuator to avoid overloading the diaphragm. The low maintenance piston actuators with double spindle guide allows a long working life.

Rotary air connection

In tight installation locations the actuators may be assembled back to back. The air connection can be turned to the desired position in 90° steps in all actuators.

Housing material

The fibreglass-reinforced PP housing material ensures that your actuator will withstand aggressive environmental conditions. Extensive use of plastics and stainless steel protects the interior of the valve.

Mechanical interface

The DIASTAR Ten and Sixteen both have a mechanical interface to which accessories can be attached without difficulty. This is essential, since the actuation technology is an integral component of the total plant control. Our accessory program offers you a number of options for equipment that responds to your requirements. Self-adjusting limit switches, positioner, solenoid pilot valves, valve clusters with bus communication, AS-i-control heads and more.



Fixed stop and spring assemblies for a longer valve working life.

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Copiable Configurator +GF+ Diaphragm Valve

Valve body type

A20 Type 514 - True Union Design
A21 Type 515 - Spigots
A22 Type 517 - Flanges

Material

B01 PVC-U
B02 PVC-C
B03 ABS

Dimension

C05 DN 10 3/8"
C06 DN 15 1/2"
C07 DN 20 3/4"
C08 DN 25 1"
C09 DN 32 1 1/4"
C10 DN 40 1 1/2"
C11 DN 50 2"

Version

D11 standard
D05 silicone free / oil free

Diaphragm

E01 EPDM
E02 FPM
E11 NBR
E12 PTFE/EPDM
E04 PTFE/FPM

Connecting parts

H01 PVC-U Cemented socket metric
H02 PVC-U Cemented socket JIS
H03 PVC-U Cemented socket ASTM
H04 PVC-U Cemented socket Zoll BS
H05 PVC-U Cemented spigot metric
H06 PVC-U Threaded socket Rp (ISO)
H08 PVC-U Threaded socket Rc (JIS)
H09 PVC-U Threaded socket NPT (ASTM)
H11 PVC-C Cemented socket metric
H13 PVC-C Cemented socket Zoll ASTM
H14 PVC-C Cemented spigot metric
H20 ABS Cemented socket metric
H21 ABS Cemented socket Zoll BS
H24 ABS Cemented spigot metric
H40 PE-80 Fusion socket metric
H41 PE-100 Butt fusion spigot SDR11 metric
H43 PE-100 Butt fusion spigot long SDR11 metric
H62 Fixed flange PVC-U JIS
H70 Backing flange PVC-U metric with PVC-U endings
H71 Backing flange PVC-U Zoll ANSI with PVC-U endings
H71 PVCC Backing flange PVC-U Zoll ANSI with PVC-C endings
H72 PVCC Backing flange PP-steel metric with PVC-U endings
H72 PVCC Backing flange PP-steel metric with PVC-C endings
H72 ABS Backing flange PP-steel metric with ABS endings
H73 PVCC Backing flange PP-steel Zoll ANSI with PVC-U endings
H73 PVCC Backing flange PP-steel Zoll ANSI with PVC-C endings
H73 ABS Backing flange PP-steel Zoll ANSI with ABS endings
H74 PVCC Backing flange PP-V metric with PVC-U endings
H74 PVCC Backing flange PP-V metric with PVC-C endings
H74 ABS Backing flange PP-V metric with ABS endings
H74 PVCC Backing flange PP-V metric with PVC-C endings
H75 PVCC Backing flange PP-V ANSI with PVC-U endings
H75 PVCC Backing flange PP-V ANSI with PVC-C endings
H78 PVCC Backing flange PP-GF JIS with PVC-U endings
H80 PVC-U valve end blank

Electrical feedback

I33 Electrical feedback with Ag, Ni limit switches
I34 Electrical feedback with Au limit switches

Manual actuated: pressure tight housing

K30 Bonnet pressure tight
K31 Bonnet not pressure tight

Pressure range

M01 PN10
M02 PN16

Example:

Diaphragm valve with valve body type 515, PVC-U, EPDM diaphragm, DN25, cemented spigots metric, electrical feedback, pressure tight housing, PN10



A21 B01 C08 D11 E01 H05 I33 K30 M01

P

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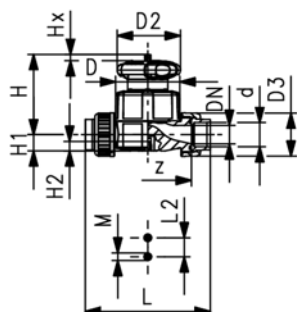
Pneumatic Actuator DIASTAR

P40 DIASTAR Six FC fail safe to close
P43 DIASTAR Ten FC fail safe to close
P44 DIASTAR Sixteen FC fail safe to close
P45 DIASTAR Sixteen FO fail safe to open
P46 DIASTAR Sixteen DA double acting
P47 DIASTAR Ten FO fail safe to open
P48 DIASTAR Ten DA double acting

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U

With solvent cement sockets metric PN16



Model:

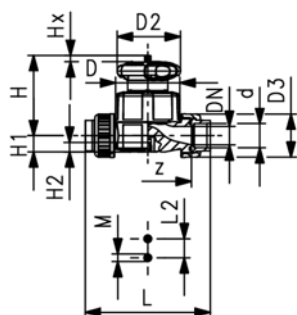
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	16	125	800 047 166	800 047 160	
25	20	16	271	800 047 167	800 047 161	
32	25	16	481	800 047 168	800 047 162	
40	32	16	759	800 047 169	800 047 163	
50	40	16	1263	800 047 170	800 047 164	
63	50	16	1728	800 047 171	800 047 165	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	96	7	
25	80	65	51	152	25	81	18	12	M6	114	10	
32	88	87	58	166	25	107	22	12	M6	122	13	
40	101	87	72	192	45	115	26	15	M8	140	15	
50	117	135	83	222	45	148	32	15	M8	160	19	
63	144	135	100	266	45	166	39	15	M8	190	25	



Diaphragm valve type 514 PVC-U

With solvent cement sockets metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

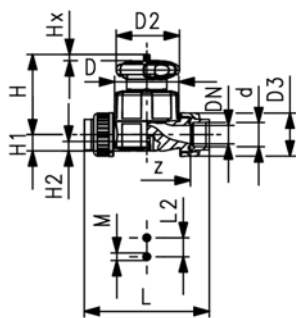
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
16	10	10	125	161 514 001	161 514 011	161 514 031	161 514 061	
20	15	10	125	161 514 002	161 514 012	161 514 032	161 514 062	
25	20	10	271	161 514 003	161 514 013	161 514 033	161 514 063	
32	25	10	481	161 514 004	161 514 014	161 514 034	161 514 064	
40	32	10	759	161 514 005	161 514 015	161 514 035	161 514 065	
50	40	10	1263	161 514 006	161 514 016	161 514 036	161 514 066	
63	50	10	1728	161 514 007	161 514 017	161 514 037	161 514 067	

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/FPM Code	
16	10	10	125	800 047 300	
20	15	10	125	800 047 301	
25	20	10	271	800 047 303	
32	25	10	481	800 047 304	

table continued next page



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/FPM Code
40	32	10	759	800 047 306
50	40	10	1263	800 047 308
63	50	10	1728	800 047 309

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
16	65	65	43	170	25	73	14	12	M6	142	7
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25



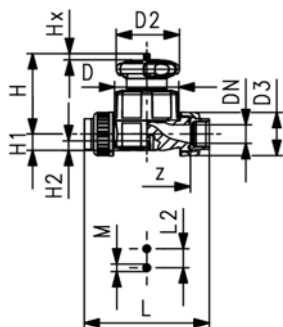
Diaphragm valve type 514 PVC-U With threaded sockets Rp

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
1/2	15	10	125	161 514 402	161 514 412	161 514 432	161 514 462
3/4	20	10	271	161 514 403	161 514 413	161 514 433	161 514 463
1	25	10	481	161 514 404	161 514 414	161 514 434	161 514 464
1 1/4	32	10	759	161 514 405	161 514 415	161 514 435	161 514 465
1 1/2	40	10	1263	161 514 406	161 514 416	161 514 436	161 514 466
2	50	10	1728	161 514 407	161 514 417	161 514 437	161 514 467

Rp [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25



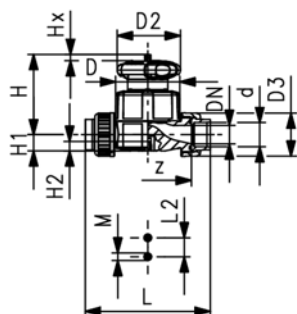
Diaphragm valve type 514 PVC-U With fusion sockets PE80 metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	161 514 212
25	20	10	271	161 514 213
32	25	10	481	161 514 214
40	32	10	759	161 514 215
50	40	10	1263	161 514 216
63	50	10	1728	161 514 217

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	100	7
25	80	65	51	150	25	81	18	12	M6	118	10
32	88	87	58	162	25	107	22	12	M6	126	13
40	101	87	72	184	45	115	26	15	M8	144	15
50	117	135	83	210	45	148	32	15	M8	164	19
63	144	135	100	248	45	166	39	15	M8	194	25



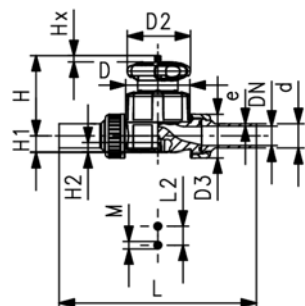
Diaphragm valve type 514 PVC-U With butt and electro fusion ends PE100 SDR11 metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10	125	161 514 312
25	20	10	271	161 514 313
32	25	10	481	161 514 314
40	32	10	759	161 514 315
50	40	10	1263	161 514 316
63	50	10	1728	161 514 317

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	43	196	25	73	14	12	M6	7	1,9
25	80	65	51	221	25	81	18	12	M6	10	2,3
32	88	87	58	234	25	107	22	12	M6	13	2,9
40	101	87	72	260	45	115	26	15	M8	15	3,7
50	117	135	83	284	45	148	32	15	M8	19	4,6
63	144	135	100	321	45	166	39	15	M8	25	5,8



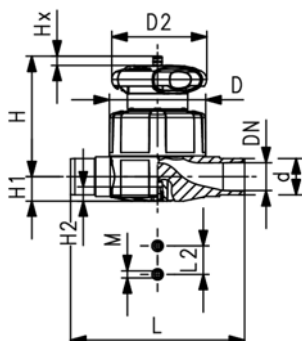
Diaphragm valve type 515 PVC-U With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	161 515 002	161 515 012	161 515 032	161 515 062	
25	20	10	271	161 515 003	161 515 013	161 515 033	161 515 063	
32	25	10	481	161 515 004	161 515 014	161 515 034	161 515 064	
40	32	10	759	161 515 005	161 515 015	161 515 035	161 515 065	
50	40	10	1263	161 515 006	161 515 016	161 515 036	161 515 066	
63	50	10	1728	161 515 007	161 515 017	161 515 037	161 515 067	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	124	25	73	14	12	M6	7	
25	80	65	144	25	81	18	12	M6	10	
32	88	87	154	25	107	22	12	M6	13	
40	101	87	174	45	115	26	15	M8	15	
50	117	135	194	45	148	32	15	M8	19	
63	144	135	224	45	166	39	15	M8	25	



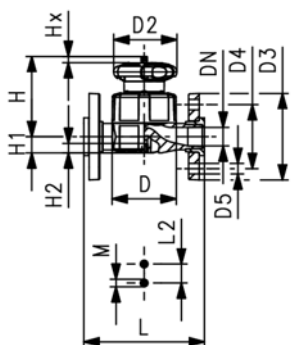
Diaphragm valve type 517 PVC-U With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	161 517 002	161 517 012	161 517 032	161 517 062	
25	20	10	271	161 517 003	161 517 013	161 517 033	161 517 063	
32	25	10	481	161 517 004	161 517 014	161 517 034	161 517 064	
40	32	10	759	161 517 005	161 517 015	161 517 035	161 517 065	
50	40	10	1263	161 517 006	161 517 016	161 517 036	161 517 066	
63	50	10	1728	161 517 007	161 517 017	161 517 037	161 517 067	

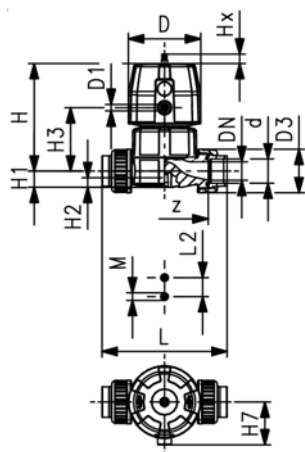
d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	95	65	14	130	25	73	14	12	M6	7	
25	80	65	105	75	14	150	25	81	18	12	M6	10	
32	88	87	115	85	14	160	25	107	22	12	M6	13	
40	101	87	140	100	18	180	45	115	26	15	M8	15	
50	117	135	150	110	18	200	45	148	32	15	M8	19	
63	144	135	165	125	18	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close)

Unions with solvent cement sockets metric



Model:

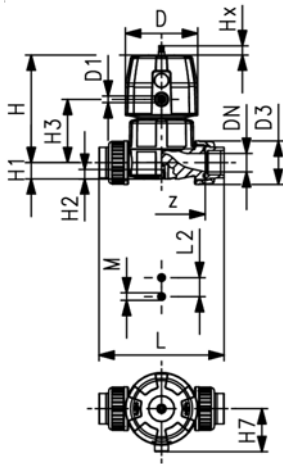
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
16	10	6	125	161 614 011	-
20	15	6	125	161 614 012	800 047 327
25	20	6	271	161 614 013	800 047 328
32	25	6	481	161 614 014	800 047 329
40	32	6	759	161 614 015	800 047 330
50	40	6	960	161 614 016	800 047 331
63	50	6	1181	161 614 017	800 047 332

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
16	68	1/8	170	25	101	14	12	60	43	M6	142	7
20	68	1/8	128	25	101	14	12	60	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	69	M8	140	14
50	120	1/8	222	45	193	32	15	119	69	M8	160	16
63	120	1/8	266	45	205	39	15	132	69	M8	190	16



Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with threaded sockets Rp

Model:

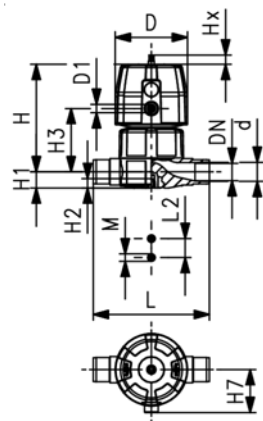
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 412	
3/4	20	6	271	161 614 413	
1	25	6	481	161 614 414	
1 1/4	32	6	759	161 614 415	
1 1/2	40	6	960	161 614 416	
2	50	6	1181	161 614 417	

Rp [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	128	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	152	25	132	18	12	73	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	222	45	193	32	15	119	69	M8	160	16	
2	120	1/8	266	45	205	39	15	132	69	M8	190	16	



Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	161 615 012	
25	20	6	271	161 615 013	
32	25	6	481	161 615 014	
40	32	6	759	161 615 015	
50	40	6	960	161 615 016	
63	50	6	1181	161 615 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	
25	96	1/8	144	25	132	18	12	73	57	M6	10	
32	96	1/8	154	25	143	22	12	84	57	M6	13	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



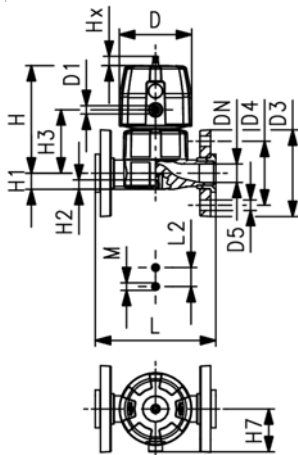
Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	161 617 012	
25	20	6	271	161 617 013	
32	25	6	481	161 617 014	
40	32	6	759	161 617 015	
50	40	6	960	161 617 016	
63	50	6	1181	161 617 017	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

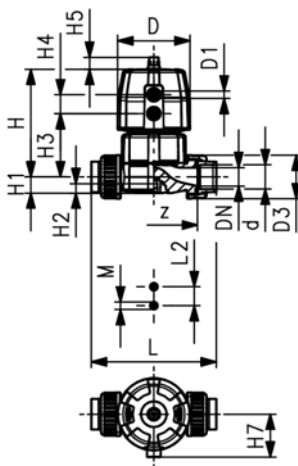
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

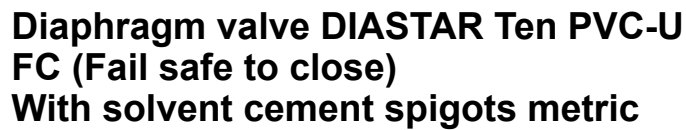
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
16	10	10/10*	125	161 624 011	161 624 061	161 624 031	-	
20	15	10/10*	125	161 624 012	161 624 062	161 624 032	161 624 052	
25	20	10/10*	271	161 624 013	161 624 063	161 624 033	161 624 053	
32	25	10/10*	481	161 624 014	161 624 064	161 624 034	161 624 054	
40	32	10/10*	759	161 624 015	161 624 065	161 624 035	161 624 055	
50	40	10/10*	1263	161 624 016	161 624 066	161 624 036	161 624 056	
63	50	10/6*	1728	161 624 017	161 624 067	161 624 037	161 624 057	

table continued next page



- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

Working Pressure: **one side**

d	D	D1_G	L	L2	H	H1	H2	H3	H4	H5	H7	M	Lift = Hx	
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	
20	68	⅞	124	25	101	14	12	60	24	16	43	M6	7	
25	96	⅞	144	25	132	18	12	73	25	16	57	M6	10	
32	96	⅞	154	25	143	22	12	84	25	16	57	M6	13	
40	120	⅞	174	45	173	26	15	99	26	26	69	M8	15	
50	150	⅞	194	45	214	32	15	119	36	26	88	M8	19	
63	150	⅞	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

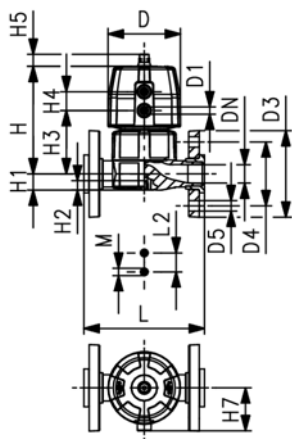
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	161 627 012	161 627 062	161 627 032	161 627 052	
25	20	10/10*	271	161 627 013	161 627 063	161 627 033	161 627 053	
32	25	10/10*	481	161 627 014	161 627 064	161 627 034	161 627 054	
40	32	10/10*	759	161 627 015	161 627 065	161 627 035	161 627 055	
50	40	10/10*	1263	161 627 016	161 627 066	161 627 036	161 627 056	
63	50	10/6*	1728	161 627 017	161 627 067	161 627 037	161 627 057	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6	
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6	
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6	
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8	
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8	
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8	

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

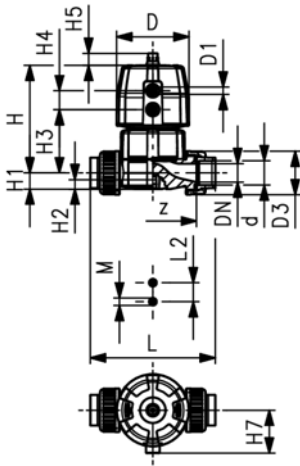
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

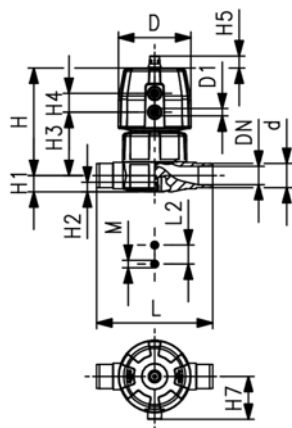
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code											
16	10	10/10*	125	161 644 011	161 644 031											
20	15	10/10*	125	161 644 012	161 644 032											
25	20	10/10*	271	161 644 013	161 644 033											
32	25	10/10*	481	161 644 014	161 644 034											
40	32	10/10*	759	161 644 015	161 644 035											
50	40	10/10*	1263	161 644 016	161 644 036											
63	50	10/10*	1728	161 644 017	161 644 037											

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]		
16	68	1/8	170	25	101	14	12	60	24	16	43	M6	142	7		
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7		
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10		
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13		
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15		
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19		
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23		



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

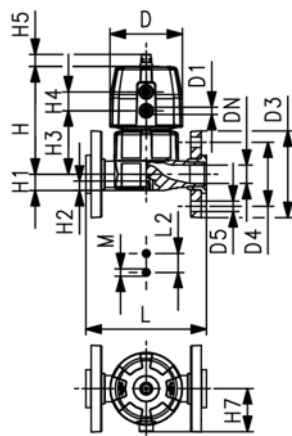
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	161 645 012	161 645 032	
25	20	10/10*	271	161 645 013	161 645 033	
32	25	10/10*	481	161 645 014	161 645 034	
40	32	10/10*	759	161 645 015	161 645 035	
50	40	10/10*	1263	161 645 016	161 645 036	
63	50	10/10*	1728	161 645 017	161 645 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

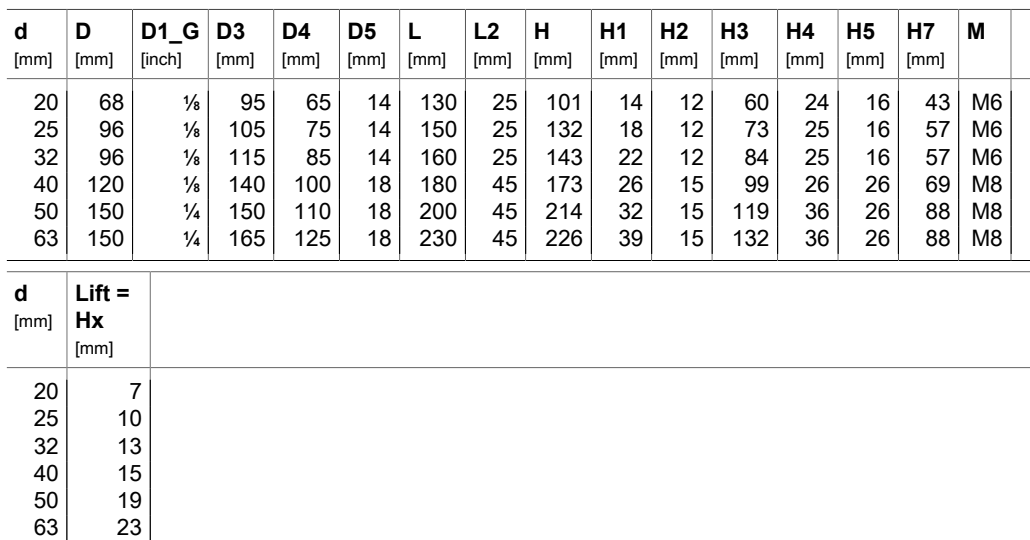
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	161 647 012	161 647 032	
25	20	10/10*	271	161 647 013	161 647 033	
32	25	10/10*	481	161 647 014	161 647 034	
40	32	10/10*	759	161 647 015	161 647 035	
50	40	10/10*	1263	161 647 016	161 647 036	
63	50	10/10*	1728	161 647 017	161 647 037	

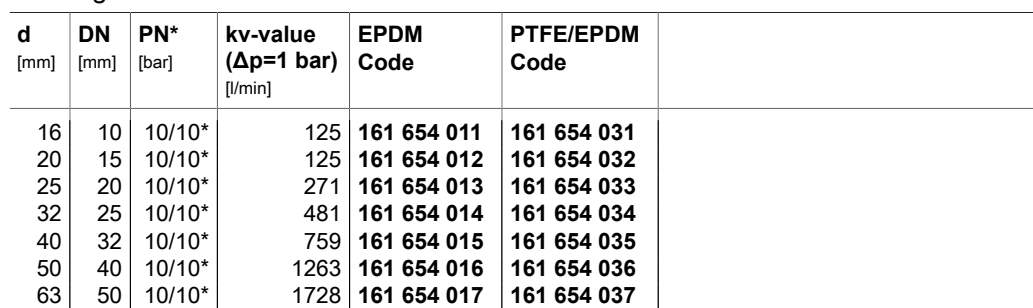
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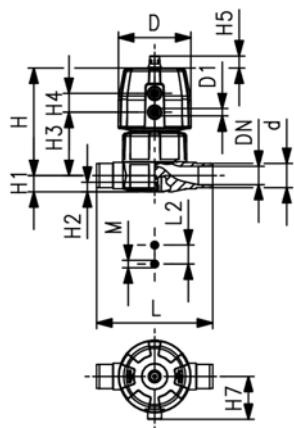
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

Working Pressure: **one side**



d	D	D1_G	L	L2	H	H1	H2	H3	H4	H5	H7	M	z	Lift = Hx	
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	
16	68	⅝	170	25	101	14	12	60	24	16	43	M6	142	7	
20	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7	
25	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
32	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13	
40	120	⅞	192	45	173	26	15	99	26	26	69	M8	140	15	
50	150	⅞	222	45	214	32	15	119	36	26	88	M8	160	19	
63	150	⅞	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

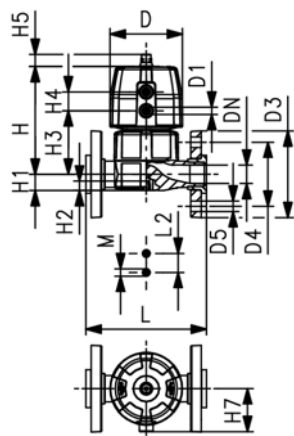
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	161 655 012	161 655 032	
25	20	10/10*	271	161 655 013	161 655 033	
32	25	10/10*	481	161 655 014	161 655 034	
40	32	10/10*	759	161 655 015	161 655 035	
50	40	10/10*	1263	161 655 016	161 655 036	
63	50	10/10*	1728	161 655 017	161 655 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With backing flanges PVC-U metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

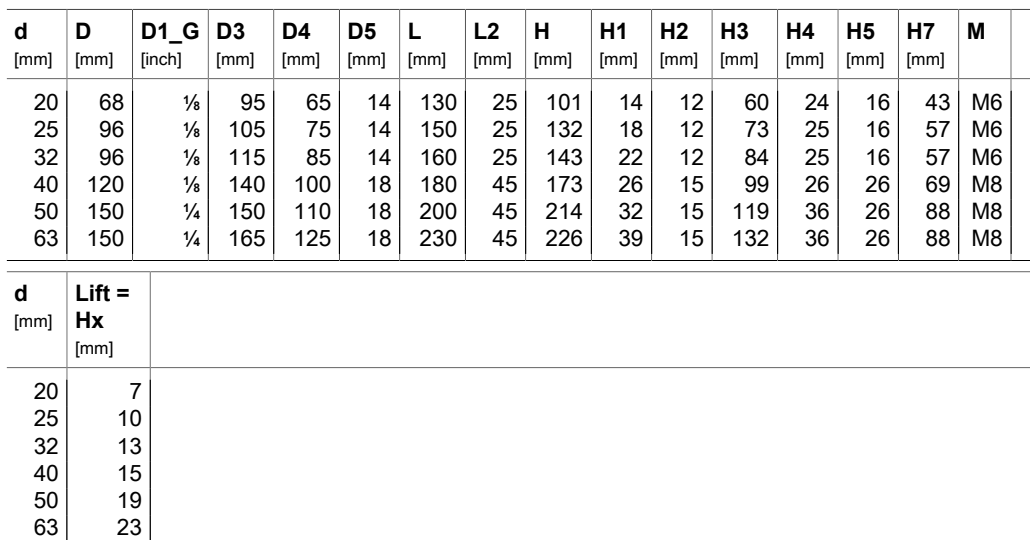
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	161 657 012	161 657 032	
25	20	10/10*	271	161 657 013	161 657 033	
32	25	10/10*	481	161 657 014	161 657 034	
40	32	10/10*	759	161 657 015	161 657 035	
50	40	10/10*	1263	161 657 016	161 657 036	
63	50	10/10*	1728	161 657 017	161 657 037	

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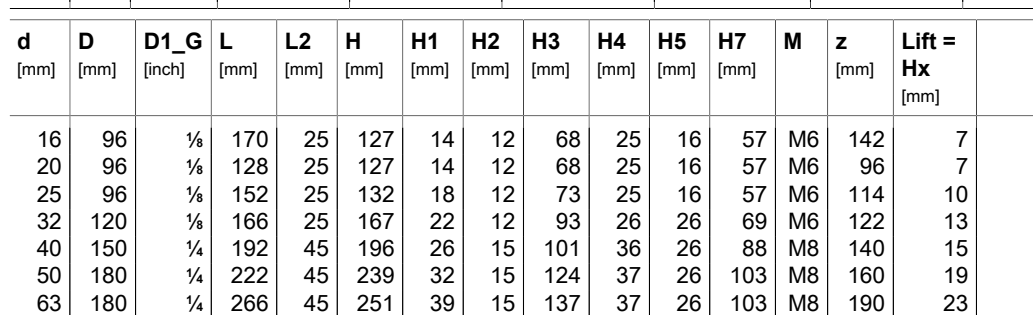


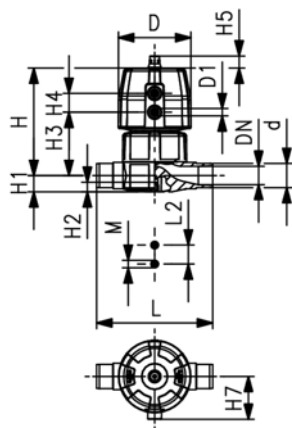
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
16	10	10/10*	125	161 684 011	161 684 061	161 684 031	-	
20	15	10/10*	125	161 684 012	161 684 062	161 684 032	161 684 052	
25	20	10/10*	271	161 684 013	161 684 063	161 684 033	161 684 053	
32	25	10/10*	481	161 684 014	161 684 064	161 684 034	161 684 054	
40	32	10/10*	759	161 684 015	161 684 065	161 684 035	161 684 055	
50	40	10/10*	1263	161 684 016	161 684 066	161 684 036	161 684 056	
63	50	10/10*	1728	161 684 017	161 684 067	161 684 037	161 684 057	





Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**

* PN: PTFE

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	161 685 012	161 685 032
25	20	10/10*	271	161 685 013	161 685 033
32	25	10/10*	481	161 685 014	161 685 034
40	32	10/10*	759	161 685 015	161 685 035
50	40	10/10*	1263	161 685 016	161 685 036
63	50	10/10*	1728	161 685 017	161 685 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) With backing flanges PVC-U metric/BS

Model:

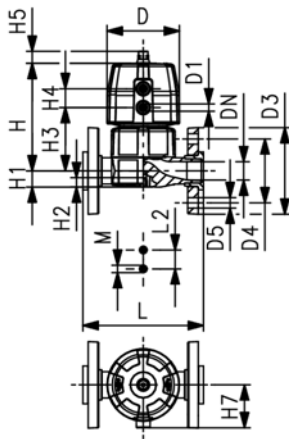
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



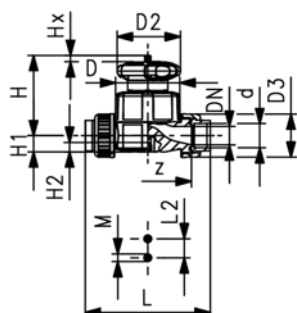
d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	161 687 012	161 687 062	161 687 032	161 687 052
25	20	10/10*	271	161 687 013	161 687 063	161 687 033	161 687 053
32	25	10/10*	481	161 687 014	161 687 064	161 687 034	161 687 054
40	32	10/10*	759	161 687 015	161 687 065	161 687 035	161 687 055
50	40	10/10*	1263	161 687 016	161 687 066	161 687 036	161 687 056
63	50	10/10*	1728	161 687 017	161 687 067	161 687 037	161 687 057

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U SF With solvent cement sockets metric



Model:

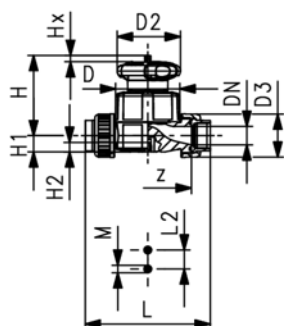
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
16	10	10	125	161 514 021	161 514 071
20	15	10	125	161 514 022	161 514 072
25	20	10	271	161 514 023	161 514 073
32	25	10	481	161 514 024	161 514 074
40	32	10	759	161 514 025	161 514 075
50	40	10	1263	161 514 026	161 514 076
63	50	10	1728	161 514 027	161 514 077

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
16	65	65	43	124	25	73	14	12	M6	96	7
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U SF With threaded sockets Rp

Model:

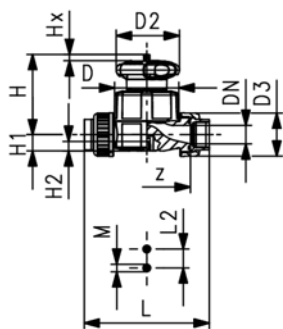
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10	125	161 514 422	161 514 472
¾	20	10	271	161 514 423	161 514 473
1	25	10	481	161 514 424	161 514 474
1 ¼	32	10	759	161 514 425	161 514 475
1 ½	40	10	1263	161 514 426	161 514 476
2	50	10	1728	161 514 427	161 514 477

table continued next page



Rp [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	65	65	43	128	25	73	14	12	M6	96	7	
3/4	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 1/4	101	87	72	192	45	115	26	15	M8	140	15	
1 1/2	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



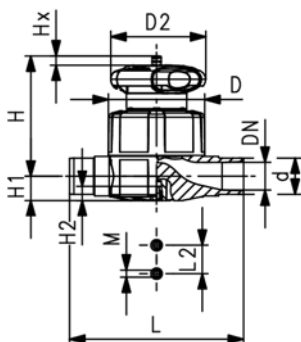
Diaphragm valve type 515 PVC-U SF With solvent cement spigots metric

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	161 515 022	161 515 072	
25	20	10	271	161 515 023	161 515 073	
32	25	10	481	161 515 024	161 515 074	
40	32	10	759	161 515 025	161 515 075	
50	40	10	1263	161 515 026	161 515 076	
63	50	10	1728	161 515 027	161 515 077	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	124	25	73	14	12	M6	7	
25	80	65	144	25	81	18	12	M6	10	
32	88	87	154	25	107	22	12	M6	13	
40	101	87	174	45	115	26	15	M8	15	
50	117	135	194	45	148	32	15	M8	19	
63	144	135	224	45	166	39	15	M8	25	



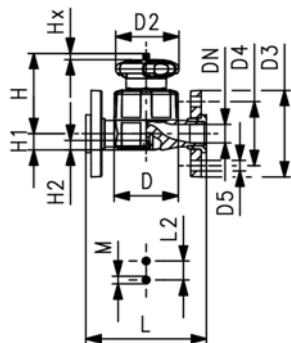
Diaphragm valve type 517 PVC-U SF With backing flanges PVC-U metric

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

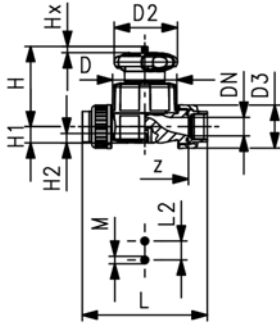


d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	161 517 022	161 517 072
25	20	10	271	161 517 023	161 517 073
32	25	10	481	161 517 024	161 517 074
40	32	10	759	161 517 025	161 517 075
50	40	10	1263	161 517 026	161 517 076
63	50	10	1728	161 517 027	161 517 077

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

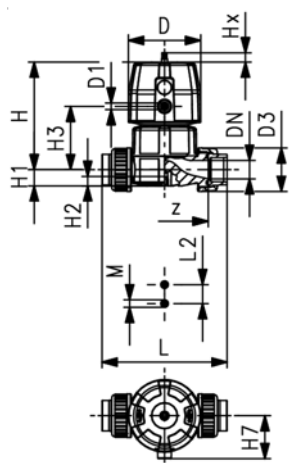
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
1/2	15	10	125	161 514 502	161 514 512	161 514 532	161 514 562	
3/4	20	10	271	161 514 503	161 514 513	161 514 533	161 514 563	
1	25	10	481	161 514 504	161 514 514	161 514 534	161 514 564	
1 1/4	32	10	759	161 514 505	161 514 515	161 514 535	161 514 565	
1 1/2	40	10	1263	161 514 506	161 514 516	161 514 536	161 514 566	
2	50	10	1728	161 514 507	161 514 517	161 514 537	161 514 567	

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	65	65	43	128	25	73	14	12	M6	96	7	
3/4	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 1/4	101	87	72	192	45	115	26	15	M8	140	15	
1 1/2	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- For easy installation and removal
- Short overall length
- Rotating air connection at 90° intervals

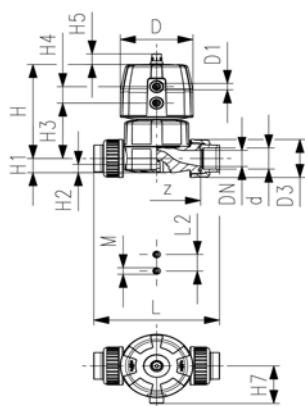
Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 512
3/4	20	6	271	161 614 513
1	25	6	481	161 614 514
1 1/4	32	6	759	161 614 515
1 1/2	40	6	960	161 614 516
2	50	6	1181	161 614 517

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/4	128	25	101	14	12	60	43	M6	96	7
3/4	96	1/4	152	25	132	18	12	73	57	M6	114	10
1	96	1/4	166	25	143	22	12	84	57	M6	122	13
1 1/4	120	1/4	192	45	173	26	15	99	69	M8	140	14
1 1/2	120	1/4	222	45	193	32	15	119	69	M8	160	16
2	120	1/4	266	45	205	39	15	132	69	M8	190	16

Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

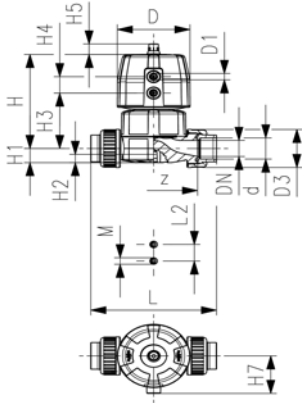
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 512	161 624 532
3/4	20	10/10*	271	161 624 513	161 624 533
1	25	10/10*	481	161 624 514	161 624 534
1 1/4	32	10/10*	759	161 624 515	161 624 535
1 1/2	40	10/10*	1263	161 624 516	161 624 536
2	50	10/6*	1728	161 624 517	161 624 537

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Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets BS

Model:

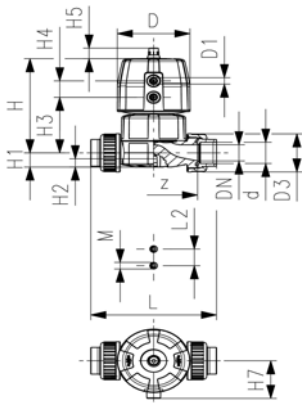
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 644 512	161 644 532
¾	20	10/10*	271	161 644 513	161 644 533
1	25	10/10*	481	161 644 514	161 644 534
1 ¼	32	10/10*	759	161 644 515	161 644 535
1 ½	40	10/10*	1263	161 644 516	161 644 536
2	50	10/10*	1728	161 644 517	161 644 537

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets BS

Model:

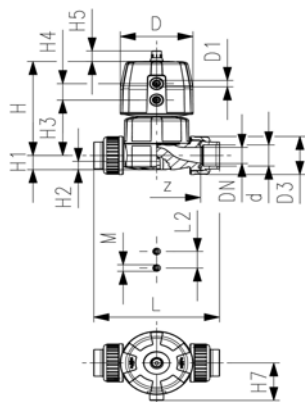
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 512	161 654 532
3/4	20	10/10*	271	161 654 513	161 654 533
1	25	10/10*	481	161 654 514	161 654 534
1 1/4	32	10/10*	759	161 654 515	161 654 535
1 1/2	40	10/10*	1263	161 654 516	161 654 536
2	50	10/10*	1728	161 654 517	161 654 537

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) Unions with solvent cement sockets BS

Model:

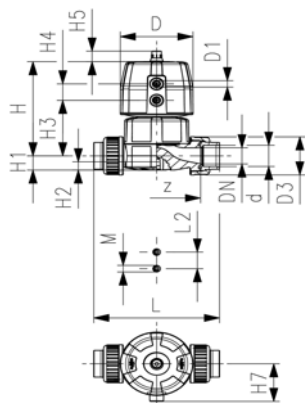
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

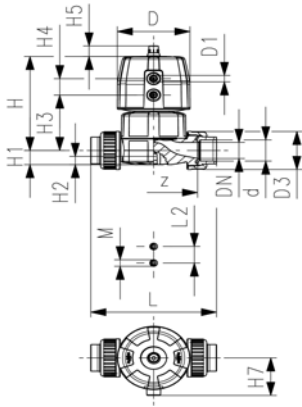
* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 684 512	161 684 532
3/4	20	10/10*	271	161 684 513	161 684 533
1	25	10/10*	481	161 684 514	161 684 534
1 1/4	32	10/10*	759	161 684 515	161 684 535
1 1/2	40	10/10*	1263	161 684 516	161 684 536
2	50	10/10*	1728	161 684 517	161 684 537

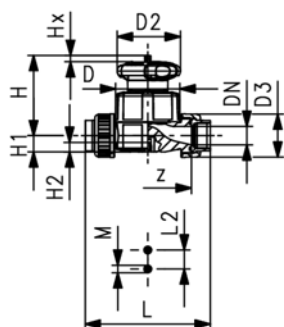
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Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	96	⅝	128	25	127	14	12	68	25	16	57	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
1	120	⅝	166	25	167	22	12	93	26	26	69	M6	122	13	
1 ¼	150	¾	192	45	196	26	15	101	36	26	88	M8	140	15	
1 ½	180	¾	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	¾	266	45	251	39	15	137	37	26	103	M8	190	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets ASTM



Model:

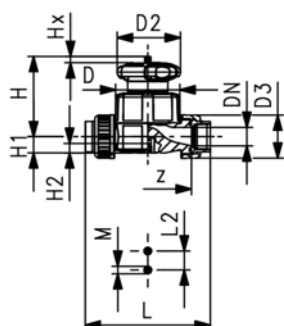
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 612	161 514 632
3/4	20	10	271	161 514 613	161 514 633
1	25	10	481	161 514 614	161 514 634
1 1/4	32	10	759	161 514 615	161 514 635
1 1/2	40	10	1263	161 514 616	161 514 636
2	50	10	1728	161 514 617	161 514 637

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U With threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

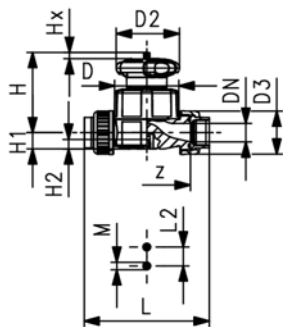
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

NPT [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 712	161 514 732
3/4	20	10	271	161 514 713	161 514 733
1	25	10	481	161 514 714	161 514 734
1 1/4	32	10	759	161 514 715	161 514 735
1 1/2	40	10	1263	161 514 716	161 514 736
2	50	10	1728	161 514 717	161 514 737

NPT [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13

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NPT [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



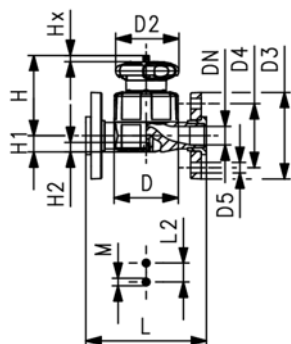
Diaphragm valve type 517 PVC-U With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 612	161 517 632	
¾	20	10	271	161 517 613	161 517 633	
1	25	10	481	161 517 614	161 517 634	
1 ¼	32	10	759	161 517 615	161 517 635	
1 ½	40	10	1263	161 517 616	161 517 636	
2	50	10	1728	161 517 617	161 517 637	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U

FC (Fail safe to close)

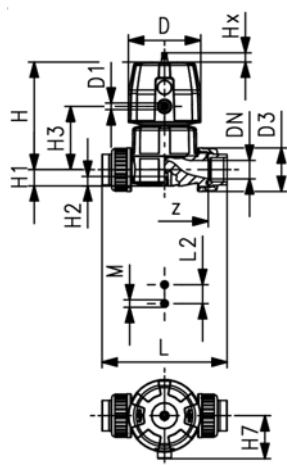
Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 612
3/4	20	6	271	161 614 613
1	25	6	481	161 614 614
1 1/4	32	6	759	161 614 615
1 1/2	40	6	960	161 614 616
2	50	6	1181	161 614 617

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/4	141	25	101	14	12	60	43	M6	96	7
3/4	96	1/4	165	25	132	18	12	73	57	M6	114	10
1	96	1/4	179	25	143	22	12	84	57	M6	122	13
1 1/4	120	1/4	204	45	173	26	15	99	69	M8	140	14
1 1/2	120	1/4	230	45	193	32	15	119	69	M8	160	16
2	120	1/4	268	45	205	39	15	132	69	M8	190	16

Diaphragm valve DIASTAR Six PVC-U

FC (Fail safe to close)

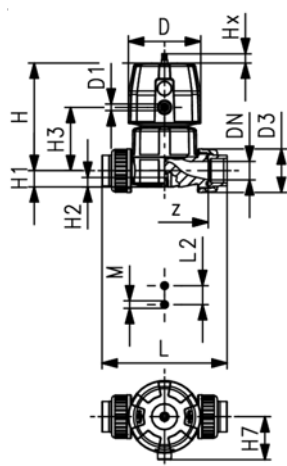
Unions with threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

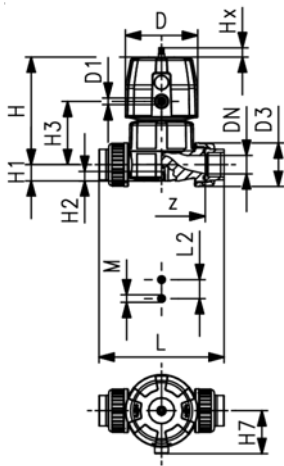
Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration



NPT [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	6	125	161 614 712
3/4	20	6	271	161 614 713
1	25	6	481	161 614 714
1 1/4	32	6	759	161 614 715
1 1/2	40	6	960	161 614 716
2	50	6	1181	161 614 717

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	69	M8	140	14	
1 ½	120	⅝	222	45	193	32	15	119	69	M8	160	16	
2	120	⅝	266	45	205	39	15	132	69	M8	190	16	



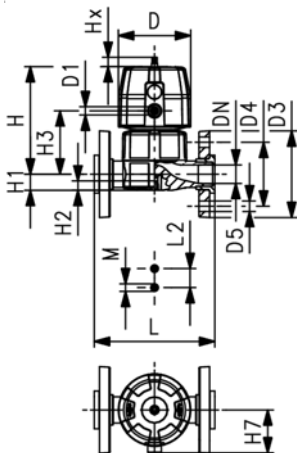
Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
½	15	6	125	161 617 612	
¾	20	6	271	161 617 613	
1	25	6	481	161 617 614	
1 ¼	32	6	759	161 617 615	
1 ½	40	6	960	161 617 616	
2	50	6	1181	161 617 617	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
½	68	⅝	95	60	16	130	25	101	14	12	60	43	M6	7	
¾	96	⅝	105	70	16	150	25	132	18	12	73	57	M6	10	
1	96	⅝	115	79	16	160	25	143	22	12	84	57	M6	13	
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	69	M8	14	
1 ½	120	⅝	150	98	16	200	45	193	32	15	119	69	M8	16	
2	120	⅝	165	121	19	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

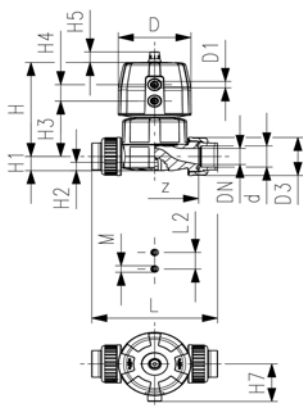
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 612	161 624 632
3/4	20	10/10*	271	161 624 613	161 624 633
1	25	10/10*	481	161 624 614	161 624 634
1 1/4	32	10/10*	759	161 624 615	161 624 635
1 1/2	40	10/10*	1263	161 624 616	161 624 636
2	50	10/6*	1728	161 624 617	161 624 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	3/8	141	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/2	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/2	179	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	3/4	204	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/2	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/2	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with threaded sockets NPT

Model:

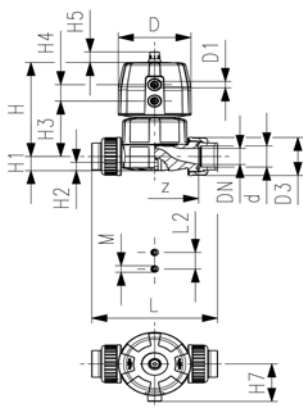
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

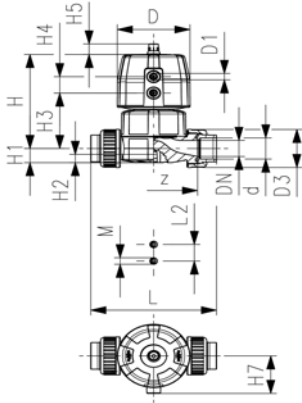
* PN: PTFE

Working Pressure: **one side**



NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 712	161 624 732
3/4	20	10/10*	271	161 624 713	161 624 733
1	25	10/10*	481	161 624 714	161 624 734
1 1/4	32	10/10*	759	161 624 715	161 624 735
1 1/2	40	10/10*	1263	161 624 716	161 624 736
2	50	10/6*	1728	161 624 717	161 624 737

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15	
1 ½	120	¾	222	45	214	32	15	119	36	26	88	M8	160	19	
2	120	¾	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

Model:

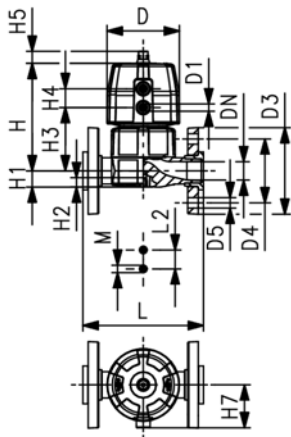
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10/10*	125	161 627 612	161 627 632	
¾	20	10/10*	271	161 627 613	161 627 633	
1	25	10/10*	481	161 627 614	161 627 634	
1 ¼	32	10/10*	759	161 627 615	161 627 635	
1 ½	40	10/10*	1263	161 627 616	161 627 636	
2	50	10/6*	1728	161 627 617	161 627 637	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets ASTM

Model:

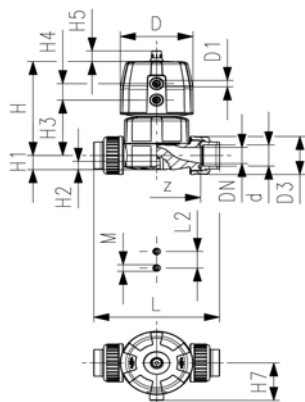
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 612	161 644 632
3/4	20	10/10*	271	161 644 613	161 644 633
1	25	10/10*	481	161 644 614	161 644 634
1 1/4	32	10/10*	759	161 644 615	161 644 635
1 1/2	40	10/10*	1263	161 644 616	161 644 636
2	50	10/10*	1728	161 644 617	161 644 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	141	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	179	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	204	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with threaded sockets NPT

Model:

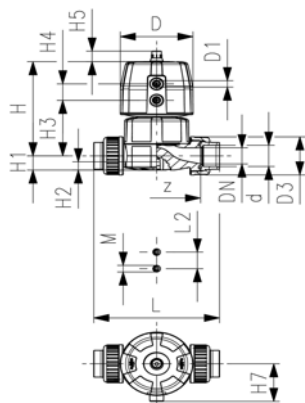
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

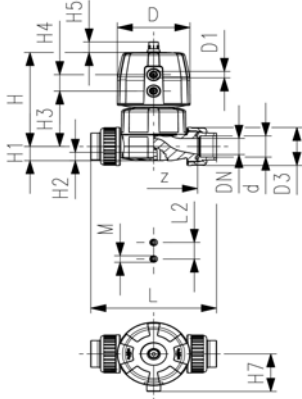
* PN: PTFE

Working Pressure: **one side**



NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 712	161 644 732
3/4	20	10/10*	271	161 644 713	161 644 733
1	25	10/10*	481	161 644 714	161 644 734
1 1/4	32	10/10*	759	161 644 715	161 644 735
1 1/2	40	10/10*	1263	161 644 716	161 644 736
2	50	10/10*	1728	161 644 717	161 644 737

table continued next page



NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	128	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With backing flanges PVC-U Inch ANSI

Model:

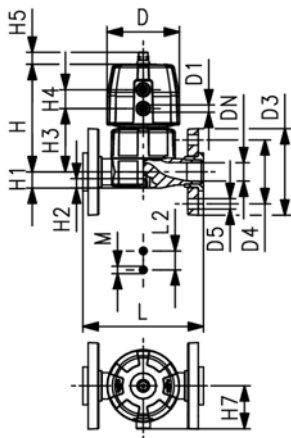
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 647 612	161 647 632
¾	20	10/10*	271	161 647 613	161 647 633
1	25	10/10*	481	161 647 614	161 647 634
1 ¼	32	10/10*	759	161 647 615	161 647 635
1 ½	40	10/10*	1263	161 647 616	161 647 636
2	50	10/10*	1728	161 647 617	161 647 637

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets ASTM

Model:

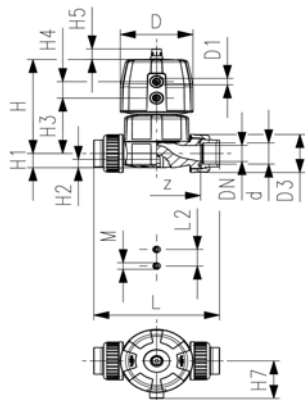
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 612	161 654 632
3/4	20	10/10*	271	161 654 613	161 654 633
1	25	10/10*	481	161 654 614	161 654 634
1 1/4	32	10/10*	759	161 654 615	161 654 635
1 1/2	40	10/10*	1263	161 654 616	161 654 636
2	50	10/10*	1728	161 654 617	161 654 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	141	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	179	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	204	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with threaded sockets NPT

Model:

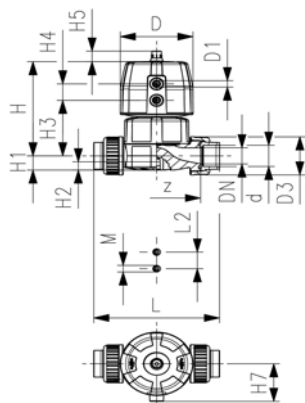
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

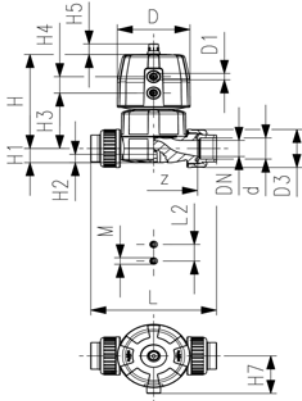
* PN: PTFE

Working Pressure: **one side**



NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 712	161 654 732
3/4	20	10/10*	271	161 654 713	161 654 733
1	25	10/10*	481	161 654 714	161 654 734
1 1/4	32	10/10*	759	161 654 715	161 654 735
1 1/2	40	10/10*	1263	161 654 716	161 654 736
2	50	10/10*	1728	161 654 717	161 654 737

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅝	128	25	101	14	12	60	45	16	43	M6	96	7	
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	⅝	166	25	143	22	12	84	25	16	57	M6	122	13	
1 ¼	120	⅝	192	45	173	26	15	99	26	26	69	M8	140	15	
1 ½	150	¾	222	45	214	32	15	119	36	26	69	M8	160	19	
2	150	¾	266	45	226	39	15	132	36	26	69	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With backing flanges PVC-U Inch ANSI

Model:

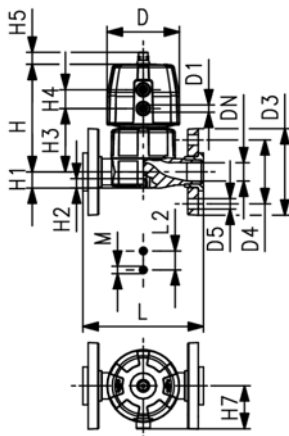
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

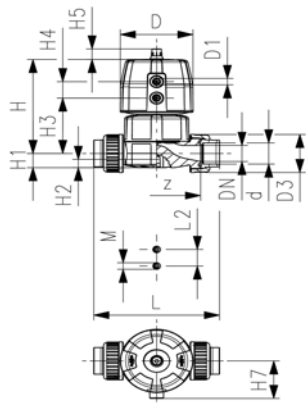
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10/10*	125	161 657 612	161 657 632	
¾	20	10/10*	271	161 657 613	161 657 633	
1	25	10/10*	481	161 657 614	161 657 634	
1 ¼	32	10/10*	759	161 657 615	161 657 635	
1 ½	40	10/10*	1263	161 657 616	161 657 636	
2	50	10/10*	1728	161 657 617	161 657 637	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

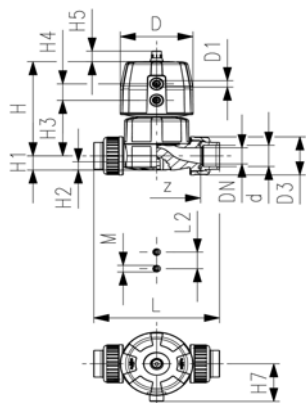
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 684 612	161 684 632	
3/4	20	10/10*	271	161 684 613	161 684 633	
1	25	10/10*	481	161 684 614	161 684 634	
1 1/4	32	10/10*	759	161 684 615	161 684 635	
1 1/2	40	10/10*	1263	161 684 616	161 684 636	
2	50	10/10*	1728	161 684 617	161 684 637	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	3/8	141	25	127	14	12	68	25	16	57	M6	96	7	
3/4	96	3/8	165	25	132	18	12	73	25	16	57	M6	114	10	
1	120	1/2	179	25	167	22	12	93	26	26	69	M6	122	13	
1 1/4	150	1/2	204	45	196	26	15	101	36	26	88	M8	140	15	
1 1/2	180	1/2	230	45	239	32	15	124	37	26	103	M8	160	19	
2	180	1/2	267	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) Unions with threaded sockets NPT

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

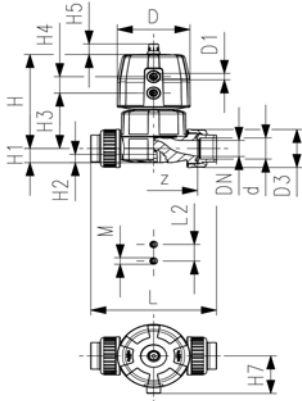
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**

NPT [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 684 712	161 684 732	
3/4	20	10/10*	271	161 684 713	161 684 733	
1	25	10/10*	481	161 684 714	161 684 734	
1 1/4	32	10/10*	759	161 684 715	161 684 735	
1 1/2	40	10/10*	1263	161 684 716	161 684 736	
2	50	10/10*	1728	161 684 717	161 684 737	

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NPT [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	96	⅝	128	25	127	14	12	68	25	16	57	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	⅝	166	25	167	22	12	93	26	26	69	M6	122	13
1 ¼	150	¾	192	45	196	26	15	101	36	26	88	M8	140	15
1 ½	180	¾	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	¾	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) With backing flanges PVC-U Inch ANSI

Model:

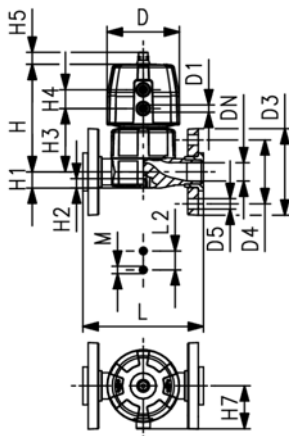
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



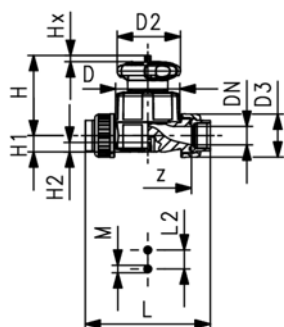
Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	161 687 612	161 687 632
¾	20	10/10*	271	161 687 613	161 687 633
1	25	10/10*	481	161 687 614	161 687 634
1 ¼	32	10/10*	759	161 687 615	161 687 635
1 ½	40	10/10*	1263	161 687 616	161 687 636
2	50	10/10*	1728	161 687 617	161 687 637

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	96	⅝	95	60	16	130	25	127	14	12	68	25	16	57	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	⅝	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 ¼	150	¾	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¾	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	¾	165	121	19	230	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U SF With solvent cement sockets BS



Model:

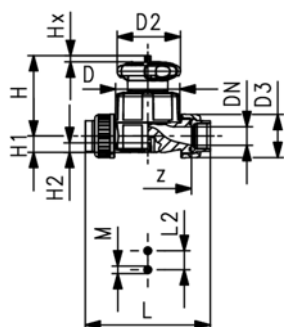
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 522	161 514 572
3/4	20	10	271	161 514 523	161 514 573
1	25	10	481	161 514 524	161 514 574
1 1/4	32	10	759	161 514 525	161 514 575
1 1/2	40	10	1263	161 514 526	161 514 576
2	50	10	1728	161 514 527	161 514 577

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U SF With solvent cement sockets ASTM

Model:

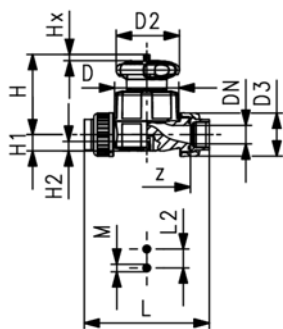
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 622	161 514 672
3/4	20	10	271	161 514 623	161 514 673
1	25	10	481	161 514 624	161 514 674
1 1/4	32	10	759	161 514 625	161 514 675
1 1/2	40	10	1263	161 514 626	161 514 676
2	50	10	1728	161 514 627	161 514 677

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Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
½	65	65	43	136	25	73	14	12	M6	96	7	
¾	80	65	51	160	25	81	18	12	M6	114	10	
1	88	87	58	176	25	107	22	12	M6	122	13	
1 ¼	101	87	72	198	45	115	26	15	M8	140	15	
1 ½	117	135	83	232	45	148	32	15	M8	160	19	
2	144	135	100	268	45	166	39	15	M8	190	25	



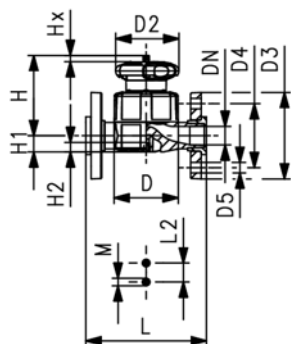
Diaphragm valve type 517 PVC-U SF With backing flanges PVC-U Inch ANSI

Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

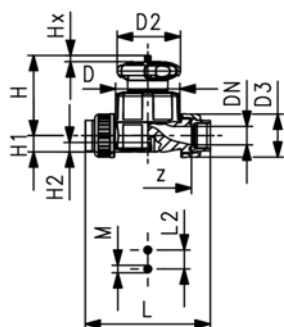


Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 622	161 517 672	
¾	20	10	271	161 517 623	161 517 673	
1	25	10	481	161 517 624	161 517 674	
1 ¼	32	10	759	161 517 625	161 517 675	
1 ½	40	10	1263	161 517 626	161 517 676	
2	50	10	1728	161 517 627	161 517 677	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U With solvent cement sockets JIS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

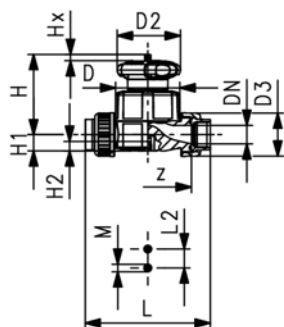
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 812	161 514 832
3/4	20	10	271	161 514 813	161 514 833
1	25	10	481	161 514 814	161 514 834
1 1/4	32	10	759	161 514 815	161 514 835
1 1/2	40	10	1263	161 514 816	161 514 836
2	50	10	1728	161 514 817	161 514 837

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 514 PVC-U With threaded sockets Rc



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

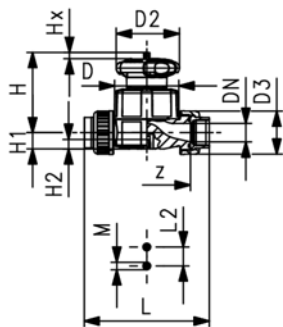
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 912	161 514 932
3/4	20	10	271	161 514 913	161 514 933
1	25	10	481	161 514 914	161 514 934
1 1/4	32	10	759	161 514 915	161 514 935
1 1/2	40	10	1263	161 514 916	161 514 936
2	50	10	1728	161 514 917	161 514 937

Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13

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Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



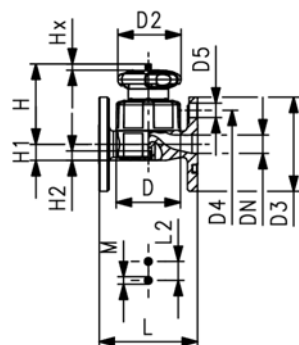
Diaphragm valve type 517 PVC-U With fixed flanges PVC-U JIS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



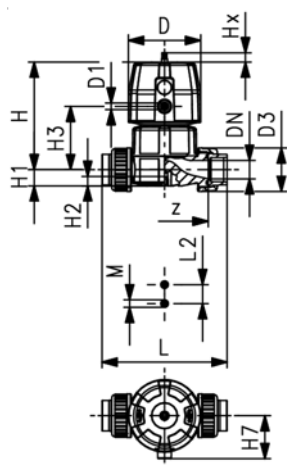
Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 912	161 517 932	
¾	20	10	271	161 517 913	161 517 933	
1	25	10	481	161 517 914	161 517 934	
1 ¼	32	10	759	161 517 915	161 517 935	
1 ½	40	10	1263	161 517 916	161 517 936	
2	50	10	1728	161 517 917	161 517 937	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	70	15	110	25	73	14	12	M6	7	
¾	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 ¼	101	87	135	100	19	180	45	115	26	15	M8	15	
1 ½	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with solvent cement sockets JIS



Model:

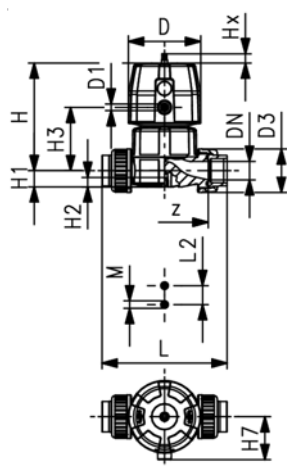
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 812	
3/4	20	6	271	161 614 813	
1	25	6	481	161 614 814	
1 1/4	32	6	759	161 614 815	
1 1/2	40	6	960	161 614 816	
2	50	6	1181	161 614 817	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/4	152	25	132	18	12	73	57	M6	120	10	
3/4	96	1/4	152	25	132	18	12	73	57	M6	114	10	
1	96	1/4	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/4	192	45	173	26	15	99	69	M6	140	14	
1 1/2	120	1/4	222	45	193	32	15	119	69	M6	160	16	
2	120	1/4	266	45	205	39	15	132	69	M6	190	16	



Diaphragm valve DIASTAR Six PVC-U FC (Fail safe to close) Unions with threaded sockets Rc

Model:

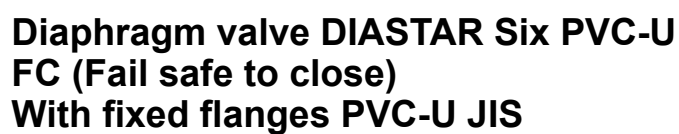
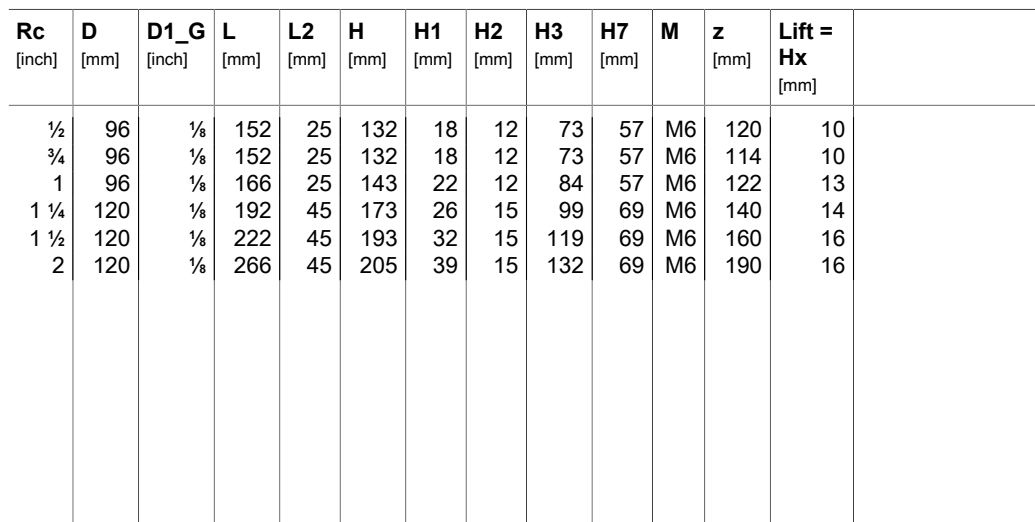
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- PN16 available as a configuration

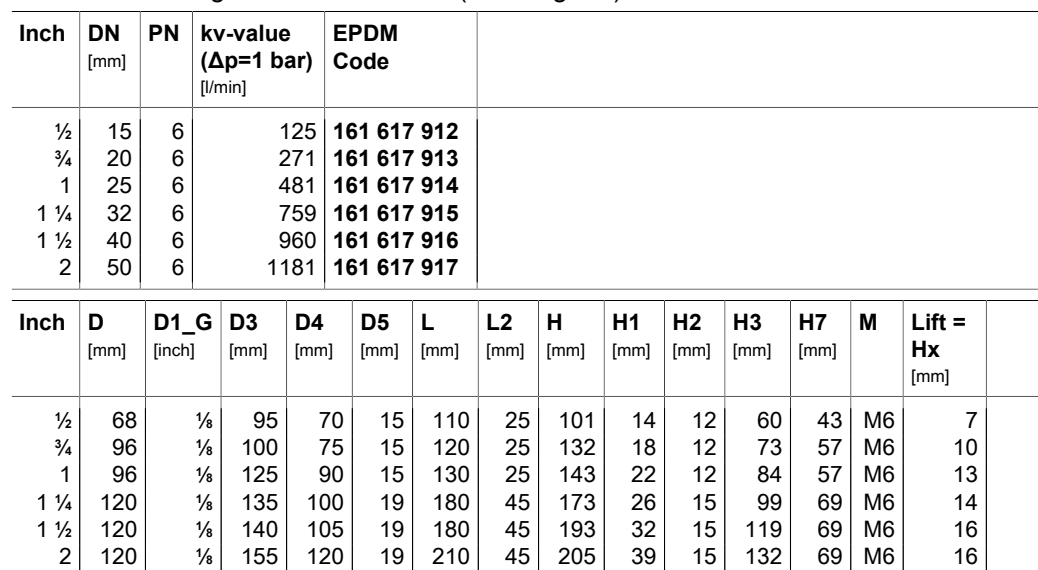
Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	161 614 912	
3/4	20	6	271	161 614 913	
1	25	6	481	161 614 914	
1 1/4	32	6	759	161 614 915	
1 1/2	40	6	960	161 614 916	
2	50	6	1181	161 614 917	

table continued next page



- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

- Individual configuration of the valve (see diagram)





Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with solvent cement sockets JIS

Model:

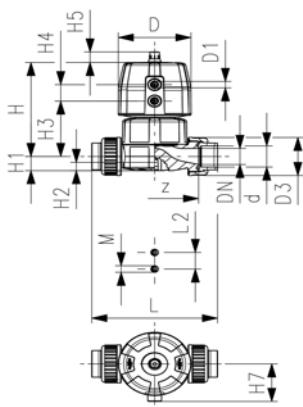
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 812	161 624 832
3/4	20	10/10*	271	161 624 813	161 624 833
1	25	10/10*	481	161 624 814	161 624 834
1 1/4	32	10/10*	759	161 624 815	161 624 835
1 1/2	40	10/10*	1263	161 624 816	161 624 836
2	50	10/6*	1728	161 624 817	161 624 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	144	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) Unions with threaded sockets Rc

Model:

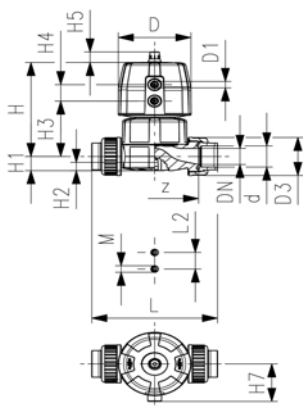
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

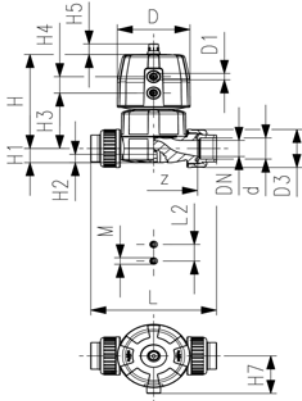
* PN: PTFE

Working Pressure: **one side**



Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 624 912	161 624 932
3/4	20	10/10*	271	161 624 913	161 624 933
1	25	10/10*	481	161 624 914	161 624 934
1 1/4	32	10/10*	759	161 624 915	161 624 935
1 1/2	40	10/10*	1263	161 624 916	161 624 936
2	50	10/6*	1728	161 624 917	161 624 937

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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10	
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15	
1 1/2	120	1/4	222	45	214	32	15	119	36	26	88	M8	160	19	
2	120	1/4	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U FC (Fail safe to close) With fixed flanges PVC-U JIS

Model:

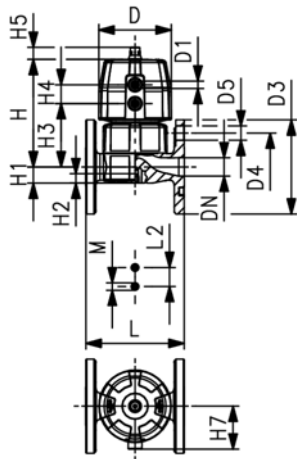
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 627 912	161 627 932	
3/4	20	10/10*	271	161 627 913	161 627 933	
1	25	10/10*	481	161 627 914	161 627 934	
1 1/4	32	10/10*	759	161 627 915	161 627 935	
1 1/2	40	10/10*	1263	161 627 916	161 627 936	
2	50	10/6*	1728	161 627 917	161 627 937	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with solvent cement sockets JIS

Model:

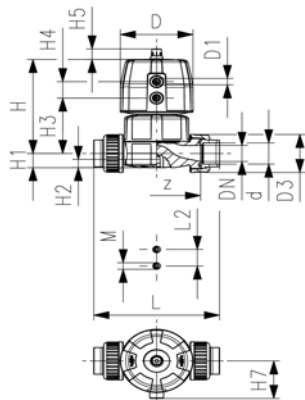
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 812	161 644 832
3/4	20	10/10*	271	161 644 813	161 644 833
1	25	10/10*	481	161 644 814	161 644 834
1 1/4	32	10/10*	759	161 644 815	161 644 835
1 1/2	40	10/10*	1263	161 644 816	161 644 836
2	50	10/10*	1728	161 644 817	161 644 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) Unions with threaded sockets Rc

Model:

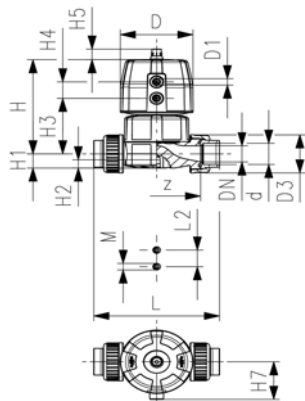
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

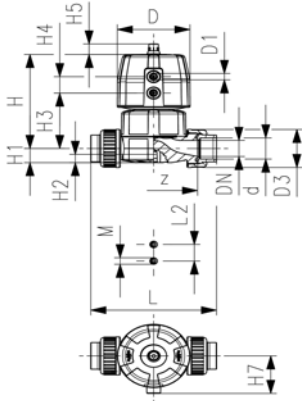
* PN: PTFE

Working Pressure: **one side**



Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 644 912	161 644 932
3/4	20	10/10*	271	161 644 913	161 644 933
1	25	10/10*	481	161 644 914	161 644 934
1 1/4	32	10/10*	759	161 644 915	161 644 935
1 1/2	40	10/10*	1263	161 644 916	161 644 936
2	50	10/10*	1728	161 644 917	161 644 937

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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10	
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15	
1 1/2	150	1/4	222	45	214	32	15	119	36	26	69	M8	160	19	
2	150	1/4	266	45	226	39	15	132	36	26	69	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U FO (Fail safe to open) With fixed flanges PVC-U JIS

Model:

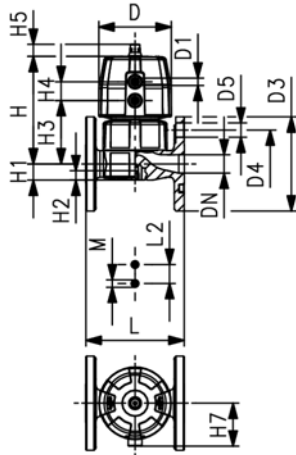
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 647 912	161 647 932	
3/4	20	10/10*	271	161 647 913	161 647 933	
1	25	10/10*	481	161 647 914	161 647 934	
1 1/4	32	10/10*	759	161 647 915	161 647 935	
1 1/2	40	10/10*	1263	161 647 916	161 647 936	
2	50	10/10*	1728	161 647 917	161 647 937	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with solvent cement sockets JIS

Model:

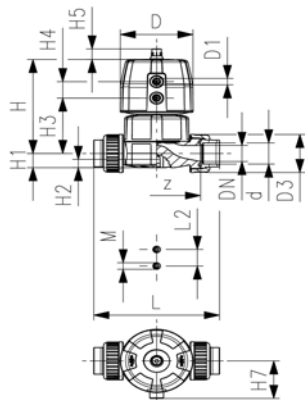
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 812	161 654 832
3/4	20	10/10*	271	161 654 813	161 654 833
1	25	10/10*	481	161 654 814	161 654 834
1 1/4	32	10/10*	759	161 654 815	161 654 835
1 1/2	40	10/10*	1263	161 654 816	161 654 836
2	50	10/10*	1728	161 654 817	161 654 837

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) Unions with threaded sockets Rc

Model:

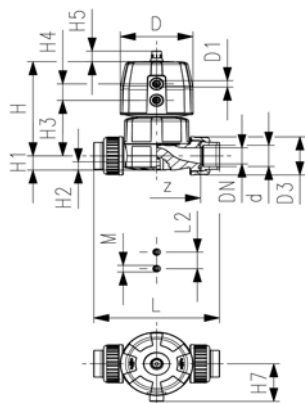
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

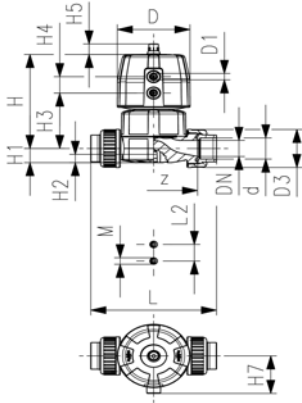
* PN: PTFE

Working Pressure: **one side**



Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 654 912	161 654 932
3/4	20	10/10*	271	161 654 913	161 654 933
1	25	10/10*	481	161 654 914	161 654 934
1 1/4	32	10/10*	759	161 654 915	161 654 935
1 1/2	40	10/10*	1263	161 654 916	161 654 936
2	50	10/10*	1728	161 654 917	161 654 937

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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10	
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13	
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15	
1 1/2	150	1/4	222	45	214	32	15	119	36	26	69	M8	160	19	
2	150	1/4	266	45	226	39	15	132	36	26	69	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-U DA (Double acting) With fixed flanges PVC-U JIS

Model:

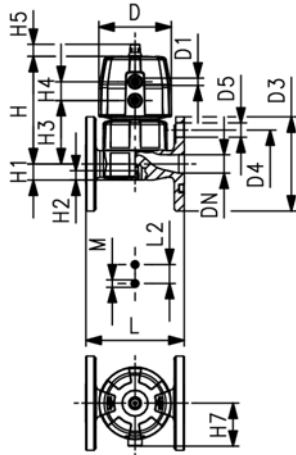
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	161 657 912	161 657 932	
3/4	20	10/10*	271	161 657 913	161 657 933	
1	25	10/10*	481	161 657 914	161 657 934	
1 1/4	32	10/10*	759	161 657 915	161 657 935	
1 1/2	40	10/10*	1263	161 657 916	161 657 936	
2	50	10/10*	1728	161 657 917	161 657 937	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) low pressure Unions with solvent cement sockets JIS

Model:

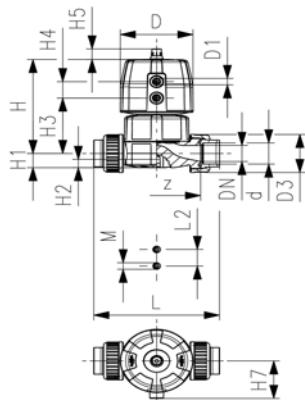
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/8*	125	161 684 812	161 684 832	
3/4	20	10/8*	271	161 684 813	161 684 833	
1	25	10/8*	481	161 684 814	161 684 834	
1 1/4	32	10/8*	759	161 684 815	161 684 835	
1 1/2	40	10/8*	1263	161 684 816	161 684 836	
2	50	10/6*	1728	161 684 817	161 684 837	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	96	3/8	152	25	132	18	12	73	25	16	57	M6	120	10	
3/4	96	3/8	152	25	132	18	12	73	25	16	57	M6	114	10	
1	120	1/2	166	25	167	22	12	93	26	26	69	M6	122	13	
1 1/4	150	1/2	192	45	196	26	15	101	36	26	88	M8	140	15	
1 1/2	180	1/2	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	1/2	266	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) low pressure Unions with threaded sockets Rc

Model:

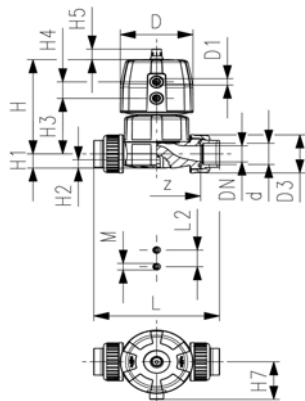
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

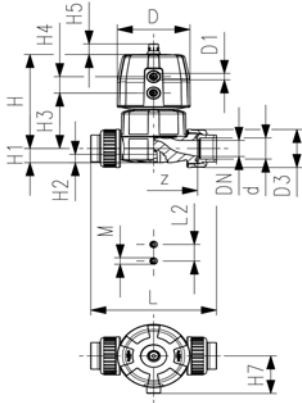
* PN: PTFE

Working Pressure: **both sides**



Rc	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/8*	125	161 684 912	161 684 932	
3/4	20	10/8*	271	161 684 913	161 684 933	
1	25	10/8*	481	161 684 914	161 684 934	
1 1/4	32	10/8*	759	161 684 915	161 684 935	
1 1/2	40	10/8*	1263	161 684 916	161 684 936	
2	50	10/6*	1728	161 684 917	161 684 937	

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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U FC (Fail safe to close) low pressure With fixed flanges PVC-U JIS

Model:

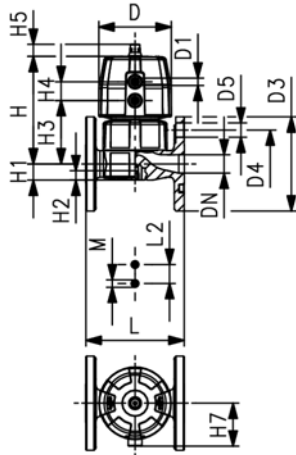
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



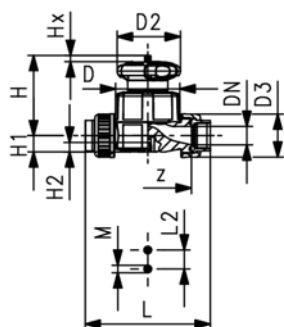
Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 687 912	161 687 932
3/4	20	10/8*	271	161 687 913	161 687 933
1	25	10/8*	481	161 687 914	161 687 934
1 1/4	32	10/8*	759	161 687 915	161 687 935
1 1/2	40	10/8*	1263	161 687 916	161 687 936
2	50	10/6*	1728	161 687 917	161 687 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-U OF With solvent cement sockets JIS



Model:

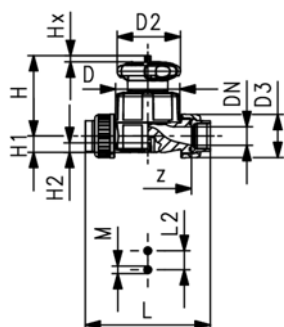
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 822	161 514 872
3/4	20	10	271	161 514 823	161 514 873
1	25	10	481	161 514 824	161 514 874
1 1/4	32	10	759	161 514 825	161 514 875
1 1/2	40	10	1263	161 514 826	161 514 876
2	50	10	1728	161 514 827	161 514 877

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	80	65	51	152	25	81	18	12	M6	120	10
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 514 PVC-U OF With threaded sockets Rc

Model:

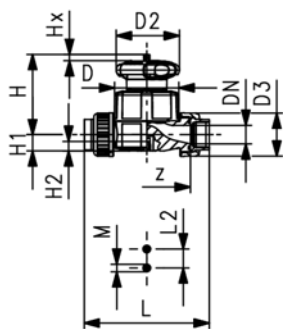
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches
- PN16 available as a configuration

Rc [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	161 514 922	161 514 972
3/4	20	10	271	161 514 923	161 514 973
1	25	10	481	161 514 924	161 514 974
1 1/4	32	10	759	161 514 925	161 514 975
1 1/2	40	10	1263	161 514 926	161 514 976
2	50	10	1728	161 514 927	161 514 977

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Rc [inch]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
½	80	65	51	152	25	81	18	12	M6	120	110	
¾	80	65	51	152	25	81	18	12	M6	114	10	
1	88	87	58	166	25	107	22	12	M6	122	13	
1 ¼	101	87	72	192	45	115	26	15	M8	140	15	
1 ½	117	135	83	222	45	148	32	15	M8	160	19	
2	144	135	100	266	45	166	39	15	M8	190	25	



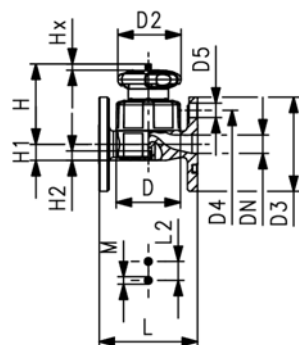
Diaphragm valve type 517 PVC-U OF With fixed flanges PVC-U JIS

Model:

- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10	125	161 517 922	161 517 972	
¾	20	10	271	161 517 923	161 517 973	
1	25	10	481	161 517 924	161 517 974	
1 ¼	32	10	759	161 517 925	161 517 975	
1 ½	40	10	1263	161 517 926	161 517 976	
2	50	10	1728	161 517 927	161 517 977	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	70	15	110	25	73	14	12	M6	7	
¾	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 ¼	101	87	135	100	19	180	45	115	26	15	M8	15	
1 ½	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-U SF FC (Fail safe to close) With fixed flanges PVC-U JIS

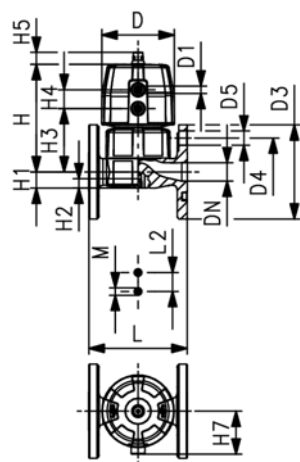


Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	161 617 922										
3/4	20	6	271	161 617 923										
1	25	6	481	161 617 924										
1 1/4	32	6	759	161 617 925										
1 1/2	40	6	960	161 617 926										
2	50	6	1181	161 617 927										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/4	95	70	15	110	25	101	14	12	60	43	M6	7
3/4	96	1/4	100	75	15	120	25	132	18	12	73	57	M6	10
1	96	1/4	125	90	15	130	25	143	22	12	84	57	M6	13
1 1/4	120	1/4	135	100	19	180	45	173	26	15	99	69	M6	14
1 1/2	120	1/4	140	105	19	180	45	193	32	15	119	69	M6	16
2	120	1/4	155	120	19	210	45	205	39	15	132	69	M6	16



Diaphragm valve DIASTAR Ten PVC-U SF FC (Fail safe to close) With fixed flanges PVC-U JIS

Model:

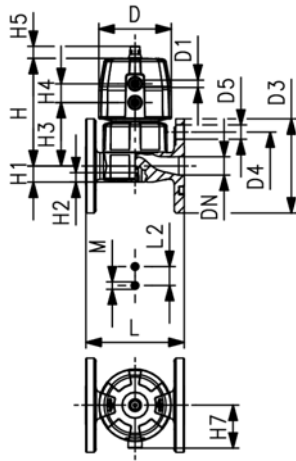
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
1/2	15	10/10*	125	161 627 922	161 627 972										
3/4	20	10/10*	271	161 627 923	161 627 973										
1	25	10/10*	481	161 627 924	161 627 974										
1 1/4	32	10/10*	759	161 627 925	161 627 975										
1 1/2	40	10/10*	1263	161 627 926	161 627 976										
2	50	10/6*	1728	161 627 927	161 627 977										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]														
1/2	7														
3/4	10														
1	13														
1 1/4	15														
1 1/2	19														
2	23														



Diaphragm valve DIASTAR Ten PVC-U SF FO (Fail safe to open) With fixed flanges PVC-U JIS

Model:

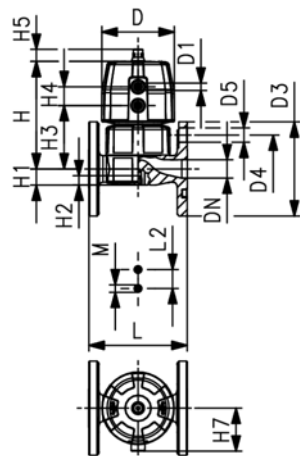
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 647 922	161 647 972
3/4	20	10/10*	271	161 647 923	161 647 973
1	25	10/10*	481	161 647 924	161 647 974
1 1/4	32	10/10*	759	161 647 925	161 647 975
1 1/2	40	10/10*	1263	161 647 926	161 647 976
2	50	10/10*	1728	161 647 927	161 647 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/4	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/4	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/4	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/4	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR Ten PVC-U SF DA (Double acting) With fixed flanges PVC-U JIS

Model:

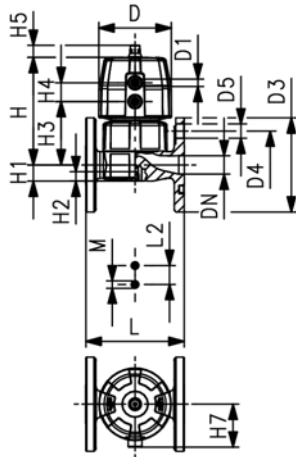
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	161 657 922	161 657 972
3/4	20	10/10*	271	161 657 923	161 657 973
1	25	10/10*	481	161 657 924	161 657 974
1 1/4	32	10/10*	759	161 657 925	161 657 975
1 1/2	40	10/10*	1263	161 657 926	161 657 976
2	50	10/10*	1728	161 657 927	161 657 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR TenPlus PVC-U OF FC (Fail safe to close) low pressure With fixed flanges PVC-U JIS

Model:

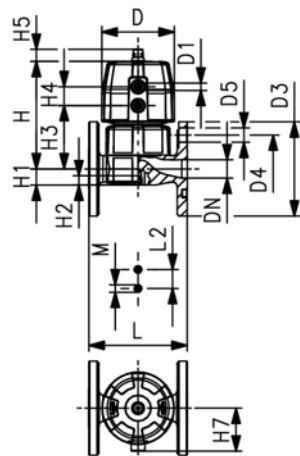
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 687 922	161 687 972
3/4	20	10/8*	271	161 687 923	161 687 973
1	25	10/8*	481	161 687 924	161 687 974
1 1/4	32	10/8*	759	161 687 925	161 687 975
1 1/2	40	10/8*	1263	161 687 926	161 687 976
2	50	10/6*	1728	161 687 927	161 687 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/4	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/4	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/4	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR TenPlus PVC-U OF FC (Fail safe to close) low pressure Unions with solvent cement sockets JIS

Model:

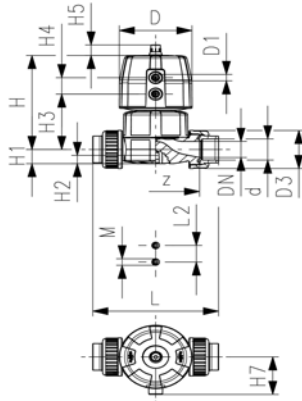
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 684 822	161 684 872
3/4	20	10/8*	271	161 684 823	161 684 873
1	25	10/8*	481	161 684 824	161 684 874
1 1/4	32	10/8*	759	161 684 825	161 684 875
1 1/2	40	10/8*	1263	161 684 826	161 684 876
2	50	10/6*	1728	161 684 827	161 684 877

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	152	25	132	18	12	73	25	16	57	M6	120	10
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-U OF FC (Fail safe to close) low pressure Unions with threaded sockets Rc

Model:

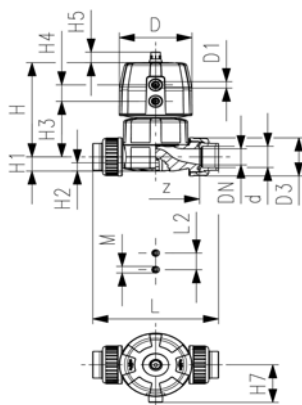
- Oil free
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available
- PN16 available as a configuration

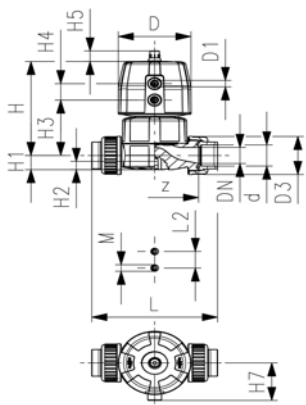
* PN: PTFE

Working Pressure: **both sides**



Rc [inch]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	161 684 922	161 684 972
3/4	20	10/8*	271	161 684 923	161 684 973
1	25	10/8*	481	161 684 924	161 684 974
1 1/4	32	10/8*	759	161 684 925	161 684 975
1 1/2	40	10/8*	1263	161 684 926	161 684 976
2	50	10/6*	1728	161 684 927	161 684 977

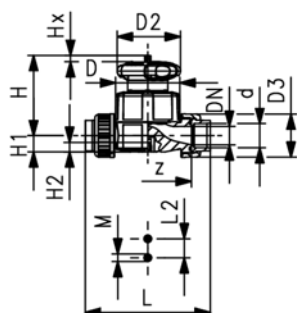
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Rc [inch]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	96	⅜	152	25	132	18	12	73	25	16	57	M6	120	10	
¾	96	⅜	152	25	132	18	12	73	25	16	57	M6	114	10	
1	120	⅜	166	25	167	22	12	93	26	26	69	M6	122	13	
1 ¼	150	¼	192	45	196	26	15	101	36	26	88	M8	140	15	
1 ½	180	¼	222	45	239	32	15	124	37	26	103	M8	160	19	
2	180	¼	266	45	251	39	15	137	37	26	103	M8	190	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C With solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

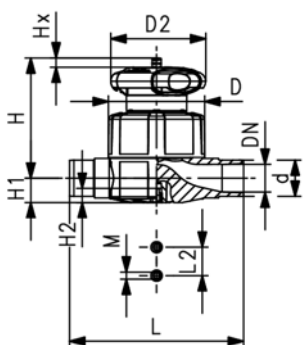
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 514 012	163 514 032
25	20	10	271	163 514 013	163 514 033
32	25	10	481	163 514 014	163 514 034
40	32	10	759	163 514 015	163 514 035
50	40	10	1263	163 514 016	163 514 036
63	50	10	1728	163 514 017	163 514 037

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valve type 515 PVC-C With solvent cement spigots metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 515 012	163 515 032
25	20	10	271	163 515 013	163 515 033
32	25	10	481	163 515 014	163 515 034
40	32	10	759	163 515 015	163 515 035
50	40	10	1263	163 515 016	163 515 036
63	50	10	1728	163 515 017	163 515 037

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25



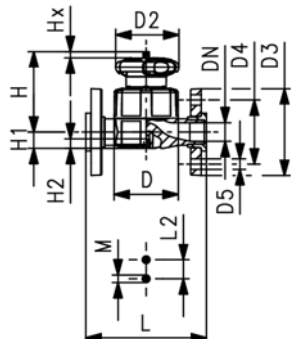
Diaphragm valve type 517 PVC-C With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	163 517 112	163 517 132
25	20	10	271	163 517 113	163 517 133
32	25	10	481	163 517 114	163 517 134
40	32	10	759	163 517 115	163 517 135
50	40	10	1263	163 517 116	163 517 136
63	50	10	1728	163 517 117	163 517 137

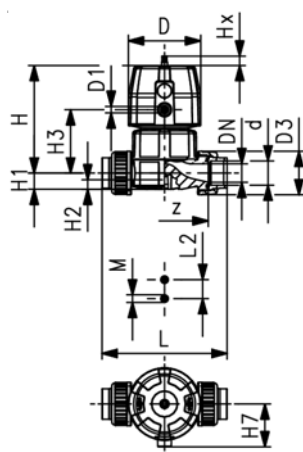
d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close)

Unions with solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

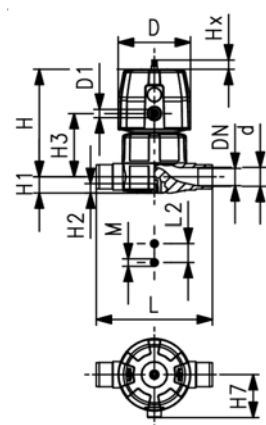
- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code									
20	15	6	125	163 614 012									
25	20	6	271	163 614 013									
32	25	6	481	163 614 014									
40	32	6	759	163 614 015									
50	40	6	960	163 614 016									
63	50	6	1181	163 614 017									

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	68	1/8	128	25	101	14	12	60	43	M6	96	7	
25	96	1/8	152	25	132	18	12	73	57	M6	114	10	
32	96	1/8	166	25	143	22	12	84	57	M6	122	13	
40	120	1/8	192	45	173	26	15	99	69	M8	140	14	
50	120	1/8	222	45	193	32	15	119	69	M8	160	16	
63	120	1/8	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close)

With solvent cement spigots metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

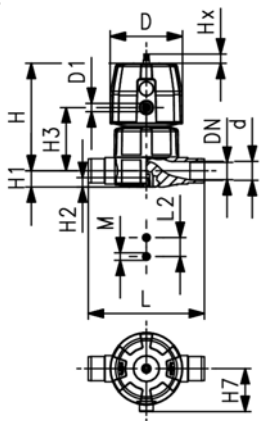
Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code									
20	15	6	125	163 615 012									
25	20	6	271	163 615 013									
32	25	6	481	163 615 014									
40	32	6	759	163 615 015									
50	40	6	960	163 615 016									
63	50	6	1181	163 615 017									

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	
25	96	1/8	144	25	132	18	12	73	57	M6	10	
32	96	1/8	154	25	143	22	12	84	57	M6	13	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



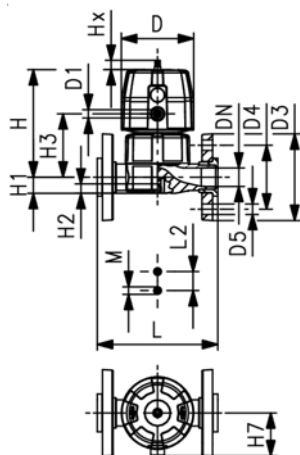
Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	163 617 112	
25	20	6	271	163 617 113	
32	25	6	481	163 617 114	
40	32	6	759	163 617 115	
50	40	6	960	163 617 116	
63	50	6	1181	163 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

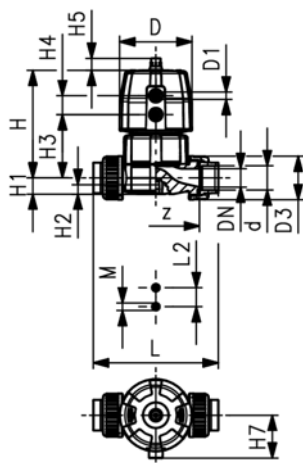
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code										
20	15	10/10*	125	163 624 012	163 624 032										
25	20	10/10*	271	163 624 013	163 624 033										
32	25	10/10*	481	163 624 014	163 624 034										
40	32	10/10*	759	163 624 015	163 624 035										
50	40	10/10*	1263	163 624 016	163 624 036										
63	50	10/6*	1728	163 624 017	163 624 037										

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With solvent cement spigots metric

Model:

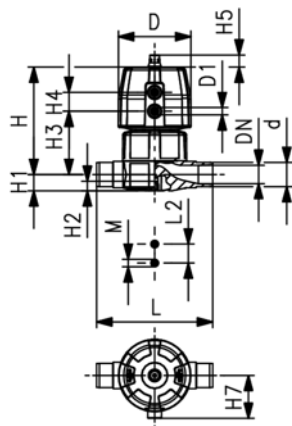
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

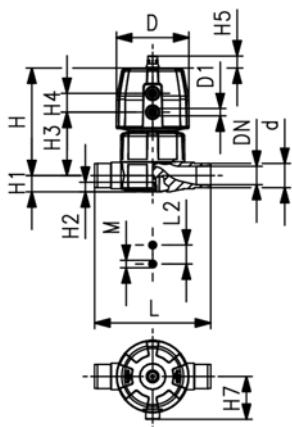
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code										
20	15	10/10*	125	163 625 012	163 625 032										
25	20	10/10*	271	163 625 013	163 625 033										
32	25	10/10*	481	163 625 014	163 625 034										
40	32	10/10*	759	163 625 015	163 625 035										
50	40	10/10*	1263	163 625 016	163 625 036										
63	50	10/6*	1728	163 625 017	163 625 037										

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

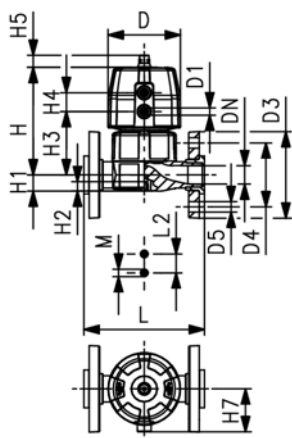
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 627 112	163 627 132
25	20	10/10*	271	163 627 113	163 627 133
32	25	10/10*	481	163 627 114	163 627 134
40	32	10/10*	759	163 627 115	163 627 135
50	40	10/10*	1263	163 627 116	163 627 136
63	50	10/6*	1728	163 627 117	163 627 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

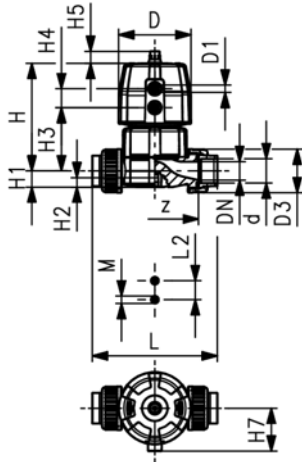
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 644 012	163 644 032	
25	20	10/10*	271	163 644 013	163 644 033	
32	25	10/10*	481	163 644 014	163 644 034	
40	32	10/10*	759	163 644 015	163 644 035	
50	40	10/10*	1263	163 644 016	163 644 036	
63	50	10/10*	1728	163 644 017	163 644 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With solvent cement spigots metric

Model:

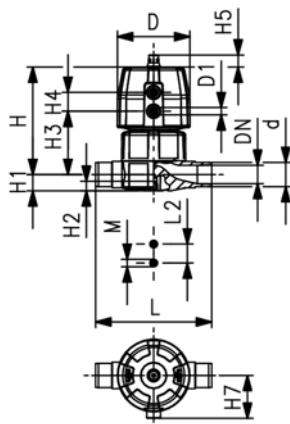
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

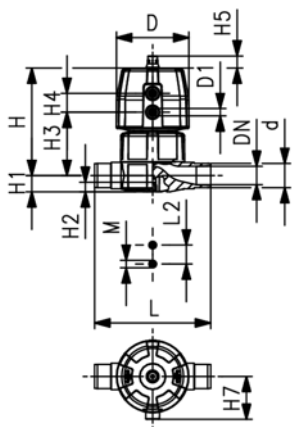
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 645 012	163 645 032	
25	20	10/10*	271	163 645 013	163 645 033	
32	25	10/10*	481	163 645 014	163 645 034	
40	32	10/10*	759	163 645 015	163 645 035	
50	40	10/10*	1263	163 645 016	163 645 036	
63	50	10/10*	1728	163 645 017	163 645 037	

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

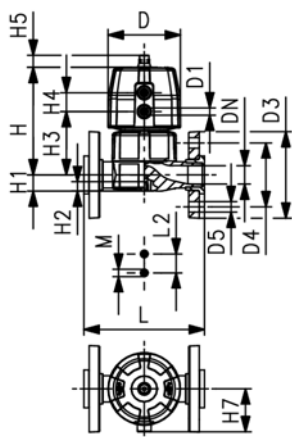
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 647 112	163 647 132
25	20	10/10*	271	163 647 113	163 647 133
32	25	10/10*	481	163 647 114	163 647 134
40	32	10/10*	759	163 647 115	163 647 135
50	40	10/10*	1263	163 647 116	163 647 136
63	50	10/10*	1728	163 647 117	163 647 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) Unions with solvent cement sockets metric

Model:

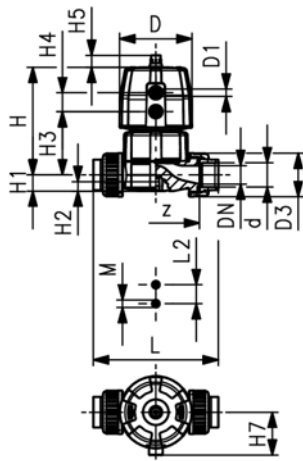
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 654 012	163 654 032	
25	20	10/10*	271	163 654 013	163 654 033	
32	25	10/10*	481	163 654 014	163 654 034	
40	32	10/10*	759	163 654 015	163 654 035	
50	40	10/10*	1263	163 654 016	163 654 036	
63	50	10/10*	1728	163 654 017	163 654 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With solvent cement spigots metric

Model:

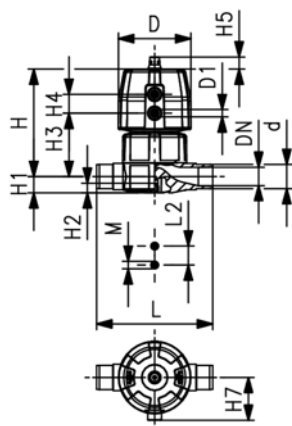
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

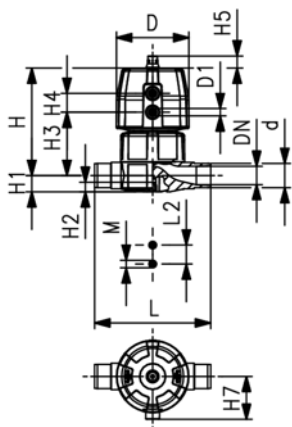
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 655 012	163 655 032	
25	20	10/10*	271	163 655 013	163 655 033	
32	25	10/10*	481	163 655 014	163 655 034	
40	32	10/10*	759	163 655 015	163 655 035	
50	40	10/10*	1263	163 655 016	163 655 036	
63	50	10/10*	1728	163 655 017	163 655 037	

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With backing flanges PP-V metric/BS

Model:

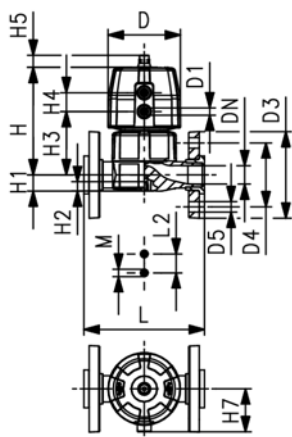
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 657 112	163 657 132
25	20	10/10*	271	163 657 113	163 657 133
32	25	10/10*	481	163 657 114	163 657 134
40	32	10/10*	759	163 657 115	163 657 135
50	40	10/10*	1263	163 657 116	163 657 136
63	50	10/10*	1728	163 657 117	163 657 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

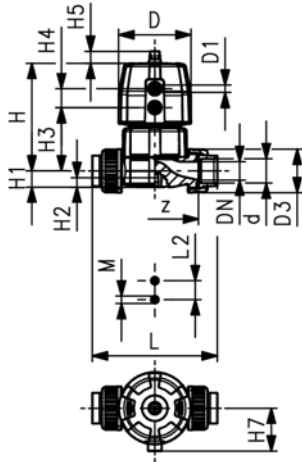
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 684 012	163 684 032	
25	20	10/10*	271	163 684 013	163 684 033	
32	25	10/10*	481	163 684 014	163 684 034	
40	32	10/10*	759	163 684 015	163 684 035	
50	40	10/10*	1263	163 684 016	163 684 036	
63	50	10/10*	1728	163 684 017	163 684 037	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13	
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15	
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19	
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) With solvent cement spigots metric

Model:

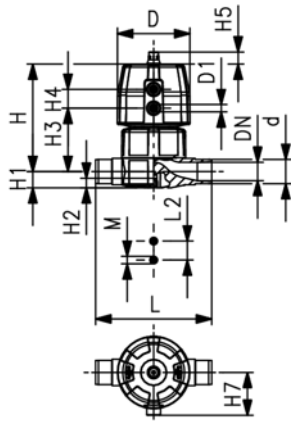
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

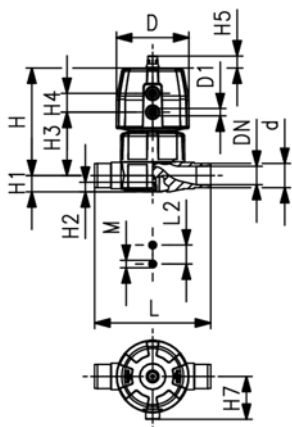
* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10/10*	125	163 685 012	163 685 032	
25	20	10/10*	271	163 685 013	163 685 033	
32	25	10/10*	481	163 685 014	163 685 034	
40	32	10/10*	759	163 685 015	163 685 035	
50	40	10/10*	1263	163 685 016	163 685 036	
63	50	10/10*	1728	163 685 017	163 685 037	

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

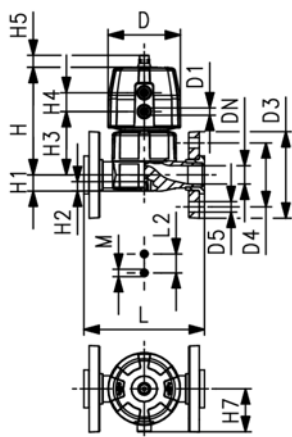
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



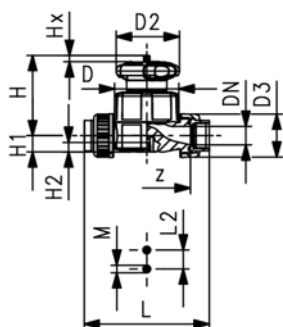
d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	163 687 112	163 687 132
25	20	10/10*	271	163 687 113	163 687 133
32	25	10/10*	481	163 687 114	163 687 134
40	32	10/10*	759	163 687 115	163 687 135
50	40	10/10*	1263	163 687 116	163 687 136
63	50	10/10*	1728	163 687 117	163 687 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C With solvent cement sockets ASTM



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

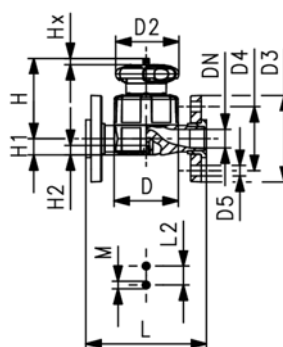
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 514 612	163 514 632
3/4	20	10	271	163 514 613	163 514 633
1	25	10	481	163 514 614	163 514 634
1 1/4	32	10	759	163 514 615	163 514 635
1 1/2	40	10	1263	163 514 616	163 514 636
2	50	10	1728	163 514 617	163 514 637

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25

Diaphragm valve type 517 PVC-C With backing flanges PP-V Inch ANSI



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

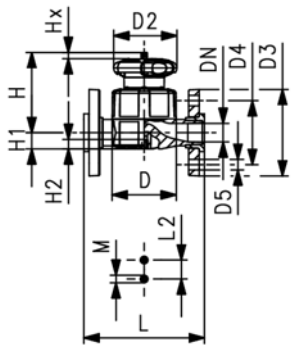
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 712	163 517 732
3/4	20	10	271	163 517 713	163 517 733
1	25	10	481	163 517 714	163 517 734
1 1/4	32	10	759	163 517 715	163 517 735
1 1/2	40	10	1263	163 517 716	163 517 736
2	50	10	1728	163 517 717	163 517 737

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	60	16	130	25	73	14	12	M6	7
3/4	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13

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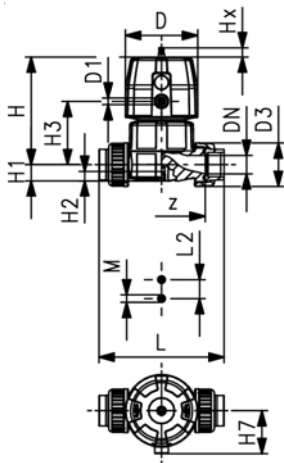


Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) Unions with solvent cement sockets ASTM



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

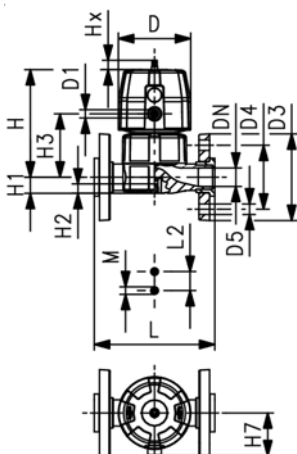
Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	163 614 612	
3/4	20	6	271	163 614 613	
1	25	6	481	163 614 614	
1 1/4	32	6	759	163 614 615	
1 1/2	40	6	960	163 614 616	
2	50	6	1181	163 614 617	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	141	25	101	14	12	60	43	M6	96	7	
3/4	96	1/8	165	25	132	18	12	73	57	M6	114	10	
1	96	1/8	179	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/8	204	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/8	230	45	193	32	15	119	69	M8	160	16	
2	120	1/8	268	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Six PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI



Model:

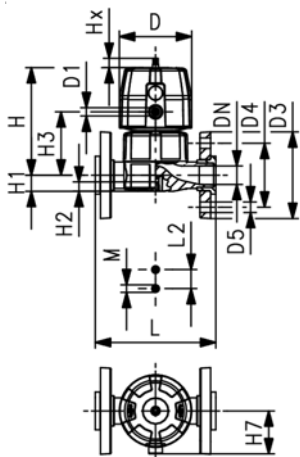
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	163 617 712	
3/4	20	6	271	163 617 713	
1	25	6	481	163 617 714	
1 1/4	32	6	759	163 617 715	
1 1/2	40	6	960	163 617 716	
2	50	6	1181	163 617 717	

table continued next page



Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
½	68	⅜	95	60	16	130	25	101	14	12	60	43	M6	7	
¾	96	⅜	105	70	16	150	25	132	18	12	73	57	M6	10	
1	96	⅜	115	79	16	160	25	143	22	12	84	57	M6	13	
1 ¼	120	⅜	140	89	16	180	45	173	26	15	99	69	M8	14	
1 ½	120	⅜	150	98	16	200	45	193	32	15	119	69	M8	16	
2	120	⅜	165	121	19	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

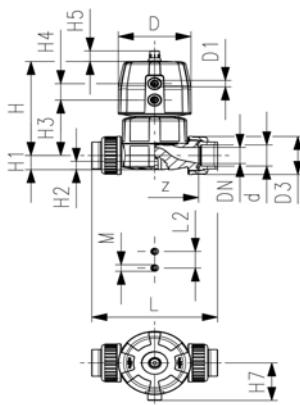
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

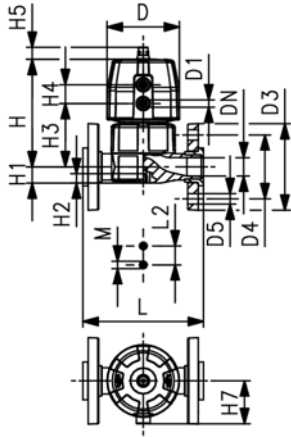
* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
½	15	10/10*	125	163 624 612	163 624 632	
¾	20	10/10*	271	163 624 613	163 624 633	
1	25	10/10*	481	163 624 614	163 624 634	
1 ¼	32	10/10*	759	163 624 615	163 624 635	
1 ½	40	10/10*	1263	163 624 616	163 624 636	
2	50	10/6*	1728	163 624 617	163 624 637	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
½	68	⅜	141	25	101	14	12	60	24	16	43	M6	96	7	
¾	96	⅜	165	25	132	18	12	73	25	16	57	M6	114	10	
1	96	⅜	179	25	143	22	12	84	25	16	57	M6	122	13	
1 ¼	120	⅜	204	45	173	26	15	99	26	26	69	M8	140	15	
1 ½	150	¼	230	45	214	32	15	119	36	26	88	M8	160	19	
2	150	¼	268	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	163 627 712	163 627 732
3/4	20	10/10*	271	163 627 713	163 627 733
1	25	10/10*	481	163 627 714	163 627 734
1 1/4	32	10/10*	759	163 627 715	163 627 735
1 1/2	40	10/10*	1263	163 627 716	163 627 736
2	50	10/6*	1728	163 627 717	163 627 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) Unions with solvent cement sockets ASTM

Model:

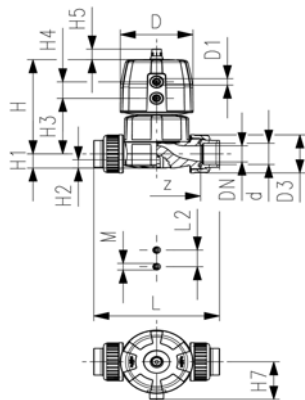
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
1/2	15	10/5*	125	163 644 612	163 644 632										
3/4	20	10/6*	271	163 644 613	163 644 633										
1	25	10/6*	481	163 644 614	163 644 634										
1 1/4	32	10/6*	759	163 644 615	163 644 635										
1 1/2	40	10/6*	1263	163 644 616	163 644 636										
2	50	10/6*	1728	163 644 617	163 644 637										

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/8	141	25	101	14	12	60	24	16	43	M6	96	7	
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10	
1	96	1/8	179	25	143	22	12	84	25	16	57	M6	122	13	
1 1/4	120	1/8	204	45	173	26	15	99	26	26	69	M8	140	15	
1 1/2	150	1/4	230	45	214	32	15	119	36	26	88	M8	160	19	
2	150	1/4	268	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten PVC-C FO (Fail safe to open) With backing flanges PP-V Inch ANSI

Model:

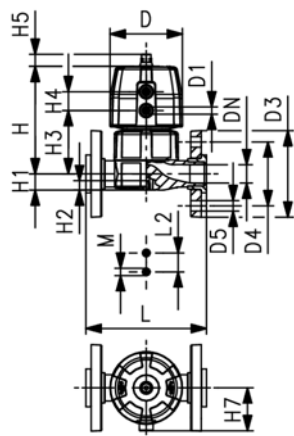
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

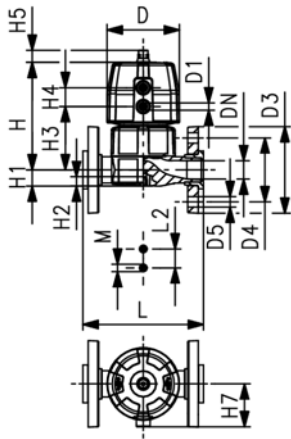
* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code										
1/2	15	10/10*	125	163 647 712	163 647 732										
3/4	20	10/10*	271	163 647 713	163 647 733										
1	25	10/10*	481	163 647 714	163 647 734										
1 1/4	32	10/10*	759	163 647 715	163 647 735										
1 1/2	40	10/10*	1263	163 647 716	163 647 736										
2	50	10/10*	1728	163 647 717	163 647 737										

table continued next page



Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	68	⅝	95	60	16	130	25	101	14	12	60	24	16	43	M6
¾	96	⅝	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅝	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 ¼	120	⅝	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 ½	150	¾	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	¾	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) Unions with solvent cement sockets ASTM

Model:

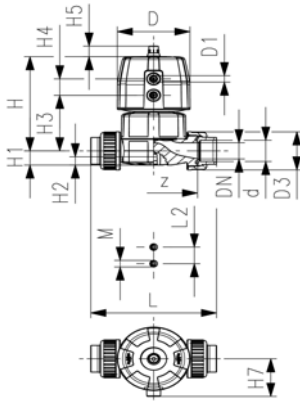
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
½	15	10/10*	125	163 654 612	163 654 632
¾	20	10/10*	271	163 654 613	163 654 633
1	25	10/10*	481	163 654 614	163 654 634
1 ¼	32	10/10*	759	163 654 615	163 654 635
1 ½	40	10/10*	1263	163 654 616	163 654 636
2	50	10/10*	1728	163 654 617	163 654 637

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	68	⅝	141	25	101	14	12	60	24	16	43	M6	96	7
¾	96	⅝	165	25	132	18	12	73	25	16	57	M6	114	10
1	96	⅝	179	25	143	22	12	84	25	16	57	M6	122	13
1 ¼	120	⅝	204	45	173	26	15	99	26	26	69	M8	140	15
1 ½	150	¾	230	45	214	32	15	119	36	26	88	M8	160	19
2	150	¾	268	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten PVC-C DA (Double acting) With backing flanges PP-V Inch ANSI

Model:

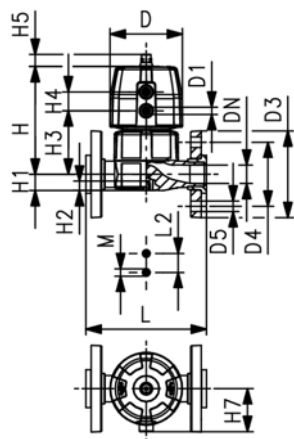
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	163 657 712	163 657 732	
3/4	20	10/10*	271	163 657 713	163 657 733	
1	25	10/10*	481	163 657 714	163 657 734	
1 1/4	32	10/10*	759	163 657 715	163 657 735	
1 1/2	40	10/10*	1263	163 657 716	163 657 736	
2	50	10/10*	1728	163 657 717	163 657 737	

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/4	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/4	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/4	115	79	16	160	25	143	22	12	84	25	16	57	M6
1 1/4	120	1/4	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) Unions with solvent cement sockets ASTM

Model:

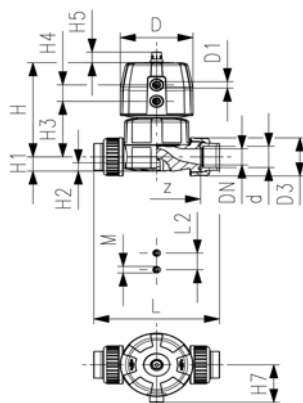
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	163 684 612	163 684 632	
3/4	20	10/10*	271	163 684 613	163 684 633	
1	25	10/10*	481	163 684 614	163 684 634	
1 1/4	32	10/10*	759	163 684 615	163 684 635	
1 1/2	40	10/10*	1263	163 684 616	163 684 636	
2	50	10/10*	1728	163 684 617	163 684 637	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	96	1/8	141	25	127	14	12	68	25	16	57	M6	96	7
3/4	96	1/8	165	25	132	18	12	73	25	16	57	M6	114	10
1	120	1/8	179	25	167	22	12	93	26	26	69	M6	122	13
1 1/4	150	1/4	204	45	196	26	15	101	36	26	88	M8	140	15
1 1/2	180	1/4	230	45	239	32	15	124	37	26	103	M8	160	19
2	180	1/4	268	45	251	39	15	137	37	26	103	M8	190	23



Diaphragm valve DIASTAR TenPlus PVC-C FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

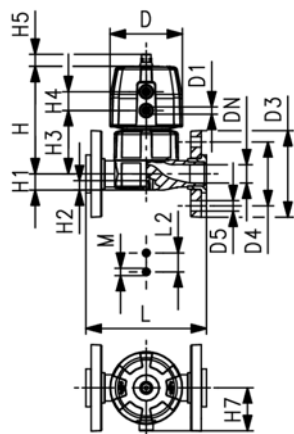
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

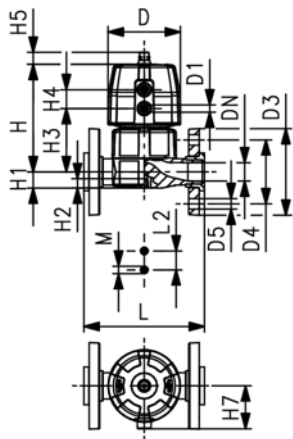
* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code	
1/2	15	10/10*	125	163 687 712	163 687 732	
3/4	20	10/10*	271	163 687 713	163 687 733	
1	25	10/10*	481	163 687 714	163 687 734	
1 1/4	32	10/10*	759	163 687 715	163 687 735	
1 1/2	40	10/10*	1263	163 687 716	163 687 736	
2	50	10/10*	1728	163 687 717	163 687 737	

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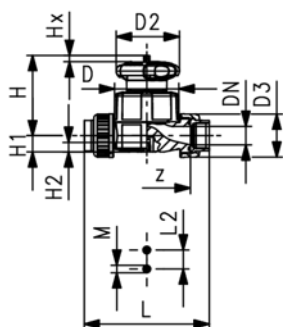


Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	3/8	95	60	16	130	25	127	14	12	68	25	16	57	M6
3/4	96	3/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	3/8	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	1/4	165	121	19	230	45	251	39	15	137	37	26	103	M8

Inch	Lift = Hx [mm]	
1/2	7	
3/4	10	
1	13	
1 1/4	15	
1 1/2	19	
2	23	

Diaphragm valves new generation

Diaphragm valve type 514 PVC-C SF With solvent cement sockets ASTM



Model:

- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

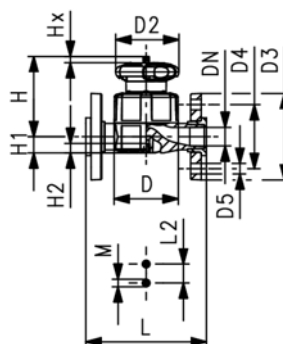
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 514 622	163 514 672
3/4	20	10	271	163 514 623	163 514 673
1	25	10	481	163 514 624	163 514 674
1 1/4	32	10	759	163 514 625	163 514 675
1 1/2	40	10	1263	163 514 626	163 514 676
2	50	10	1728	163 514 627	163 514 677

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	141	25	73	14	12	M6	96	7
3/4	80	65	51	165	25	81	18	12	M6	114	10
1	88	87	58	179	25	107	22	12	M6	122	13
1 1/4	101	87	72	204	45	115	26	15	M8	140	15
1 1/2	117	135	83	230	45	148	32	15	M8	160	19
2	144	135	100	268	45	166	39	15	M8	190	25

Diaphragm valve type 517 PVC-C SF With backing flanges PP-V Inch ANSI



Model:

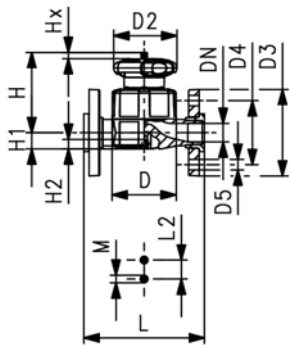
- Silicone free / paint-compatible
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 722	163 517 772
3/4	20	10	271	163 517 723	163 517 773
1	25	10	481	163 517 724	163 517 774
1 1/4	32	10	759	163 517 725	163 517 775
1 1/2	40	10	1263	163 517 726	163 517 776
2	50	10	1728	163 517 727	163 517 777

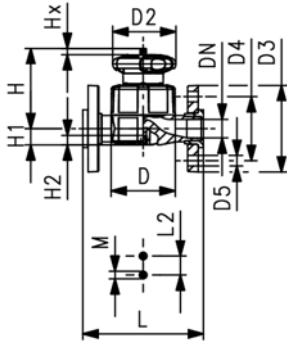
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Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves new generation

Diaphragm valve type 517 PVC-C With backing flanges PP-V JIS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

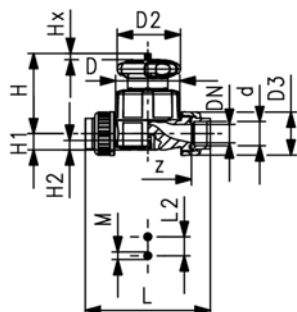
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	163 517 812	163 517 832
3/4	20	10	271	163 517 813	163 517 833
1	25	10	481	163 517 814	163 517 834
1 1/4	32	10	759	163 517 815	163 517 835
1 1/2	40	10	1263	163 517 816	163 517 836
2	50	10	1728	163 517 817	163 517 837

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	130	25	73	14	12	M6	7
3/4	80	65	100	75	15	150	25	81	18	12	M6	10
1	88	87	125	90	19	160	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	200	45	148	32	15	M8	19
2	144	135	155	120	19	230	45	166	39	15	M8	25

Diaphragm valves new generation

Diaphragm valve type 514 ABS With solvent cement sockets metric



Model:

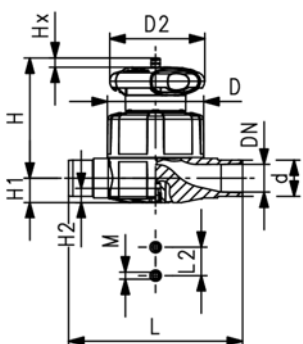
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	169 514 012	169 514 032
25	20	10	271	169 514 013	169 514 033
32	25	10	481	169 514 014	169 514 034
40	32	10	759	169 514 015	169 514 035
50	40	10	1263	169 514 016	169 514 036
63	50	10	1728	169 514 017	169 514 037

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	43	128	25	73	14	12	M6	96	7
25	80	65	51	152	25	81	18	12	M6	114	10
32	88	87	58	166	25	107	22	12	M6	122	13
40	101	87	72	192	45	115	26	15	M8	140	15
50	117	135	83	222	45	148	32	15	M8	160	19
63	144	135	100	266	45	166	39	15	M8	190	25



Diaphragm valve type 515 ABS With solvent cement spigots metric

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

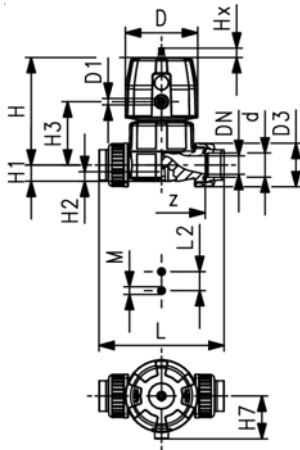
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	169 515 012	169 515 032
25	20	10	271	169 515 013	169 515 033
32	25	10	481	169 515 014	169 515 034
40	32	10	759	169 515 015	169 515 035
50	40	10	1263	169 515 016	169 515 036
63	50	10	1728	169 515 017	169 515 037

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	154	25	107	22	12	M6	13
40	101	87	174	45	115	26	15	M8	15
50	117	135	194	45	148	32	15	M8	19
63	144	135	224	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) Unions with solvent cement sockets metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

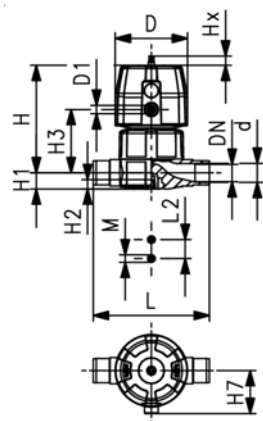
Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	169 614 012	
25	20	6	271	169 614 013	
32	25	6	481	169 614 014	
40	32	6	759	169 614 015	
50	40	6	960	169 614 016	
63	50	6	1181	169 614 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	68	1/8	128	25	101	14	12	60	43	M6	96	7	
25	96	1/8	152	25	132	18	12	73	57	M6	114	10	
32	96	1/8	166	25	143	22	12	84	57	M6	122	13	
40	120	1/8	192	45	173	26	15	99	69	M8	140	14	
50	120	1/8	222	45	193	32	15	119	69	M8	160	16	
63	120	1/8	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) With solvent cement spigots metric



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

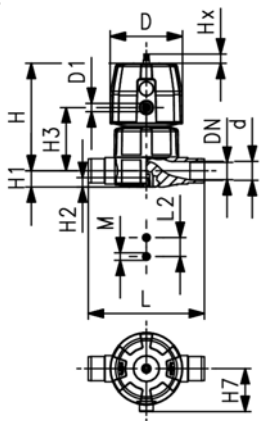
Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	169 615 012	
25	20	6	271	169 615 013	
32	25	6	481	169 615 014	
40	32	6	759	169 615 015	
50	40	6	960	169 615 016	
63	50	6	1181	169 615 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	
25	96	1/8	144	25	132	18	12	73	57	M6	10	
32	96	1/8	154	25	143	22	12	84	57	M6	13	

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
40	120	1/8	174	45	173	26	15	99	69	M8	14	
50	120	1/8	194	45	193	32	15	119	69	M8	16	
63	120	1/8	224	45	205	39	15	132	69	M8	16	



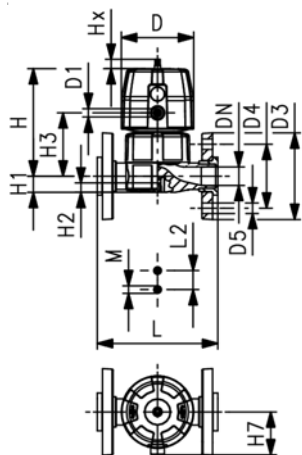
Diaphragm valve DIASTAR Six ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	169 617 112	
25	20	6	271	169 617 113	
32	25	6	481	169 617 114	
40	32	6	759	169 617 115	
50	40	6	960	169 617 116	
63	50	6	1181	169 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	57	M6	13	
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14	
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16	
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16	



Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

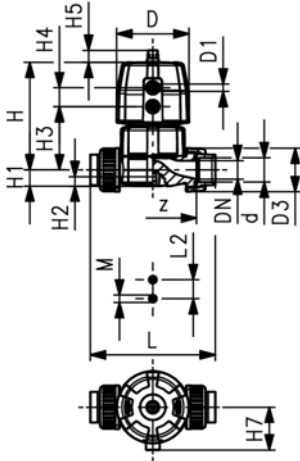
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
20	15	10/10*	125	169 624 012										
25	20	10/10*	271	169 624 013										
32	25	10/10*	481	169 624 014										
40	32	10/10*	759	169 624 015										
50	40	10/10*	1263	169 624 016										
63	50	10/10*	1728	169 624 017										

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) With solvent cement spigots metric

Model:

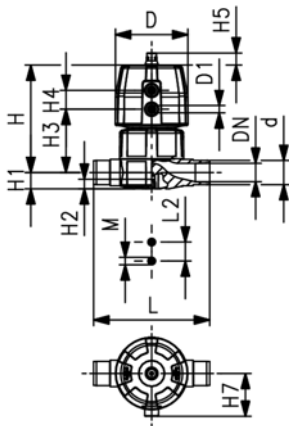
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

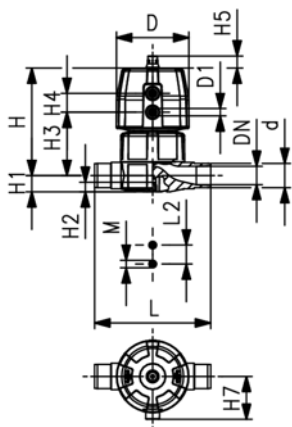
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
20	15	10/10*	125	169 625 012										
25	20	10/10*	271	169 625 013										
32	25	10/10*	481	169 625 014										
40	32	10/10*	759	169 625 015										
50	40	10/10*	1263	169 625 016										
63	50	10/10*	1728	169 625 017										

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

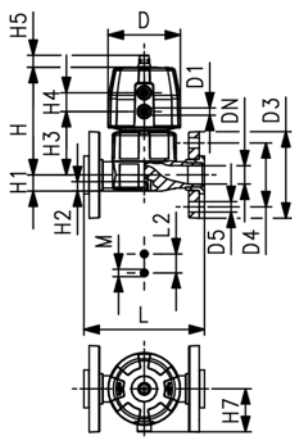
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	10/10*	125	169 627 112
25	20	10/10*	271	169 627 113
32	25	10/10*	481	169 627 114
40	32	10/10*	759	169 627 115
50	40	10/10*	1263	169 627 116
63	50	10/10*	1728	169 627 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) Unions with solvent cement sockets metric

Model:

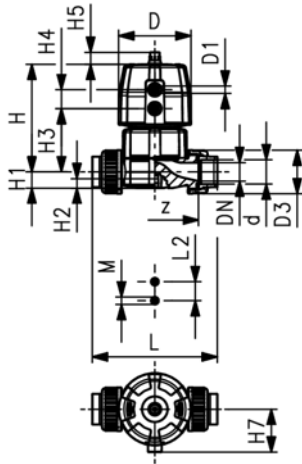
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10/10*	125	169 644 012
25	20	10/10*	271	169 644 013
32	25	10/10*	481	169 644 014
40	32	10/10*	759	169 644 015
50	40	10/10*	1263	169 644 016
63	50	10/10*	1728	169 644 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) With solvent cement spigots metric

Model:

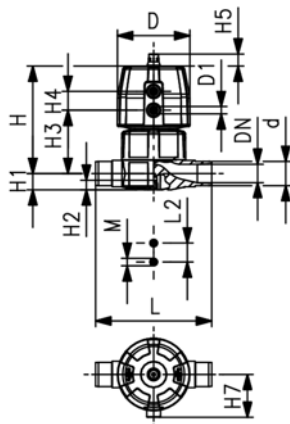
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

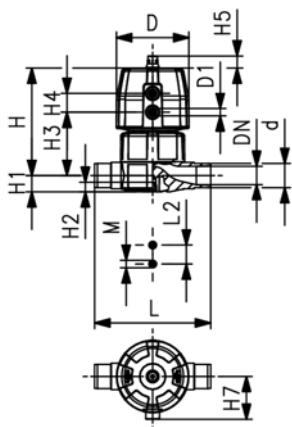
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	10/10*	125	169 645 012
25	20	10/10*	271	169 645 013
32	25	10/10*	481	169 645 014
40	32	10/10*	759	169 645 015
50	40	10/10*	1263	169 645 016
63	50	10/10*	1728	169 645 017

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

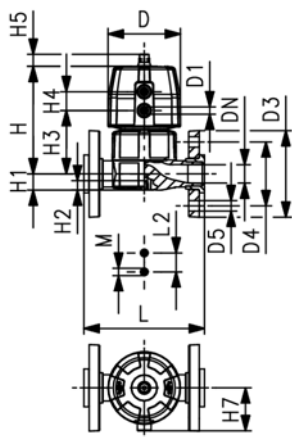
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	10/10*	125	169 647 112
25	20	10/10*	271	169 647 113
32	25	10/10*	481	169 647 114
40	32	10/10*	759	169 647 115
50	40	10/10*	1263	169 647 116
63	50	10/10*	1728	169 647 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



Diaphragm valve DIASTAR Ten ABS DA (Double acting) Unions with solvent cement sockets metric

Model:

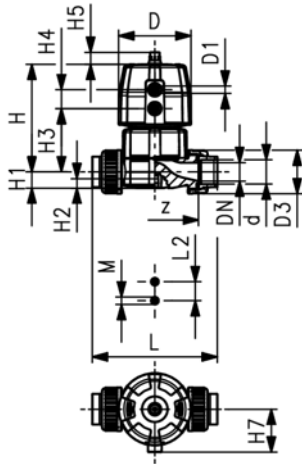
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 654 012	
25	20	10/10*	271	169 654 013	
32	25	10/10*	481	169 654 014	
40	32	10/10*	759	169 654 015	
50	40	10/10*	1263	169 654 016	
63	50	10/10*	1728	169 654 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13	
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15	
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19	
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23	



Diaphragm valve DIASTAR Ten ABS DA (Double acting) With solvent cement spigots metric

Model:

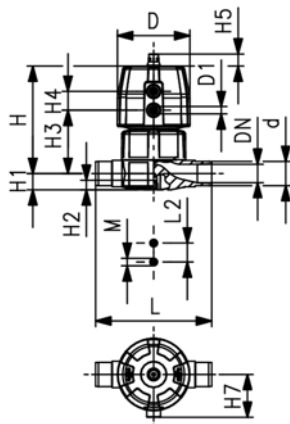
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

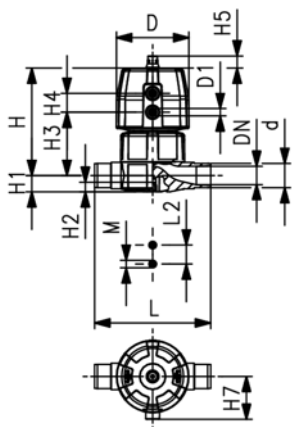
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 655 012	
25	20	10/10*	271	169 655 013	
32	25	10/10*	481	169 655 014	
40	32	10/10*	759	169 655 015	
50	40	10/10*	1263	169 655 016	
63	50	10/10*	1728	169 655 017	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



Diaphragm valve DIASTAR Ten ABS DA (Double acting) With backing flanges PP-V metric/BS

Model:

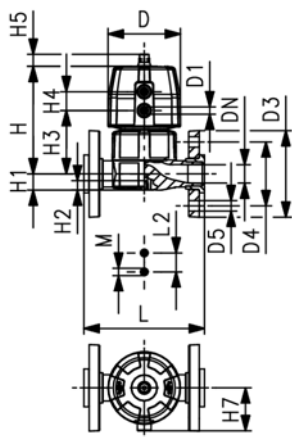
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 657 112	
25	20	10/10*	271	169 657 113	
32	25	10/10*	481	169 657 114	
40	32	10/10*	759	169 657 115	
50	40	10/10*	1263	169 657 116	
63	50	10/10*	1728	169 657 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	57	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) Unions with solvent cement sockets metric

Model:

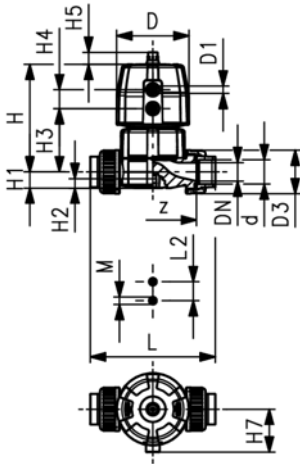
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 684 012	
25	20	10/10*	271	169 684 013	
32	25	10/10*	481	169 684 014	
40	32	10/10*	759	169 684 015	
50	40	10/10*	1263	169 684 016	
63	50	10/10*	1728	169 684 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	96	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10	
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	122	13	
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	140	15	
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	160	19	
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	190	23	



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) With solvent cement spigots metric

Model:

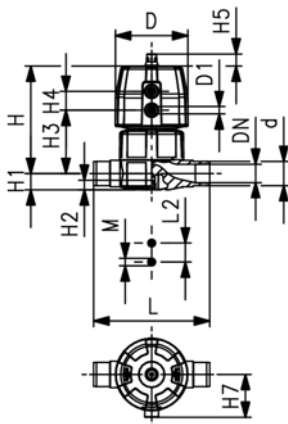
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

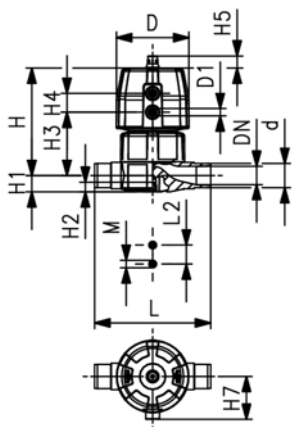
* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	10/10*	125	169 685 012	
25	20	10/10*	271	169 685 013	
32	25	10/10*	481	169 685 014	
40	32	10/10*	759	169 685 015	
50	40	10/10*	1263	169 685 016	
63	50	10/10*	1728	169 685 017	

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

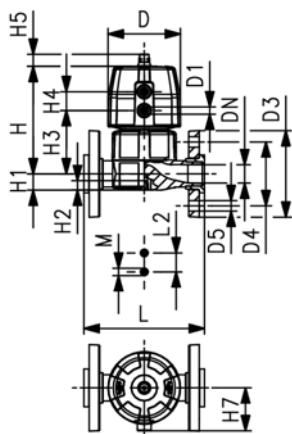
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



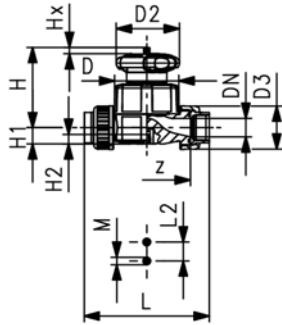
d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
20	15	10/10*	125	169 687 112
25	20	10/10*	271	169 687 113
32	25	10/10*	481	169 687 114
40	32	10/10*	759	169 687 115
50	40	10/10*	1263	169 687 116
63	50	10/10*	1728	169 687 117

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23

Diaphragm valves new generation

Diaphragm valve type 514 ABS With solvent cement sockets BS



Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	169 514 512	169 514 532
3/4	20	10	271	169 514 513	169 514 533
1	25	10	481	169 514 514	169 514 534
1 1/4	32	10	759	169 514 515	169 514 535
1 1/2	40	10	1263	169 514 516	169 514 536
2	50	10	1728	169 514 517	169 514 537

Inch	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	65	65	43	128	25	73	14	12	M6	96	7
3/4	80	65	51	152	25	81	18	12	M6	114	10
1	88	87	58	166	25	107	22	12	M6	122	13
1 1/4	101	87	72	192	45	115	26	15	M8	140	15
1 1/2	117	135	83	222	45	148	32	15	M8	160	19
2	144	135	100	266	45	166	39	15	M8	190	25

Diaphragm valves pneumatic

New generation

Diaphragm valve DIASTAR Six ABS FC (Fail safe to close)

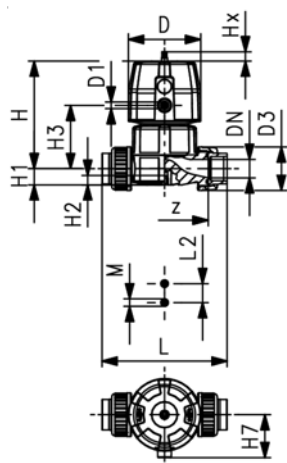
Unions with solvent cement sockets BS

Model:

- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	6	125	169 614 512	
3/4	20	6	271	169 614 513	
1	25	6	481	169 614 514	
1 1/4	32	6	759	169 614 515	
1 1/2	40	6	960	169 614 516	
2	50	6	1181	169 614 517	

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
1/2	68	1/4	128	25	101	14	12	60	43	M6	96	7	
3/4	96	1/4	152	25	132	18	12	73	57	M6	114	10	
1	96	1/4	166	25	143	22	12	84	57	M6	122	13	
1 1/4	120	1/4	192	45	173	26	15	99	69	M8	140	14	
1 1/2	120	1/4	222	45	193	32	15	119	69	M8	160	16	
2	120	1/4	266	45	205	39	15	132	69	M8	190	16	

Diaphragm valve DIASTAR Ten ABS FC (Fail safe to close)

Unions with solvent cement sockets BS

Model:

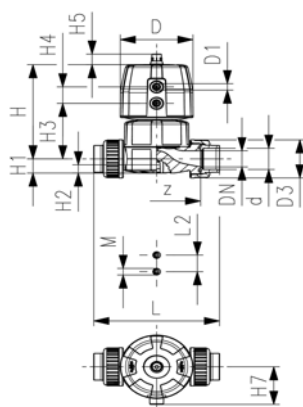
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

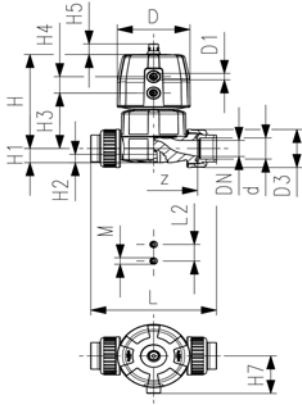
* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN*	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
1/2	15	10/10*	125	169 624 512	
3/4	20	10/10*	271	169 624 513	
1	25	10/10*	481	169 624 514	
1 1/4	32	10/10*	759	169 624 515	
1 1/2	40	10/10*	1263	169 624 516	
2	50	10/10*	1728	169 624 517	

table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS FO (Fail safe to open) Unions with solvent cement sockets BS

Model:

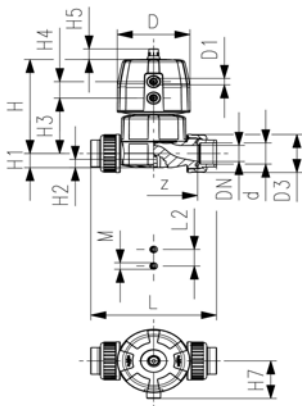
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code
1/2	15	10/10*	125	169 644 512
3/4	20	10/10*	271	169 644 513
1	25	10/10*	481	169 644 514
1 1/4	32	10/10*	759	169 644 515
1 1/2	40	10/10*	1263	169 644 516
2	50	10/10*	1728	169 644 517

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	1/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	1/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	1/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	1/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR Ten ABS DA (Double acting) Unions with solvent cement sockets BS

Model:

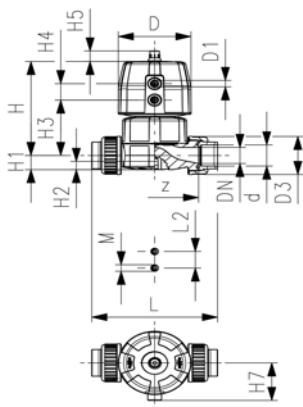
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	10/10*	125	169 654 512
3/4	20	10/10*	271	169 654 513
1	25	10/10*	481	169 654 514
1 1/4	32	10/10*	759	169 654 515
1 1/2	40	10/10*	1263	169 654 516
2	50	10/10*	1728	169 654 517

Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
1/2	68	3/8	128	25	101	14	12	60	24	16	43	M6	96	7
3/4	96	3/8	152	25	132	18	12	73	25	16	57	M6	114	10
1	96	3/8	166	25	143	22	12	84	25	16	57	M6	122	13
1 1/4	120	3/8	192	45	173	26	15	99	26	26	69	M8	140	15
1 1/2	150	1/4	222	45	214	32	15	119	36	26	88	M8	160	19
2	150	1/4	266	45	226	39	15	132	36	26	88	M8	190	23



Diaphragm valve DIASTAR TenPlus ABS FC (Fail safe to close) Unions with solvent cement sockets BS

Model:

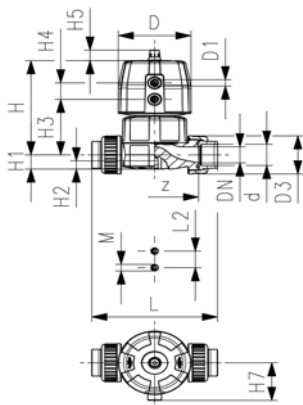
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

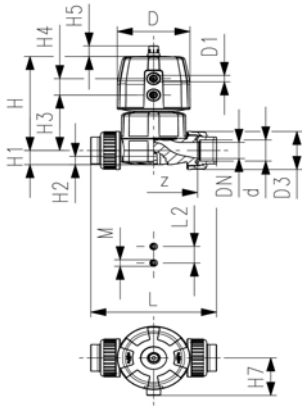
* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
1/2	15	10/10*	125	169 684 512
3/4	20	10/10*	271	169 684 513
1	25	10/10*	481	169 684 514
1 1/4	32	10/10*	759	169 684 515
1 1/2	40	10/10*	1263	169 684 516
2	50	10/10*	1728	169 684 517

table continued next page



Inch	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
½	96	⅝	128	25	127	14	12	68	25	16	57	M6	96	7
¾	96	⅝	152	25	132	18	12	73	25	16	57	M6	114	10
1	120	⅝	166	25	167	22	12	93	26	26	69	M6	122	13
1 ¼	150	¾	192	45	196	26	15	101	36	26	88	M8	140	15
1 ½	180	¾	222	45	239	32	15	124	37	26	103	M8	160	19
2	180	¾	266	45	251	39	15	137	37	26	103	M8	190	23

Copiable

Configurator +GF+ Diaphragm Valve

Valve body type

- A20 Type 514 - True Union Design
- A21 Type 515 - Spigots
- A22 Type 517 - Flanges
- A23 Type 519 - Branched type

Material

- B05 PP-H
- B06 PP-n
- B15 PVDF
- B16 PVDF HP

Dimension - 2/2 valve (type 514...517)

- C06 DN 15 1/2"
- C07 DN 20 3/4"
- C08 DN 25 1"
- C09 DN 32 1 1/4"
- C10 DN 40 1 1/2"
- C11 DN 50 2"

Dimension - branched type (type 519)

- C50 DN15-15
- C51 DN20-15
- C52 DN20-20
- C53 DN25-15
- C54 DN25-20
- C55 DN25-25
- C56 DN32-15
- C57 DN32-20
- C58 DN32-25
- C59 DN32-32
- C60 DN40-15
- C61 DN40-20
- C62 DN40-25
- C63 DN40-32
- C64 DN40-40
- C65 DN50-15
- C66 DN50-20
- C67 DN50-25
- C68 DN50-32
- C69 DN50-40
- C70 DN50-50
- C71 DN65-32
- C72 DN65-40
- C73 DN65-50
- C74 DN80-15
- C75 DN80-20
- C76 DN80-25
- C77 DN80-40
- C78 DN80-50
- C79 DN100-15
- C80 DN100-20
- C81 DN100-25
- C82 DN100-40
- C83 DN100-50

Version

- D11 standard
- D05 silicone free / oil free

Diaphragm

- E01 EPDM
- E02 FPM
- E11 NBR
- E12 PTFE/EPDM
- E04 PTFE/FPM



Example:

Diastar Sixteen FC with PP-H valve body type 514 and PE butt fusion spigots, FPM diaphragm, DN25

Connecting parts

- H30 PP-H Fusion socket metric
- H32 PP-H Socket fusion spigot metric
- H35 PP-H Butt fusion spigot SDR11 metric IR-PLUS
- H40 PE-80 Fusion socket metric
- H41 PE-100 Butt fusion spigot SDR11 metric
- H43 PE-100 Butt fusion spigot long SDR11 metric
- H46 PP-n Butt fusion spigot SDR11 metric
- H50 PVDF Fusion socket metric
- H51 PVDF Socket fusion spigot metric
- H52 PVDF Butt fusion spigot SDR11 metric IR-PLUS
- H64 Fixed flange PVDF metric
- H65 Fixed flange PP-H JIS
- H66 Fixed flange PVDF JIS
- H72 PPH Backing flange PP-steel metric with PP-H endings
- H72 PVDF Backing flange PP-steel metric with PVDF endings
- H73 PPH Backing flange PP-steel Zoll ANSI with PP-H endings
- H73 PVDF Backing flange PP-steel Zoll ANSI with PVDF endings
- H74 PPH Backing flange PP-V metric with PP-H endings
- H74 PVDF Backing flange PP-V metric with PVDF endings
- H75 PPH Backing flange PP-V ANSI with PP-H endings
- H75 PVDF Backing flange PP-V ANSI with PVDF endings
- H76 Backing flange PP-GF JIS with PVDF endings
- H77 Backing flange PP-GF JIS with PP-H endings
- H85 PVDF valve end blank
- H86 PVDF-HP sterilisation port

Electrical feedback

- I33 Electrical feedback with Ag, Ni limit switches
- I34 Electrical feedback with Au limit switches

Manual actuated: pressure tight housing

- K30 Bonnet pressure tight
- K31 Bonnet not pressure tight

Pressure range

- M01 PN10
- M02 PN16

Pneumatic actuator DIASTAR

- P40 DIASTAR Six FC fail safe to close
- P43 DIASTAR Ten FC fail safe to close
- P44 DIASTAR Sixteen FC fail safe to close
- P45 DIASTAR Sixteen FO fail safe to open
- P46 DIASTAR Sixteen DA double acting
- P47 DIASTAR Ten FO fail safe to open
- P48 DIASTAR Ten DA double acting

A20 B05 C08 D11 E02

H43 I K M P44 =

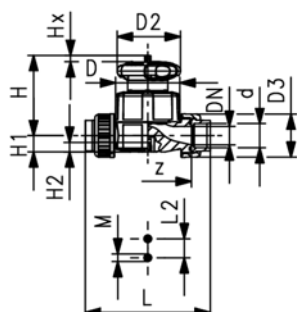


Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 514

With fusion sockets metric



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

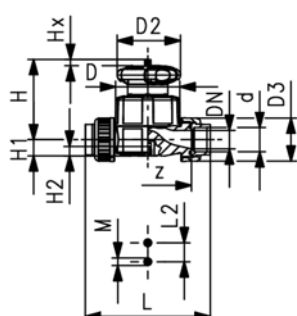
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	167 514 002	167 514 012	167 514 032	167 514 062
25	20	10	271	167 514 003	167 514 013	167 514 033	167 514 063
32	25	10	481	167 514 004	167 514 014	167 514 034	167 514 064
40	32	10	759	167 514 005	167 514 015	167 514 035	167 514 065
50	40	10	1263	167 514 006	167 514 016	167 514 036	167 514 066
63	50	10	1728	167 514 007	167 514 017	167 514 037	167 514 067

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]
20	65	65	48	128	25	73	14	12	M6	100	7
25	80	65	58	150	25	81	18	12	M6	118	10
32	88	87	65	162	25	107	22	12	M6	126	13
40	101	87	79	184	45	115	26	15	M8	144	15
50	117	135	91	210	45	148	32	15	M8	164	19
63	144	135	111	248	45	166	39	15	M8	194	25

PROGEF Standard

Diaphragm valve type 514

With fusion sockets PE80 metric



Model:

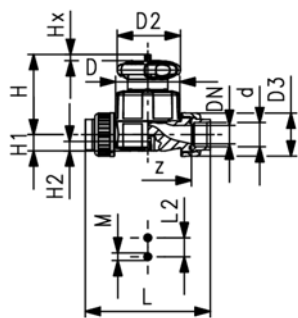
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 514 212	167 514 232
25	20	10	271	167 514 213	167 514 233
32	25	10	481	167 514 214	167 514 234
40	32	10	759	167 514 215	167 514 235
50	40	10	1263	167 514 216	167 514 236
63	50	10	1728	167 514 217	167 514 237

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	48	128	25	73	14	12	M6	100	7	
25	80	65	58	150	25	81	18	12	M6	118	10	
32	88	87	65	162	25	107	22	12	M6	126	13	
40	101	87	79	184	45	115	26	15	M8	144	15	
50	117	135	91	210	45	148	32	15	M8	164	19	
63	144	135	111	248	45	166	39	15	M8	194	25	



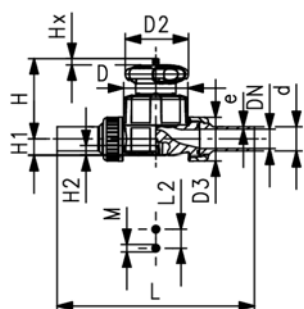
PROGEF Standard Diaphragm valve type 514 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

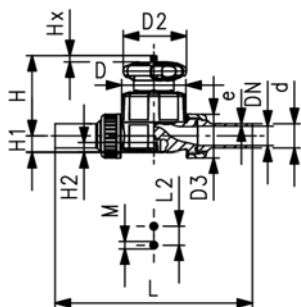
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 514 102	167 514 112	167 514 132	167 514 162	
25	20	10	271	167 514 103	167 514 113	167 514 133	167 514 163	
32	25	10	481	167 514 104	167 514 114	167 514 134	167 514 164	
40	32	10	759	167 514 105	167 514 115	167 514 135	167 514 165	
50	40	10	1263	167 514 106	167 514 116	167 514 136	167 514 166	
63	50	10	1728	167 514 107	167 514 117	167 514 137	167 514 167	

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/FPM Code	
20	15	10	125	800 047 314	
25	20	10	271	800 047 316	
32	25	10	481	800 047 317	
40	32	10	759	800 047 318	
50	40	10	1263	800 047 319	
63	50	10	1728	800 047 320	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	48	196	25	73	14	12	M6	7	1.9	
25	80	65	58	221	25	81	18	12	M6	10	2.3	
32	88	87	65	234	25	107	22	12	M6	13	2.9	
40	101	87	79	260	45	115	26	15	M8	15	3.7	
50	117	135	91	284	45	148	32	15	M8	19	4.6	
63	144	135	111	321	45	166	39	15	M8	25	5.8	



PROGEF Standard Diaphragm valve type 514 With butt and electro fusion ends PE100 SDR11 metric

Model:

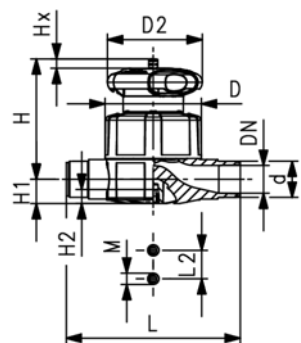
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 312	167 514 332	
25	20	10	271	167 514 313	167 514 333	
32	25	10	481	167 514 314	167 514 334	
40	32	10	759	167 514 315	167 514 335	
50	40	10	1263	167 514 316	167 514 336	
63	50	10	1728	167 514 317	167 514 337	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	48	196	25	73	14	12	M6	7	1,9	
25	80	65	58	221	25	81	18	12	M6	10	2,3	
32	88	87	65	234	25	107	22	12	M6	13	2,9	
40	101	87	79	260	45	115	26	15	M8	15	3,7	
50	117	135	91	284	45	148	32	15	M8	19	4,6	
63	144	135	111	321	45	166	39	15	M8	25	5,8	



PROGEF Standard Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

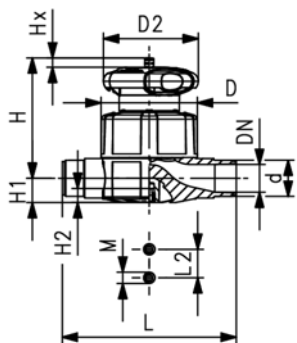
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 515 002	167 515 012	167 515 032	167 515 062	
25	20	10	271	167 515 003	167 515 013	167 515 033	167 515 063	
32	25	10	481	167 515 004	167 515 014	167 515 034	167 515 064	
40	32	10	759	167 515 005	167 515 015	167 515 035	167 515 065	
50	40	10	1263	167 515 006	167 515 016	167 515 036	167 515 066	
63	50	10	1728	167 515 007	167 515 017	167 515 037	167 515 067	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



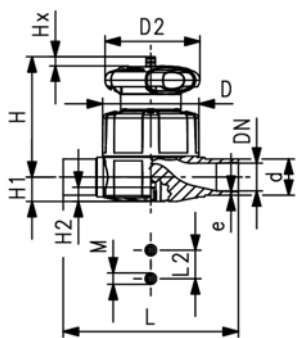
PROGEF Standard Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

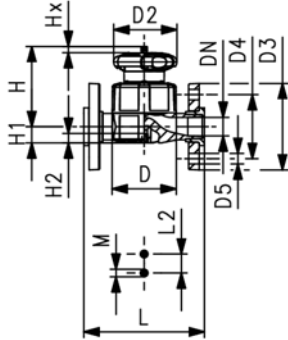
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	
20	15	10	125	167 515 102	167 515 112	167 515 132	167 515 162	
25	20	10	271	167 515 103	167 515 113	167 515 133	167 515 163	
32	25	10	481	167 515 104	167 515 114	167 515 134	167 515 164	
40	32	10	759	167 515 105	167 515 115	167 515 135	167 515 165	
50	40	10	1263	167 515 106	167 515 116	167 515 136	167 515 166	
63	50	10	1728	167 515 107	167 515 117	167 515 137	167 515 167	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	155	25	107	22	12	M6	13	2.9	
40	101	87	176	45	115	26	15	M8	15	3.7	
50	117	135	193	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



PROGEF Standard Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

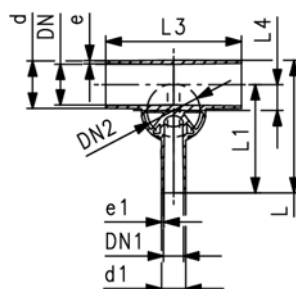
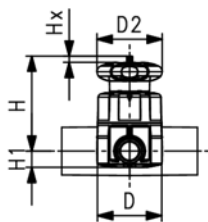
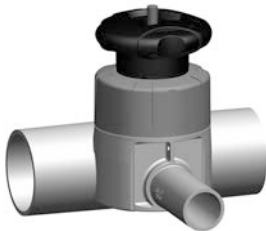
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code
20	15	10	125	167 517 102	167 517 112	167 517 132	167 517 162
25	20	10	271	167 517 103	167 517 113	167 517 133	167 517 163
32	25	10	481	167 517 104	167 517 114	167 517 134	167 517 164
40	32	10	759	167 517 105	167 517 115	167 517 135	167 517 165
50	40	10	1263	167 517 106	167 517 116	167 517 136	167 517 166
63	50	10	1728	167 517 107	167 517 117	167 517 137	167 517 167

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13
40	101	87	140	100	18	180	45	115	26	15	M8	15
50	117	135	150	110	18	200	45	148	32	15	M8	19
63	144	135	165	125	18	230	45	166	39	15	M8	25



PROGEF Standard Diaphragm valve type 519 With butt fusion spigots metric

Model:

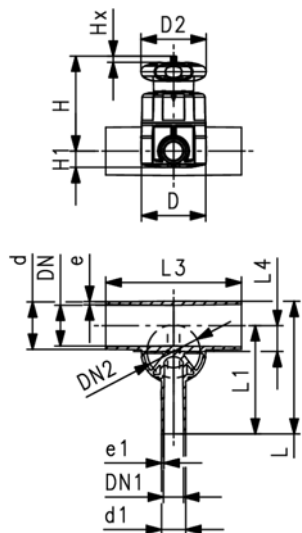
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	20	15	15	15	10	57	167 519 101	167 519 301
25	20	25	20	15	20	10	89	167 519 103	167 519 303
25	25	25	20	20	20	10	118	167 519 104	167 519 304
32	20	25	25	15	20	10	80	167 519 107	167 519 307
32	25	25	25	20	20	10	105	167 519 108	167 519 308
32	32	32	25	25	25	10	231	167 519 109	167 519 309
40	20	32	32	15	25	10	85	167 519 112	167 519 312
50	20	25	40	15	20	10	86	167 519 118	167 519 318
50	25	32	40	20	25	10	160	167 519 119	167 519 319
50	32	32	40	25	25	10	206	167 519 120	167 519 320

table continued next page



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
63	20	25	50	15	20	10	84	167 519 125	167 519 325
63	25	32	50	20	25	10	150	167 519 126	167 519 326
63	32	32	50	25	25	10	184	167 519 127	167 519 327

d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	65	65	117	96	162	12	75	7	1.9	1.9
25	80	65	133	108	162	16	80	10	2.3	1.9
25	80	65	133	108	162	16	80	10	2.3	2.3
32	80	65	142	120	162	19	84	10	2.9	1.9
32	80	65	142	120	162	19	84	10	2.9	2.3
32	88	87	145	120	160	19	107	13	2.9	2.9
40	88	87	149	128	180	23	115	13	3.7	1.9
50	80	65	160	134	180	27	97	10	4.6	1.9
50	88	87	160	134	180	28	120	13	4.6	2.3
50	88	87	160	134	180	28	120	13	4.6	2.9
63	80	65	177	144	180	33	104	10	5.8	1.9
63	88	87	177	144	180	35	127	13	5.8	2.3
63	88	87	177	144	180	35	127	13	5.8	2.9

Diaphragm valves pneumatic

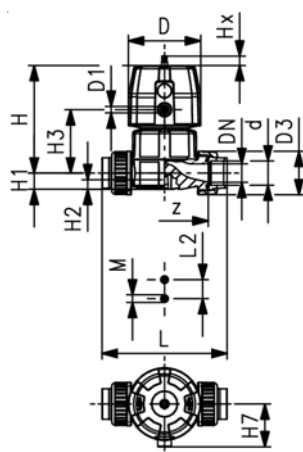
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

Unions with fusion sockets metric



Model:

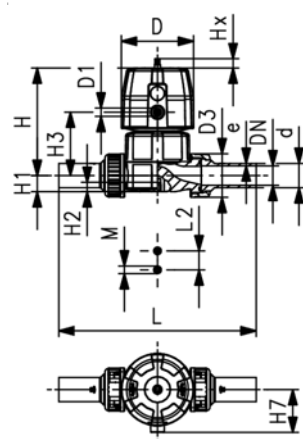
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
20	15	6	125	167 614 012
25	20	6	271	167 614 013
32	25	6	481	167 614 014
40	32	6	759	167 614 015
50	40	6	960	167 614 016
63	50	6	1181	167 614 017

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	69	M8	144	14
50	120	1/8	210	45	193	32	15	119	69	M8	164	16
63	120	1/8	248	45	205	39	15	132	69	M8	194	16



PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

Unions with butt fusion spigots SDR11 metric

Model:

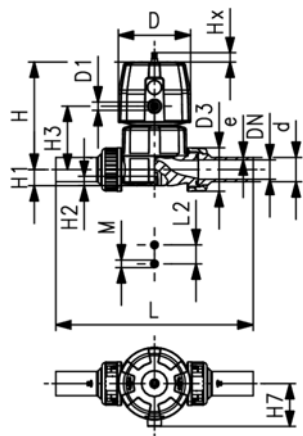
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
20	15	6	125	167 614 112	800 047 261
25	20	6	271	167 614 113	800 047 262
32	25	6	481	167 614 114	800 047 263
40	32	6	759	167 614 115	800 047 259
50	40	6	960	167 614 116	800 047 264
63	50	6	1181	167 614 117	800 047 265

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	196	25	101	14	12	60	43	M6	7	1.9	
25	96	1/8	221	25	132	18	12	73	57	M6	10	2.3	
32	96	1/8	234	25	143	22	12	84	57	M6	13	2.9	
40	120	1/8	260	45	173	26	15	99	69	M8	14	3.7	
50	120	1/8	284	45	193	32	15	119	69	M8	16	4.6	
63	120	1/8	321	45	205	39	15	132	69	M8	16	5.8	



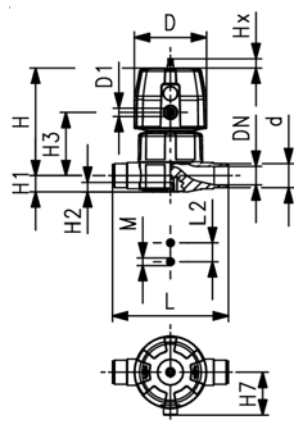
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	
20	15	6	125	167 615 012	
25	20	6	271	167 615 013	
32	25	6	481	167 615 014	
40	32	6	759	167 615 015	
50	40	6	960	167 615 016	
63	50	6	1181	167 615 017	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7	
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6	
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8	



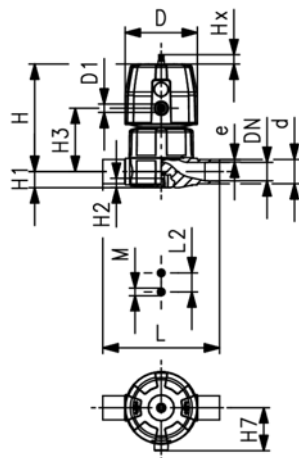
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	167 615 112	
25	20	6	271	167 615 113	
32	25	6	481	167 615 114	
40	32	6	759	167 615 115	
50	40	6	960	167 615 116	
63	50	6	1181	167 615 117	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7	
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6	
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8	



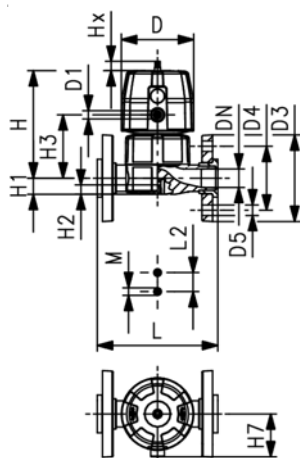
PROGEF Standard Diaphragm valve DIASTAR Six FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

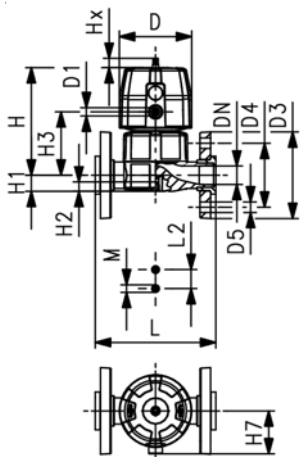
- Individual configuration of the valve (see diagram)



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	167 617 112	
25	20	6	271	167 617 113	
32	25	6	481	167 617 114	
40	32	6	759	167 617 115	
50	40	6	960	167 617 116	
63	50	6	1181	167 617 117	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	95	65	14	130	25	101	14	12	60	43	M6	7	
25	96	1/8	105	75	14	150	25	132	18	12	73	57	M6	10	
32	96	1/8	115	85	14	160	25	143	22	12	84	69	M6	13	

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d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
40	120	1/8	140	100	18	180	45	173	26	15	99	69	M8	14
50	120	1/8	150	110	18	200	45	193	32	15	119	69	M8	16
63	120	1/8	165	125	18	230	45	205	39	15	132	69	M8	16



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) Unions with fusion sockets metric

Model:

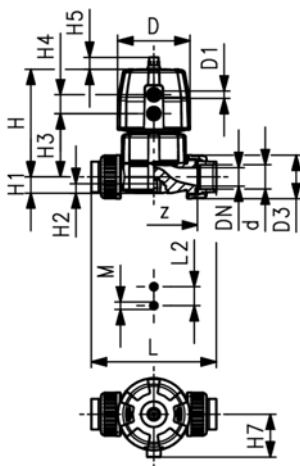
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 624 012	167 624 062	167 624 032	167 624 052
25	20	10/10*	271	167 624 013	167 624 063	167 624 033	167 624 053
32	25	10/10*	481	167 624 014	167 624 064	167 624 034	167 624 054
40	32	10/10*	759	167 624 015	167 624 065	167 624 035	167 624 055
50	40	10/10*	1263	167 624 016	167 624 066	167 624 036	167 624 056
63	50	10/6*	1728	167 624 017	167 624 067	167 624 037	167 624 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) Unions with butt fusion spigots SDR11 metric

Model:

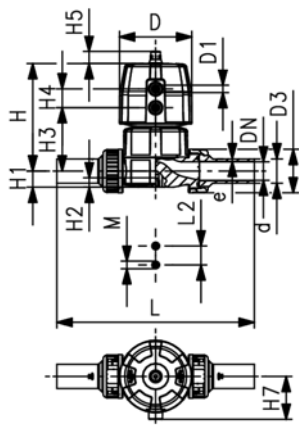
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 624 112	167 624 162	167 624 132	167 624 152
25	20	10/10*	271	167 624 113	167 624 163	167 624 133	167 624 153
32	25	10/10*	481	167 624 114	167 624 164	167 624 134	167 624 154
40	32	10/10*	759	167 624 115	167 624 165	167 624 135	167 624 155
50	40	10/10*	1263	167 624 116	167 624 166	167 624 136	167 624 156
63	50	10/6*	1728	167 624 117	167 624 167	167 624 137	167 624 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With socket fusion spigots metric

Model:

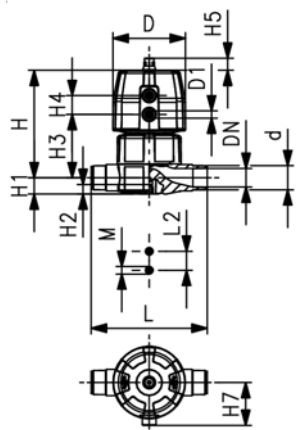
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

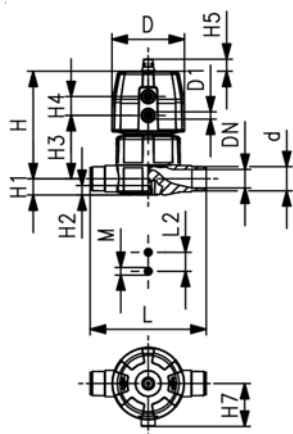
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 625 012	167 625 032
25	20	10/10*	271	167 625 013	167 625 033
32	25	10/10*	481	167 625 014	167 625 034
40	32	10/10*	759	167 625 015	167 625 035
50	40	10/10*	1263	167 625 016	167 625 036
63	50	10/6*	1728	167 625 017	167 625 037

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

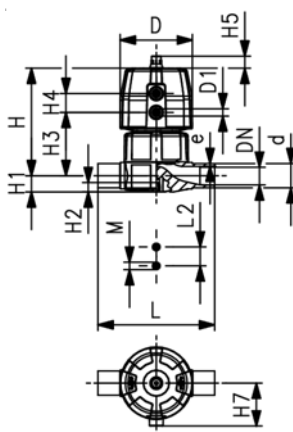
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 625 112	167 625 132
25	20	10/10*	271	167 625 113	167 625 133
32	25	10/10*	481	167 625 114	167 625 134
40	32	10/10*	759	167 625 115	167 625 135
50	40	10/10*	1263	167 625 116	167 625 136
63	50	10/6*	1728	167 625 117	167 625 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **FC (Fail safe to close)** **With backing flanges PP-V metric/BS**

Model:

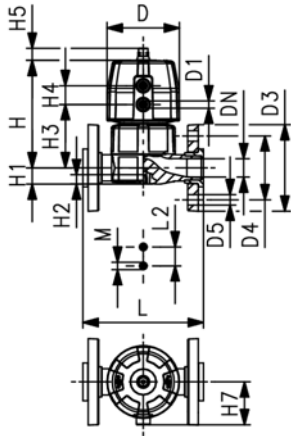
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	167 627 112	167 627 162	167 627 132	167 627 152	
25	20	10/10*	271	167 627 113	167 627 163	167 627 133	167 627 153	
32	25	10/10*	481	167 627 114	167 627 164	167 627 134	167 627 154	
40	32	10/10*	759	167 627 115	167 627 165	167 627 135	167 627 155	
50	40	10/10*	1263	167 627 116	167 627 166	167 627 136	167 627 156	
63	50	10/6*	1728	167 627 117	167 627 167	167 627 137	167 627 157	

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with fusion sockets metric

Model:

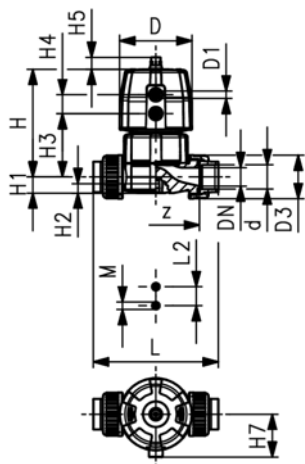
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 644 012	167 644 032
25	20	10/10*	271	167 644 013	167 644 033
32	25	10/10*	481	167 644 014	167 644 034
40	32	10/10*	759	167 644 015	167 644 035
50	40	10/10*	1263	167 644 016	167 644 036
63	50	10/10*	1728	167 644 017	167 644 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with butt fusion spigots SDR11 metric

Model:

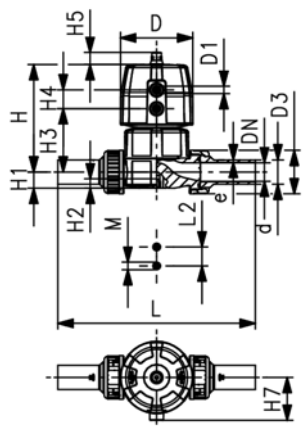
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

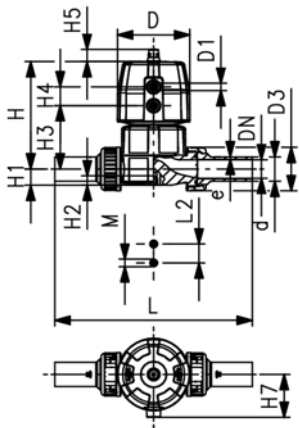
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 644 112	167 644 132
25	20	10/10*	271	167 644 113	167 644 133
32	25	10/10*	481	167 644 114	167 644 134
40	32	10/10*	759	167 644 115	167 644 135
50	40	10/10*	1263	167 644 116	167 644 136
63	50	10/10*	1728	167 644 117	167 644 137

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d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With socket fusion spigots metric

Model:

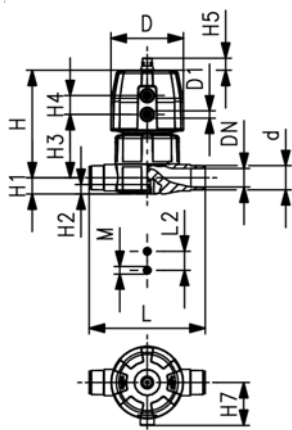
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

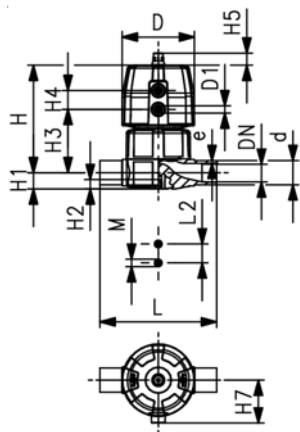
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 645 012	167 645 032
25	20	10/10*	271	167 645 013	167 645 033
32	25	10/10*	481	167 645 014	167 645 034
40	32	10/10*	759	167 645 015	167 645 035
50	40	10/10*	1263	167 645 016	167 645 036
63	50	10/10*	1728	167 645 017	167 645 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard **Diaphragm valve DIASTAR Ten** **FO (Fail safe to open)** **With butt fusion spigots SDR11 metric**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 645 112	167 645 132
25	20	10/10*	271	167 645 113	167 645 133
32	25	10/10*	481	167 645 114	167 645 134
40	32	10/10*	759	167 645 115	167 645 135
50	40	10/10*	1263	167 645 116	167 645 136
63	50	10/10*	1728	167 645 117	167 645 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

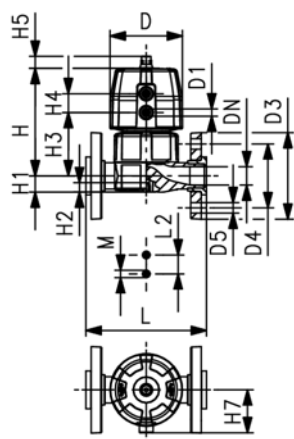
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 647 112	167 647 132
25	20	10/10*	271	167 647 113	167 647 133
32	25	10/10*	481	167 647 114	167 647 134
40	32	10/10*	759	167 647 115	167 647 135
50	40	10/10*	1263	167 647 116	167 647 136
63	50	10/10*	1728	167 647 117	167 647 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with fusion sockets metric

Model:

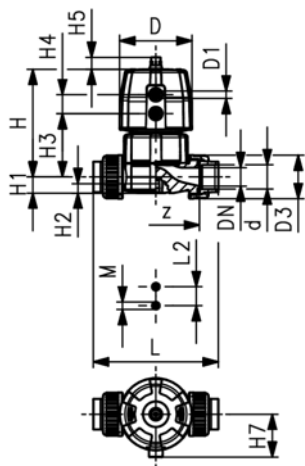
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 654 012	167 654 032
25	20	10/10*	271	167 654 013	167 654 033
32	25	10/10*	481	167 654 014	167 654 034
40	32	10/10*	759	167 654 015	167 654 035
50	40	10/10*	1263	167 654 016	167 654 036
63	50	10/10*	1728	167 654 017	167 654 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	166	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	192	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	222	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	266	45	226	39	15	132	36	26	88	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with butt fusion spigots SDR11 metric

Model:

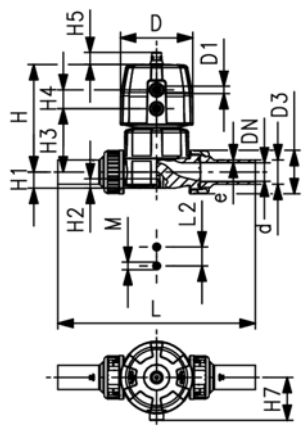
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

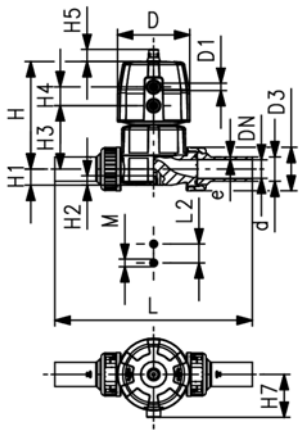
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 654 112	167 654 132
25	20	10/10*	271	167 654 113	167 654 133
32	25	10/10*	481	167 654 114	167 654 134
40	32	10/10*	759	167 654 115	167 654 135
50	40	10/10*	1263	167 654 116	167 654 136
63	50	10/10*	1728	167 654 117	167 654 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	4.6
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With socket fusion spigots metric

Model:

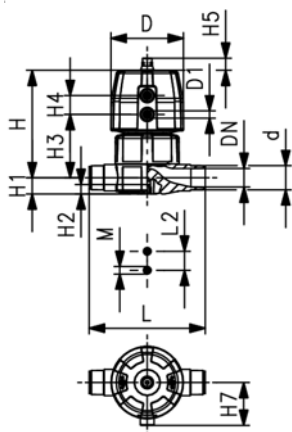
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

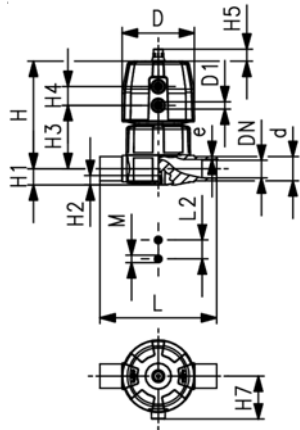
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 655 012	167 655 032
25	20	10/10*	271	167 655 013	167 655 033
32	25	10/10*	481	167 655 014	167 655 034
40	32	10/10*	759	167 655 015	167 655 035
50	40	10/10*	1263	167 655 016	167 655 036
63	50	10/10*	1728	167 655 017	167 655 037

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With butt fusion spigots SDR11 metric**

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

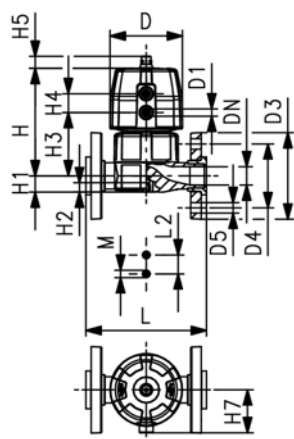
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 655 112	167 655 132
25	20	10/10*	271	167 655 113	167 655 133
32	25	10/10*	481	167 655 114	167 655 134
40	32	10/10*	759	167 655 115	167 655 135
50	40	10/10*	1263	167 655 116	167 655 136
63	50	10/10*	1728	167 655 117	167 655 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 657 112	167 657 132
25	20	10/10*	271	167 657 113	167 657 133
32	25	10/10*	481	167 657 114	167 657 134
40	32	10/10*	759	167 657 115	167 657 135
50	40	10/10*	1263	167 657 116	167 657 136
63	50	10/10*	1728	167 657 117	167 657 137

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	88	M8
50	150	1/4	150	110	18	200	45	214	32	15	119	36	26	103	M8
63	150	1/4	165	125	18	230	45	226	39	15	132	36	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

Unions with fusion sockets metric

Model:

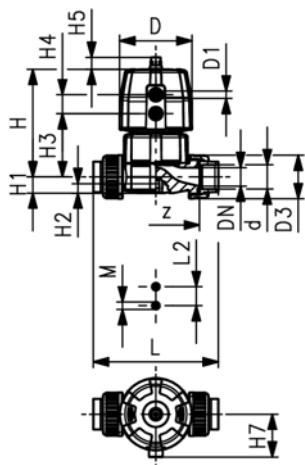
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	167 684 012	167 684 062	167 684 032	167 684 052	
25	20	10/10*	271	167 684 013	167 684 063	167 684 033	167 684 053	
32	25	10/10*	481	167 684 014	167 684 064	167 684 034	167 684 054	
40	32	10/10*	759	167 684 015	167 684 065	167 684 035	167 684 055	
50	40	10/10*	1263	167 684 016	167 684 066	167 684 036	167 684 056	
63	50	10/10*	1728	167 684 017	167 684 067	167 684 037	167 684 057	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]	
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7	
25	96	1/8	152	25	132	18	12	73	25	16	57	M6	118	10	
32	120	1/8	166	25	167	22	12	93	26	26	69	M6	126	13	
40	150	1/4	192	45	196	26	15	101	36	26	88	M8	144	15	
50	180	1/4	222	45	239	32	15	124	37	26	103	M8	164	19	
63	180	1/4	266	45	251	39	15	137	37	26	103	M8	194	23	



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

Unions with fusion sockets PE80 metric

Model:

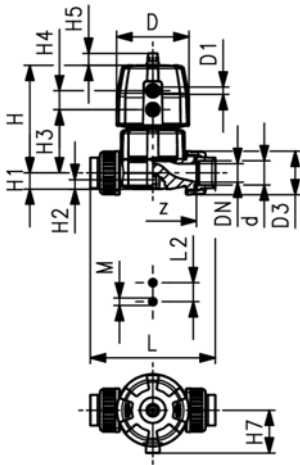
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

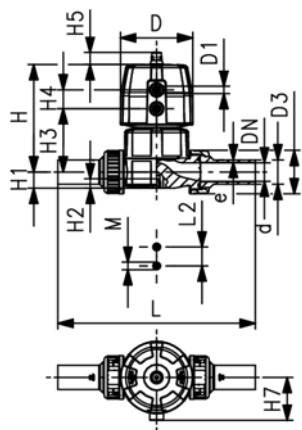
* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	156	167 684 212	167 684 232
25	20	10/10*	276	167 684 213	167 684 233
32	25	10/10*	561	167 684 214	167 684 234
40	32	10/10*	684	167 684 215	167 684 235
50	40	10/10*	950	167 684 216	167 684 236
63	50	10/10*	1425	167 684 217	167 684 237

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	120	1/8	162	25	167	22	12	93	26	26	69	M6	126	13
40	150	1/4	184	45	196	26	15	101	36	26	88	M8	144	15
50	180	1/4	210	45	239	32	15	124	37	26	103	M8	164	19
63	180	1/4	248	45	251	39	15	137	37	26	103	M8	194	23



PROGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with butt fusion spigots SDR11 metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

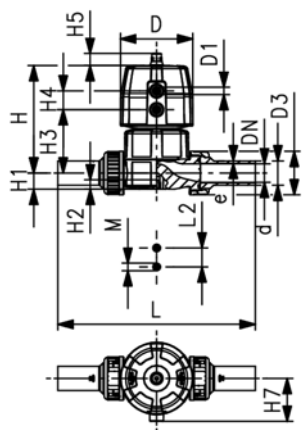
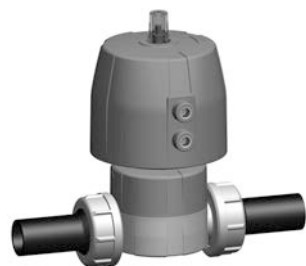
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 684 112	167 684 162	167 684 132	167 684 152
25	20	10/10*	271	167 684 113	167 684 163	167 684 133	167 684 153
32	25	10/10*	481	167 684 114	167 684 164	167 684 134	167 684 154
40	32	10/10*	759	167 684 115	167 684 165	167 684 135	167 684 155
50	40	10/10*	1263	167 684 116	167 684 166	167 684 136	167 684 156
63	50	10/10*	1728	167 684 117	167 684 167	167 684 137	167 684 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with butt fusion spigots PE100 SDR11 metric

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length

Option:

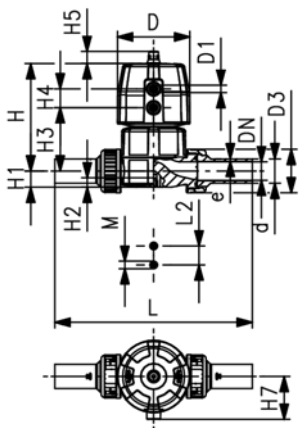
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	156	167 684 312	167 684 332
25	20	10/10*	276	167 684 313	167 684 333
32	25	10/10*	561	167 684 314	167 684 334

table continued next page



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code									
40	32	10/10*	684	167 684 315	167 684 335									
50	40	10/10*	950	167 684 316	167 684 336									
63	50	10/10*	1425	167 684 317	167 684 337									

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	3.0
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) With socket fusion spigots metric

Model:

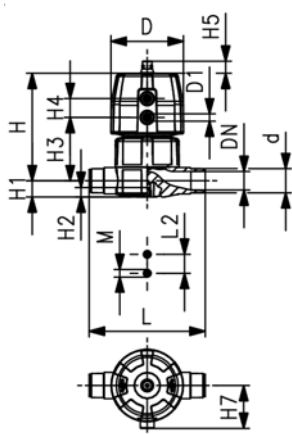
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

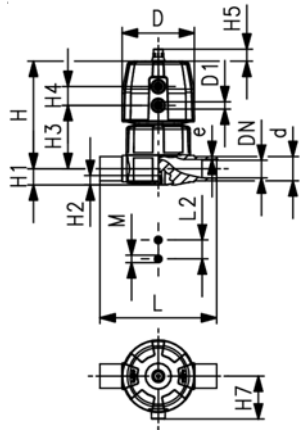
* PN: PTFE

Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code									
20	15	10/10*	125	167 685 012	167 685 032									
25	20	10/10*	271	167 685 013	167 685 033									
32	25	10/10*	481	167 685 014	167 685 034									
40	32	10/10*	759	167 685 015	167 685 035									
50	40	10/10*	1263	167 685 016	167 685 036									
63	50	10/10*	1728	167 685 017	167 685 037									

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard **Diaphragm valve DIASTAR TenPlus** **FC (Fail safe to close)** **With butt fusion spigots SDR11 metric**

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor

Option:

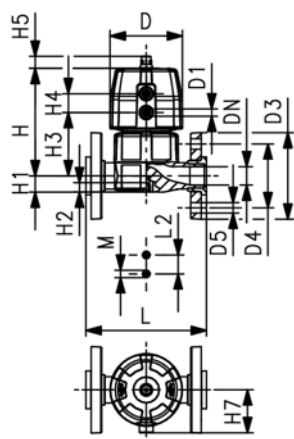
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10/10*	125	167 685 112	167 685 132
25	20	10/10*	271	167 685 113	167 685 133
32	25	10/10*	481	167 685 114	167 685 134
40	32	10/10*	759	167 685 115	167 685 135
50	40	10/10*	1263	167 685 116	167 685 136
63	50	10/10*	1728	167 685 117	167 685 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.9
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	3.7
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	4.6
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	5.8



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With backing flanges PP-V metric/BS

Model:

- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Double flow rate compared to predecessor
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	167 687 112	167 687 162	167 687 132	167 687 152
25	20	10/10*	271	167 687 113	167 687 163	167 687 133	167 687 153
32	25	10/10*	481	167 687 114	167 687 164	167 687 134	167 687 154
40	32	10/10*	759	167 687 115	167 687 165	167 687 135	167 687 155
50	40	10/10*	1263	167 687 116	167 687 166	167 687 136	167 687 156
63	50	10/10*	1728	167 687 117	167 687 167	167 687 137	167 687 157

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots SDR11 metric

Model:

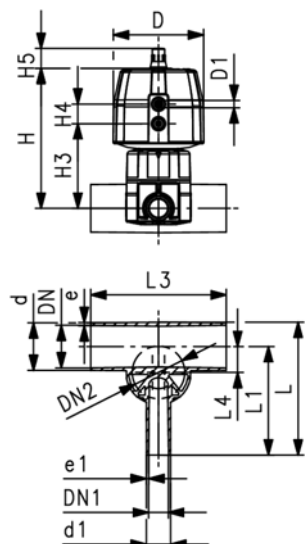
- Material: PP-H
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Double flow rate compared to predecessor
- For easy installation and removal
- Short overall length
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	20	15	15	15	10/10*	57	167 689 101	167 689 301
25	20	25	20	15	20	10/10*	89	167 689 103	167 689 303
25	25	25	20	20	20	10/10*	118	167 689 104	167 689 304
32	20	25	25	15	20	10/10*	80	167 689 107	167 689 307
32	25	25	25	20	20	10/10*	105	167 689 108	167 689 308
32	32	32	25	25	25	10/10*	231	167 689 109	167 689 309
40	20	32	32	15	25	10/10*	85	167 689 112	167 689 312
50	20	25	40	15	20	10/10*	86	167 689 118	167 689 318
50	25	32	40	20	25	10/10*	160	167 689 119	167 689 319
50	32	32	40	25	25	10/10*	206	167 689 120	167 689 320
63	20	25	50	15	20	10/10*	84	167 689 125	167 689 325
63	25	32	50	20	25	10/10*	150	167 689 126	167 689 326
63	32	32	50	25	25	10/10*	184	167 689 127	167 689 327

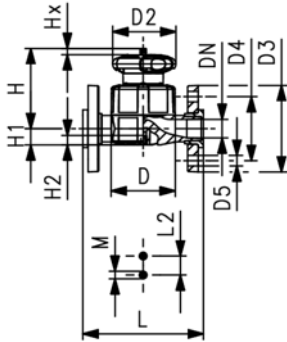
d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	96	⅜	117	96	162	12	130	71	25	16	7	1.9	1.9
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	1.9
25	96	⅜	133	108	162	16	131	72	25	16	10	2.3	2.3
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	1.9
32	96	⅜	142	120	162	19	135	76	25	16	10	2.9	2.3
32	120	⅜	145	120	160	19	167	93	26	26	13	2.9	2.9
40	120	⅜	149	128	180	23	175	101	26	26	13	3.7	1.9
50	96	⅜	160	134	180	27	148	90	25	16	10	4.6	1.9
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.3
50	120	⅜	160	134	180	28	180	106	26	26	13	4.6	2.9
63	96	⅜	177	144	180	33	155	96	25	26	10	5.8	1.9
63	120	⅜	177	144	180	35	187	113	26	16	13	5.8	2.3
63	120	⅜	177	144	180	35	187	113	26	26	13	5.8	2.9

Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 517

With backing flanges PP-V Inch ANSI



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 517 712	167 517 732
3/4	20	10	271	167 517 713	167 517 733
1	25	10	481	167 517 714	167 517 734
1 1/4	32	10	759	167 517 715	167 517 735
1 1/2	40	10	1263	167 517 716	167 517 736
2	50	10	1728	167 517 717	167 517 737

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	60	16	130	25	73	14	12	M6	7
3/4	80	65	105	70	16	150	25	81	18	12	M6	10
1	88	87	115	79	16	160	25	107	22	12	M6	13
1 1/4	101	87	140	89	16	180	45	115	26	15	M8	15
1 1/2	117	135	150	98	16	200	45	148	32	15	M8	19
2	144	135	165	121	19	230	45	166	39	15	M8	25

Diaphragm valves pneumatic

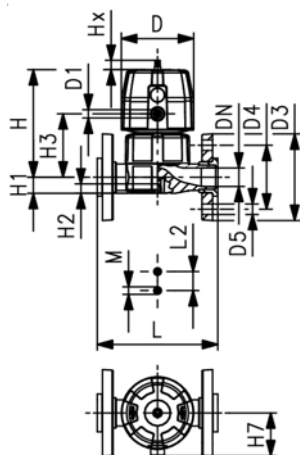
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With backing flanges PP-V Inch ANSI



Model:

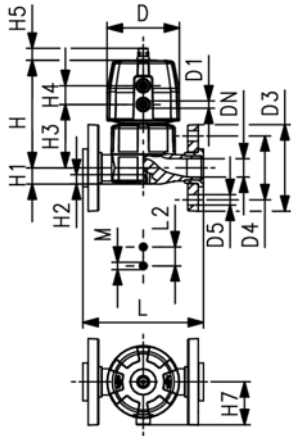
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	167 617 712										
3/4	20	6	271	167 617 713										
1	25	6	481	167 617 714										
1 1/4	32	6	759	167 617 715										
1 1/2	40	6	960	167 617 716										
2	50	6	1181	167 617 717										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]
1/2	68	1/8	95	60	16	130	25	101	14	12	60	43	M6	7
3/4	96	1/8	105	70	16	150	25	132	18	12	73	57	M6	10
1	96	1/8	115	79	16	160	25	143	22	12	84	69	M6	13
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	69	M8	14
1 1/2	120	1/8	150	98	16	200	45	193	32	15	119	69	M8	16
2	120	1/8	165	121	19	230	45	205	39	15	132	69	M8	16



PROGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 712	167 627 732
3/4	20	10/10*	271	167 627 713	167 627 733
1	25	10/10*	481	167 627 714	167 627 734
1 1/4	32	10/10*	759	167 627 715	167 627 735
1 1/2	40	10/10*	1263	167 627 716	167 627 736
2	50	10/6*	1728	167 627 717	167 627 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **FO (Fail safe to open)** **With backing flanges PP-V Inch ANSI**

Model:

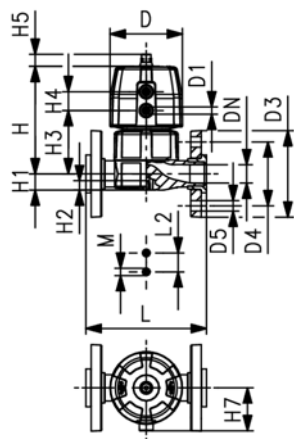
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 647 712	167 647 732
3/4	20	10/10*	271	167 647 713	167 647 733
1	25	10/10*	481	167 647 714	167 647 734
1 1/4	32	10/10*	759	167 647 715	167 647 735
1 1/2	40	10/10*	1263	167 647 716	167 647 736
2	50	10/10*	1728	167 647 717	167 647 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With backing flanges PP-V Inch ANSI**

Model:

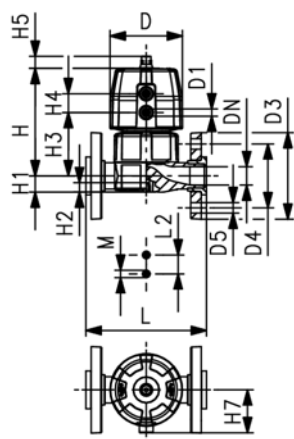
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 657 712	167 657 732
3/4	20	10/10*	271	167 657 713	167 657 733
1	25	10/10*	481	167 657 714	167 657 734
1 1/4	32	10/10*	759	167 657 715	167 657 735
1 1/2	40	10/10*	1263	167 657 716	167 657 736
2	50	10/10*	1728	167 657 717	167 657 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	1/4	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With backing flanges PP-V Inch ANSI

Model:

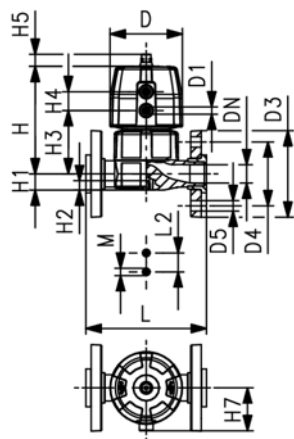
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 687 712	167 687 732
3/4	20	10/10*	271	167 687 713	167 687 733
1	25	10/10*	481	167 687 714	167 687 734
1 1/4	32	10/10*	759	167 687 715	167 687 735
1 1/2	40	10/10*	1263	167 687 716	167 687 736
2	50	10/10*	1728	167 687 717	167 687 737

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	60	16	130	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	1/8	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	1/4	165	121	19	230	45	251	39	15	137	37	26	103	M8

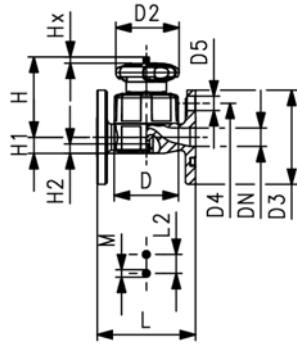
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Standard

Diaphragm valve type 517

With fixed flanges PP-H JIS



Model:

- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125		167 517 932
3/4	20	10	271	167 517 913	167 517 933
1	25	10	481	167 517 914	167 517 934
1 1/4	32	10	759	167 517 915	167 517 935
1 1/2	40	10	1263	167 517 916	167 517 936
2	50	10	1728	167 517 917	167 517 937

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	110	25	73	14	12	M6	7
3/4	80	65	100	75	15	120	25	81	18	12	M6	10
1	88	87	125	90	19	130	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19
2	144	135	155	120	19	210	45	166	39	15	M8	25

Diaphragm valves pneumatic

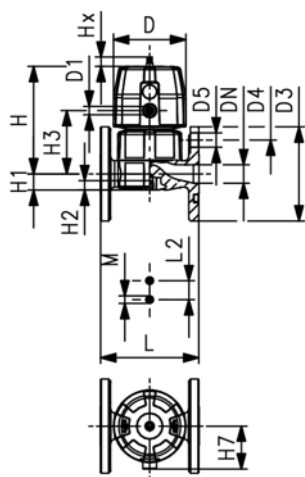
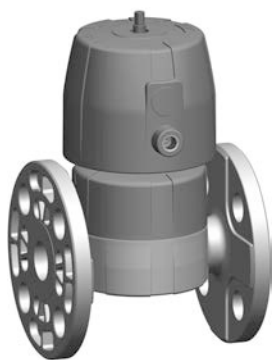
New generation

PROGEF Standard

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With fixed flanges PP-H JIS



Model:

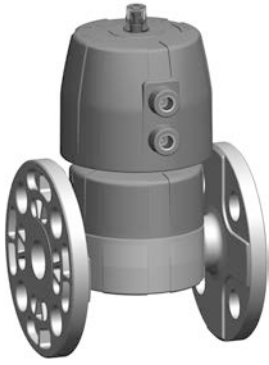
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	167 617 912										
3/4	20	6	271	167 617 913										
1	25	6	481	167 617 914										
1 1/4	32	6	759	167 617 915										
1 1/2	40	6	960	167 617 916										
2	50	6	1181	167 617 917										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7	
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10	
1	96	1/8	125	90	19	130	25	143	22	12	84	69	M6	13	
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M8	14	
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M8	16	
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M8	16	



PROGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With fixed flanges PP-H JIS

Model:

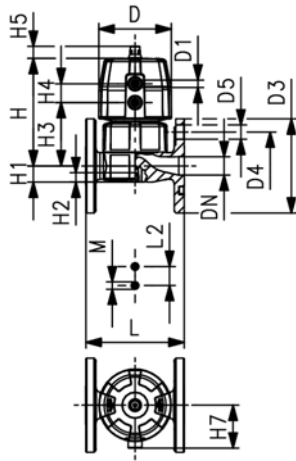
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 912	167 627 932
3/4	20	10/10*	271	167 627 913	167 627 933
1	25	10/10*	481	167 627 914	167 627 934
1 1/4	32	10/10*	759	167 627 915	167 627 935
1 1/2	40	10/10*	1263	167 627 916	167 627 936
2	50	10/6*	1728	167 627 917	167 627 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With fixed flanges PP-H JIS

Model:

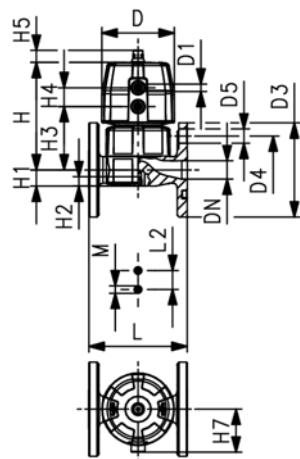
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

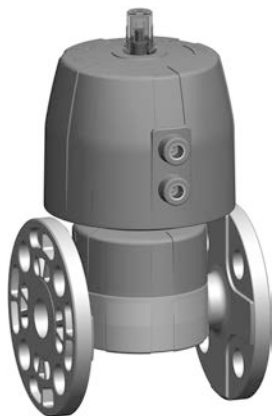
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 647 912	167 647 932
3/4	20	10/10*	271	167 647 913	167 647 933
1	25	10/10*	481	167 647 914	167 647 934
1 1/4	32	10/10*	759	167 647 915	167 647 935
1 1/2	40	10/10*	1263	167 647 916	167 647 936
2	50	10/10*	1728	167 647 917	167 647 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With fixed flanges PP-H JIS

Model:

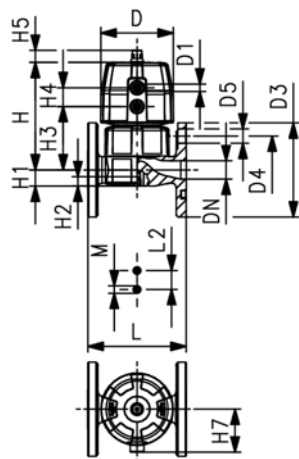
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 657 912	167 657 932
3/4	20	10/10*	271	167 657 913	167 657 933
1	25	10/10*	481	167 657 914	167 657 934
1 1/4	32	10/10*	759	167 657 915	167 657 935
1 1/2	40	10/10*	1263	167 657 916	167 657 936
2	50	10/10*	1728	167 657 917	167 657 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close) low pressure

With fixed flanges PP-H JIS

Model:

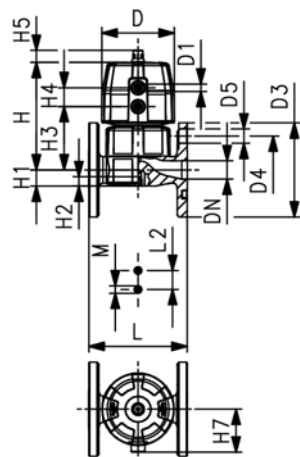
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	167 687 912	167 687 932
3/4	20	10/8*	271	167 687 913	167 687 933
1	25	10/8*	481	167 687 914	167 687 934
1 1/4	32	10/8*	759	167 687 915	167 687 935
1 1/2	40	10/8*	1263	167 687 916	167 687 936
2	50	10/6*	1728	167 687 917	167 687 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

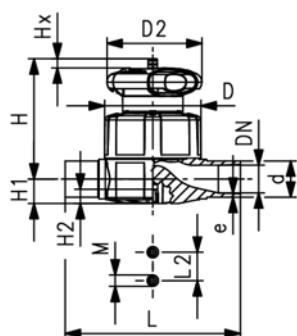
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Natural

Diaphragm valve type 515

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

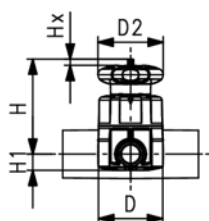
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	168 515 112	168 515 132
25	20	10	271	168 515 113	168 515 133
32	25	10	481	168 515 114	168 515 134
40	32	10	759	168 515 115	168 515 135
50	40	10	1263	168 515 116	168 515 136
63	50	10	1728	168 515 117	168 515 137

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	124	25	73	14	12	M6	7
25	80	65	144	25	81	18	12	M6	10
32	88	87	155	25	107	22	12	M6	13
40	101	87	176	45	115	26	15	M8	15
50	117	135	193	45	148	32	15	M8	19
63	144	135	223	45	166	39	15	M8	25

PROGEF Natural

Diaphragm valve type 519

With butt fusion spigots SDR11 metric



Model:

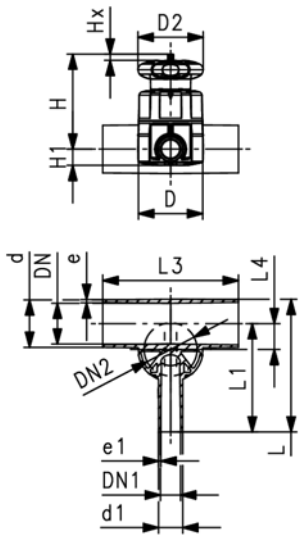
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	20	20	15	15	15	10	57	168 519 101	168 519 301
25	20	25	20	15	20	10	89	168 519 103	168 519 303
25	25	25	20	20	20	10	118	168 519 104	168 519 304
32	20	25	25	15	20	10	80	168 519 107	168 519 307
32	25	25	25	20	20	10	105	168 519 108	168 519 308
32	32	32	25	25	25	10	231	168 519 109	168 519 309
40	20	32	32	15	25	10	85	168 519 112	168 519 312
50	20	25	40	15	20	10	86	168 519 118	168 519 318
50	25	32	40	20	25	10	160	168 519 119	168 519 319
50	32	32	40	25	25	10	206	168 519 120	168 519 320
63	20	25	50	15	20	10	84	168 519 125	168 519 325
63	25	32	50	20	25	10	150	168 519 126	168 519 326
63	32	32	50	25	25	10	184	168 519 127	168 519 327

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	2.3	1.9	
25	80	65	133	108	162	16	80	10	2.3	2.3	
32	80	65	142	120	162	19	84	10	2.9	1.9	
32	80	65	142	120	162	19	84	10	2.9	2.3	
32	88	87	145	120	160	19	107	13	2.9	2.9	
40	88	87	149	128	180	23	115	13	3.7	1.9	
50	80	65	160	134	180	27	97	10	4.6	1.9	
50	88	87	160	134	180	28	120	13	4.6	2.3	
50	88	87	160	134	180	28	120	13	4.6	2.9	
63	80	65	177	144	180	33	104	10	5.8	1.9	
63	88	87	177	144	180	35	127	13	5.8	2.3	
63	88	87	177	144	180	35	127	13	5.8	2.9	

Diaphragm valves pneumatic

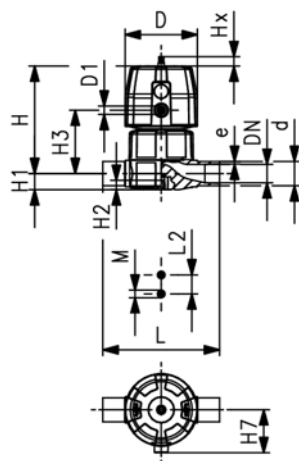
New generation

PROGEF Natural

Diaphragm valve DIASTAR Six

FC (Fail safe to close)

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
20	15	6	125	168 615 112	
25	20	6	271	168 615 113	
32	25	6	481	168 615 114	
40	32	6	759	168 615 115	
50	40	6	960	168 615 116	
63	50	6	1181	168 615 117	

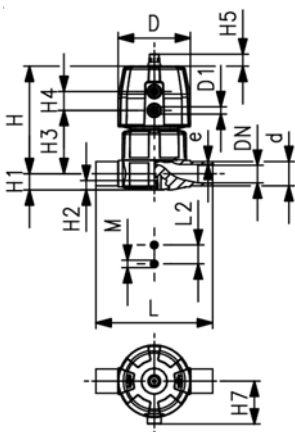
d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	69	M8	14	3.7	
50	120	1/8	194	45	193	32	15	119	69	M8	16	4.6	
63	120	1/8	224	45	205	39	15	132	69	M8	16	5.8	

PROGEF Natural

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With butt fusion spigots SDR11 metric



Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

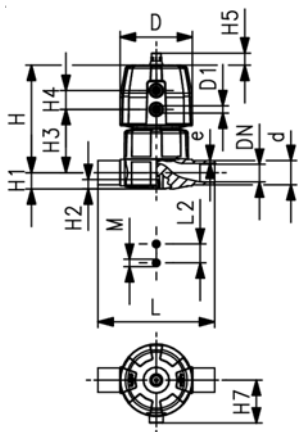
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN*	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE Code	
20	15	10/6*	125	168 625 112	168 625 132	
25	20	10/6*	271	168 625 113	168 625 133	
32	25	10/6*	481	168 625 114	168 625 134	
40	32	10/6*	759	168 625 115	168 625 135	
50	40	10/6*	1263	168 625 116	168 625 136	
63	50	10/5*	1728	168 625 117	168 625 137	

table continued next page



d	D	D1_G	L	L2	H	H1	H2	H3	H4	H5	H7	M	Lift = Hx	e	
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9	
40	120	1/4	174	45	173	26	15	99	26	26	69	M8	15	3.7	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8	



PROGEF Natural Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots SDR11 metric

Model:

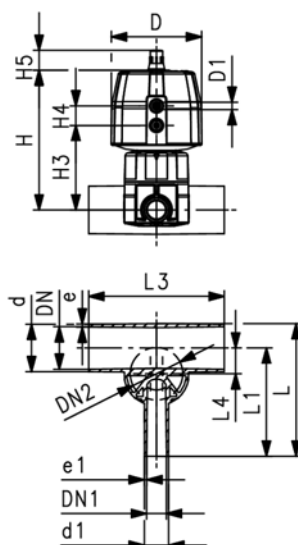
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

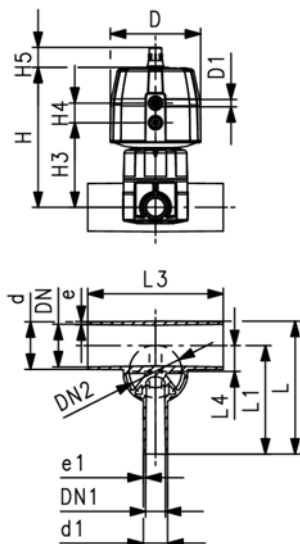
Working Pressure: **one side**



d	d1	Valve Size d	DN	DN1	DN2	PN*	kv-value (Δp=1 bar)	EPDM Code	PTFE/EPDM Code
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[bar]	[l/min]		
20	20	20	15	15	15	10/6*	57	168 629 101	168 629 301
25	20	25	20	15	20	10/6*	89	168 629 103	168 629 303
25	25	25	20	20	20	10/6*	118	168 629 104	168 629 304
32	20	25	25	15	20	10/6*	80	168 629 107	168 629 307
32	25	25	25	20	20	10/6*	105	168 629 108	168 629 308
32	32	32	25	25	25	10/6*	231	168 629 109	168 629 309
40	20	32	32	15	25	10/6*	85	168 629 112	168 629 312
50	20	25	40	15	20	10/6*	86	168 629 118	168 629 318
50	25	32	40	20	25	10/6*	160	168 629 119	168 629 319
50	32	32	40	25	25	10/6*	206	168 629 120	168 629 320
63	20	25	50	15	20	10/6*	84	168 629 125	168 629 325
63	25	32	50	20	25	10/6*	150	168 629 126	168 629 326
63	32	32	50	25	25	10/6*	184	168 629 127	168 629 327

d	D	D1	L	L1	L3	L4	H	H3	H4	H5	Lift = Hx	e	e1
[mm]	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
20	68	1/8	117	96	162	12	104	71	25	16	7	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	2.3	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	2.3	2.3
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	2.3
32	96	1/8	145	120	160	19	143	93	25	16	13	2.9	2.9
40	96	1/8	149	128	180	23	151	101	25	16	13	3.7	1.9
50	96	1/8	160	134	180	27	148	90	25	16	10	4.6	1.9
50	96	1/8	160	134	180	28	156	106	25	16	13	4.6	2.3
50	96	1/8	160	134	180	28	156	106	25	16	13	4.6	2.9

table continued next page



d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
63	96	1/8	177	144	180	33	155	96	25	16	10	5.8	1.9	
63	96	1/8	177	144	180	35	163	113	25	16	13	5.8	2.3	
63	96	1/8	177	144	180	35	163	113	25	16	13	5.8	2.9	



PROGEF Natural Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots SDR11 metric

Model:

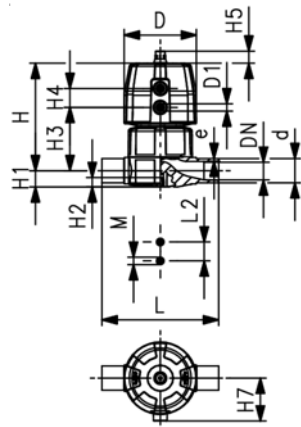
- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

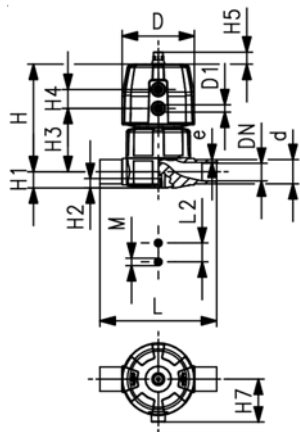
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	EPDM Code	PTFE Code	
20	15	10/6*	125	168 645 112	168 645 132	
25	20	10/6*	271	168 645 113	168 645 133	
32	25	10/6*	481	168 645 114	168 645 134	
40	32	10/6*	759	168 645 115	168 645 135	
50	40	10/6*	1263	168 645 116	168 645 136	
63	50	10/5*	1728	168 645 117	168 645 137	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8	



PROGEF Natural **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With butt fusion spigots SDR11 metric**

Model:

- Material: PP-R unpigmented
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE Code	
20	15	10/6*	125	168 655 112	168 655 132	
25	20	10/6*	271	168 655 113	168 655 133	
32	25	10/6*	481	168 655 114	168 655 134	
40	32	10/6*	759	168 655 115	168 655 135	
50	40	10/6*	1263	168 655 116	168 655 136	
63	50	10/5*	1728	168 655 117	168 655 137	

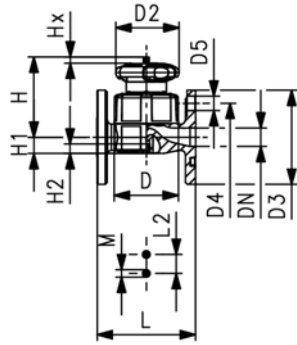
d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	2.3	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.9	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	3.7	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	4.6	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	5.8	

Diaphragm valves new generation

PROGEF Plus oil free

Diaphragm valve type 517

With fixed flanges PP-H JIS



Model:

- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

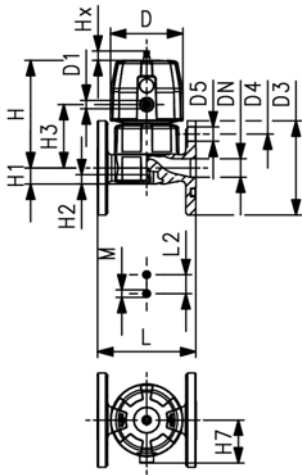
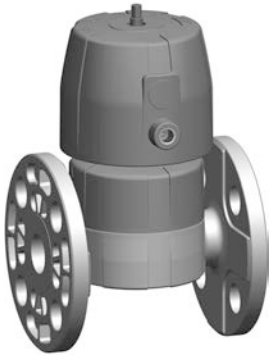
Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10	125	167 517 922	167 517 972
3/4	20	10	271	167 517 923	167 517 973
1	25	10	481	167 517 924	167 517 974
1 1/4	32	10	759	167 517 925	167 517 975
1 1/2	40	10	1263	167 517 926	167 517 976
2	50	10	1728	167 517 927	167 517 977

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	110	25	73	14	12	M6	7
3/4	80	65	100	75	15	120	25	81	18	12	M6	10
1	88	87	125	90	19	130	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19
2	144	135	155	120	19	210	45	166	39	15	M8	25

Diaphragm valves pneumatic

New generation

PROGEF Plus oil free Diaphragm valve DIASTAR Six FC (Fail safe to close) With fixed flanges PP-H JIS



Model:

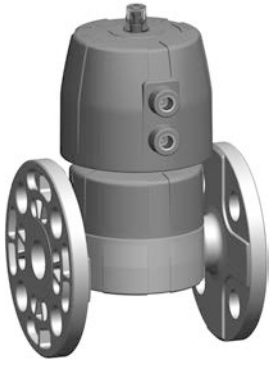
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
1/2	15	6	125	167 617 922										
3/4	20	6	271	167 617 923										
1	25	6	481	167 617 924										
1 1/4	32	6	759	167 617 925										
1 1/2	40	6	960	167 617 926										
2	50	6	1181	167 617 927										

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H7 [mm]	M	Lift = Hx [mm]	
1/2	68	1/8	95	70	15	110	25	101	14	12	60	43	M6	7	
3/4	96	1/8	100	75	15	120	25	132	18	12	73	57	M6	10	
1	96	1/8	125	90	19	130	25	143	22	12	84	69	M6	13	
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	69	M8	14	
1 1/2	120	1/8	140	105	19	180	45	193	32	15	119	69	M8	16	
2	120	1/8	155	120	19	210	45	205	39	15	132	69	M8	16	



PROGEF Plus oil free **Diaphragm valve DIASTAR Ten** **FC (Fail safe to close)** **With fixed flanges PP-H JIS**

Model:

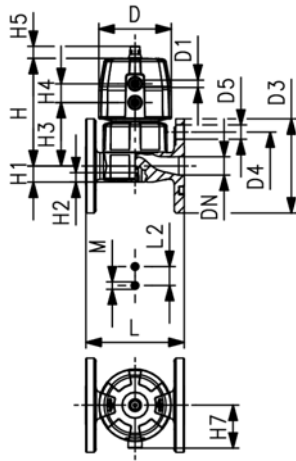
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 627 922	167 627 972
3/4	20	10/10*	271	167 627 923	167 627 973
1	25	10/10*	481	167 627 924	167 627 974
1 1/4	32	10/10*	759	167 627 925	167 627 975
1 1/2	40	10/10*	1263	167 627 926	167 627 976
2	50	10/6*	1728	167 627 927	167 627 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Plus oil free **Diaphragm valve DIASTAR Ten** **FO (Fail safe to open)** **With fixed flanges PP-H JIS**

Model:

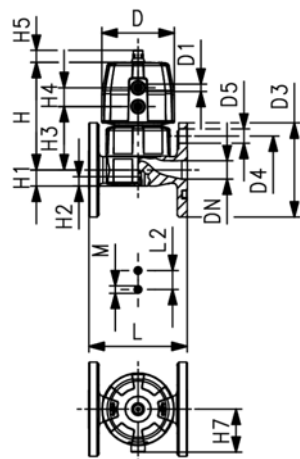
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

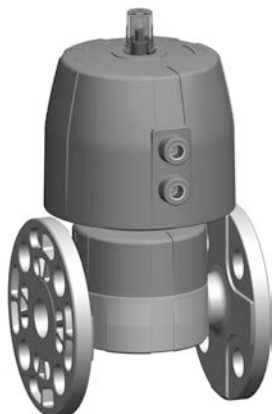
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 647 922	167 647 972
3/4	20	10/10*	271	167 647 923	167 647 973
1	25	10/10*	481	167 647 924	167 647 974
1 1/4	32	10/10*	759	167 647 925	167 647 975
1 1/2	40	10/10*	1263	167 647 926	167 647 976
2	50	10/10*	1728	167 647 927	167 647 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Plus oil free **Diaphragm valve DIASTAR Ten** **DA (Double acting)** **With fixed flanges PP-H JIS**

Model:

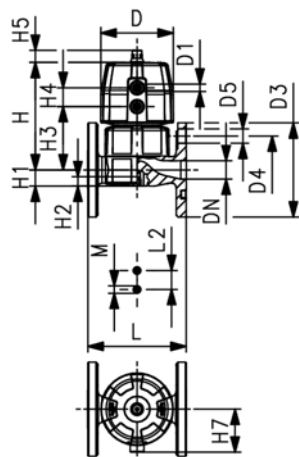
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/10*	125	167 657 922	167 657 972
3/4	20	10/10*	271	167 657 923	167 657 973
1	25	10/10*	481	167 657 924	167 657 974
1 1/4	32	10/10*	759	167 657 925	167 657 975
1 1/2	40	10/10*	1263	167 657 926	167 657 976
2	50	10/10*	1728	167 657 927	167 657 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



PROGEF Plus oil free **Diaphragm valve DIASTAR TenPlus** **FC (Fail safe to close) low pressure** **With fixed flanges PP-H JIS**

Model:

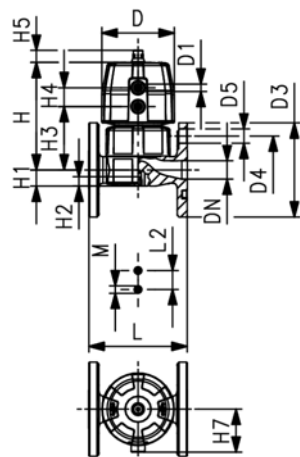
- Material: PP-H / oil free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	167 687 922	167 687 972
3/4	20	10/8*	271	167 687 923	167 687 973
1	25	10/8*	481	167 687 924	167 687 974
1 1/4	32	10/8*	759	167 687 925	167 687 975
1 1/2	40	10/8*	1263	167 687 926	167 687 976
2	50	10/6*	1728	167 687 927	167 687 977

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

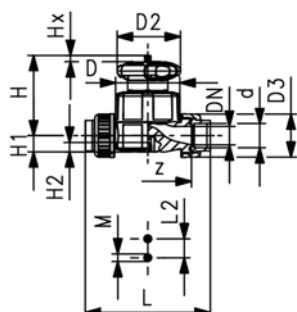
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

PROGEF Plus silicone free

Diaphragm valve type 514

With fusion sockets metric



Model:

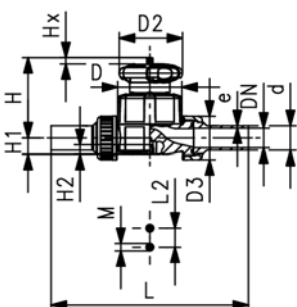
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 022	167 514 072	
25	20	10	271	167 514 023	167 514 073	
32	25	10	481	167 514 024	167 514 074	
40	32	10	759	167 514 025	167 514 075	
50	40	10	1263	167 514 026	167 514 076	
63	50	10	1728	167 514 027	167 514 077	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	100	7	
25	80	65	51	150	25	81	18	12	M6	118	10	
32	88	87	58	162	25	107	22	12	M6	126	13	
40	101	87	72	184	45	115	26	15	M8	144	15	
50	117	135	83	210	45	148	32	15	M8	164	19	
63	144	135	100	248	45	166	39	15	M8	194	25	



PROGEF Plus silicone free

Diaphragm valve type 514

With butt fusion spigots SDR11 metric

Model:

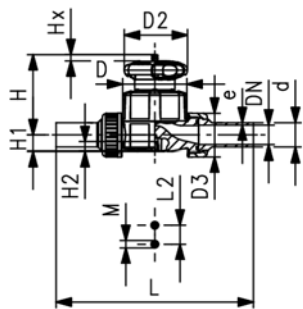
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 514 122	167 514 172	
25	20	10	271	167 514 123	167 514 173	
32	25	10	481	167 514 124	167 514 174	
40	32	10	759	167 514 125	167 514 175	
50	40	10	1263	167 514 126	167 514 176	
63	50	10	1728	167 514 127	167 514 177	

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	
25	80	65	51	221	25	81	18	12	M6	10	2.3	
32	88	87	58	234	25	107	22	12	M6	13	2.9	
40	101	87	72	260	45	115	26	15	M8	15	3.7	
50	117	135	83	284	45	148	32	15	M8	19	4.6	
63	144	135	100	321	45	166	39	15	M8	25	5.8	



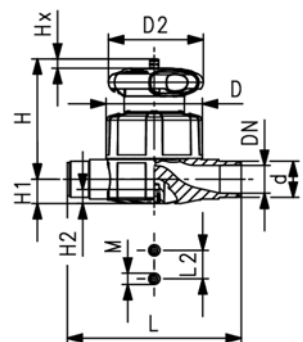
PROGEF Plus silicone free Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

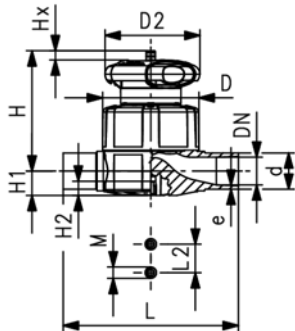
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	15	10	125	167 515 022	167 515 072	
25	20	10	271	167 515 023	167 515 073	
32	25	10	481	167 515 024	167 515 074	
40	32	10	759	167 515 025	167 515 075	
50	40	10	1263	167 515 026	167 515 076	
63	50	10	1728	167 515 027	167 515 077	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



PROGEF Plus silicone free Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

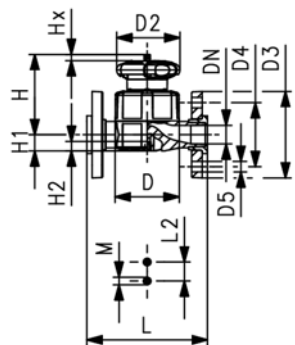
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 515 122	167 515 172
25	20	10	271	167 515 123	167 515 173
32	25	10	481	167 515 124	167 515 174
40	32	10	759	167 515 125	167 515 175
50	40	10	1263	167 515 126	167 515 176
63	50	10	1728	167 515 127	167 515 177

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	2.3
32	88	87	155	25	107	22	12	M6	13	2.9
40	101	87	176	45	115	26	15	M8	15	3.7
50	117	135	193	45	148	32	15	M8	19	4.6
63	144	135	223	45	166	39	15	M8	25	5.8



PROGEF Plus silicone free Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10
- Flat sealing faces/serrated

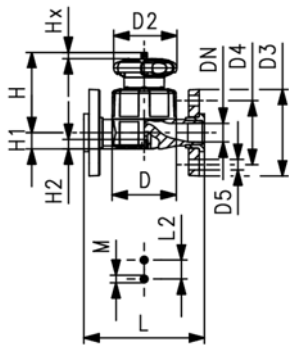
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
20	15	10	125	167 517 122	167 517 172
25	20	10	271	167 517 123	167 517 173
32	25	10	481	167 517 124	167 517 174
40	32	10	759	167 517 125	167 517 175
50	40	10	1263	167 517 126	167 517 176
63	50	10	1728	167 517 127	167 517 177

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13

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d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
40	101	87	140	100	18	180	45	115	26	15	M8	15	
50	117	135	150	110	18	200	45	148	32	15	M8	19	
63	144	135	165	125	18	230	45	166	39	15	M8	25	



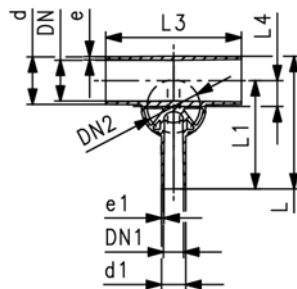
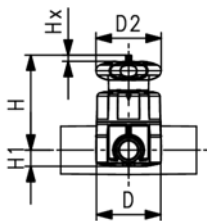
PROGEF Plus silicone free Diaphragm valve type 519 With butt fusion spigots SDR11 metric

Model:

- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	
20	20		20	15	15	15	10	57	167 519 201	167 519 701
25	20		25	20	15	20	10	89	167 519 203	167 519 703
25	25		25	20	20	20	10	118	167 519 204	167 519 704
32	20		25	25	15	20	10	80	167 519 207	167 519 707
32	25		25	25	20	20	10	105	167 519 208	167 519 708
32	32		32	25	25	25	10	231	167 519 209	167 519 709
40	20		32	32	15	25	10	85	167 519 212	167 519 712
50	20		25	40	15	20	10	86	167 519 218	167 519 718
50	25		32	40	20	25	10	160	167 519 219	167 519 719
50	32		32	40	25	25	10	206	167 519 220	167 519 720
63	20		25	50	15	20	10	84	167 519 225	167 519 725
63	25		32	50	20	25	10	150	167 519 226	167 519 726
63	32		32	50	25	25	10	184	167 519 227	167 519 727

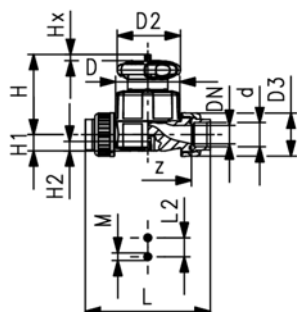
d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	2.3	1.9	
25	80	65	133	108	162	16	80	10	2.3	2.3	
32	80	65	142	120	162	19	84	10	2.9	1.9	
32	80	65	142	120	162	19	84	10	2.9	2.3	
32	88	87	145	120	160	19	107	13	2.9	2.9	
40	88	87	149	128	180	23	115	13	3.7	1.9	
50	80	65	160	134	180	27	97	10	4.6	1.9	
50	88	87	160	134	180	28	120	13	4.6	2.3	
50	88	87	160	134	180	28	120	13	4.6	2.9	
63	80	65	177	144	180	33	104	10	5.8	1.9	
63	88	87	177	144	180	35	127	13	5.8	2.3	
63	88	87	177	144	180	35	127	13	5.8	2.9	

Diaphragm valves new generation

SYGEF Standard

Diaphragm valve type 514

With fusion sockets metric



Model:

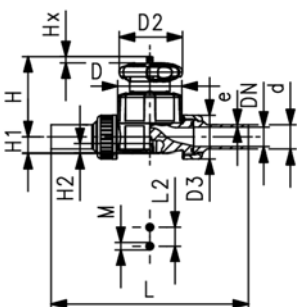
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	185 514 032	185 514 052	
25	20	10	271	185 514 033	185 514 053	
32	25	10	481	185 514 034	185 514 054	
40	32	10	759	185 514 035	185 514 055	
50	40	10	1263	185 514 036	185 514 056	
63	50	10	1728	185 514 037	185 514 057	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	Lift = Hx [mm]	
20	65	65	43	128	25	73	14	12	M6	100	7	
25	80	65	53	150	25	81	18	12	M6	118	10	
32	88	87	60	162	25	107	22	12	M6	126	13	
40	101	87	74	184	45	115	26	15	M8	144	15	
50	117	135	82	210	45	148	32	15	M8	164	19	
63	144	135	100	248	45	166	39	15	M8	194	25	



SYGEF Standard

Diaphragm valve type 514

With butt fusion spigots metric

Model:

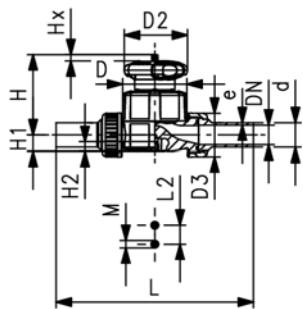
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	185 514 132	185 514 152	
25	20	10	271	185 514 133	185 514 153	
32	25	10	481	185 514 134	185 514 154	
40	32	10	759	185 514 135	185 514 155	
50	40	10	1263	185 514 136	185 514 156	
63	50	10	1728	185 514 137	185 514 157	

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d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	
25	80	65	53	221	25	81	18	12	M6	10	1.9	
32	88	87	60	234	25	107	22	12	M6	13	2.4	
40	101	87	74	260	45	115	26	15	M8	15	2.4	
50	117	135	82	284	45	148	32	15	M8	19	3.0	
63	144	135	100	321	45	166	39	15	M8	25	3.0	



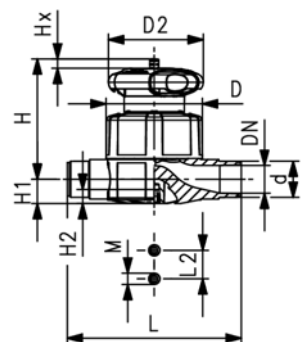
SYGEF Standard Diaphragm valve type 515 With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

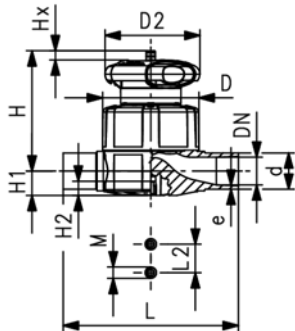
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	185 515 032	185 515 052	
25	20	10	271	185 515 033	185 515 053	
32	25	10	481	185 515 034	185 515 054	
40	32	10	759	185 515 035	185 515 055	
50	40	10	1263	185 515 036	185 515 056	
63	50	10	1728	185 515 037	185 515 057	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
20	65	65	124	25	73	14	12	M6	7	
25	80	65	144	25	81	18	12	M6	10	
32	88	87	154	25	107	22	12	M6	13	
40	101	87	174	45	115	26	15	M8	15	
50	117	135	194	45	148	32	15	M8	19	
63	144	135	223	45	166	39	15	M8	25	



SYGEF Standard Diaphragm valve type 515 With butt fusion spigots metric

Model:

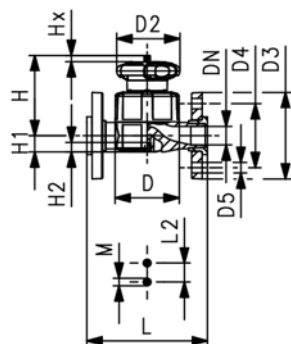
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10	125	185 515 132	185 515 152
25	20	10	271	185 515 133	185 515 153
32	25	10	481	185 515 134	185 515 154
40	32	10	759	185 515 135	185 515 155
50	40	10	1263	185 515 136	185 515 156
63	50	10	1728	185 515 137	185 515 157

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	1.9
32	88	87	155	25	107	22	12	M6	13	2.4
40	101	87	176	45	115	26	15	M8	15	2.4
50	117	135	193	45	148	32	15	M8	19	3.0
63	144	135	223	45	166	39	15	M8	25	3.0



SYGEF Standard Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Flat sealing faces/serrated
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

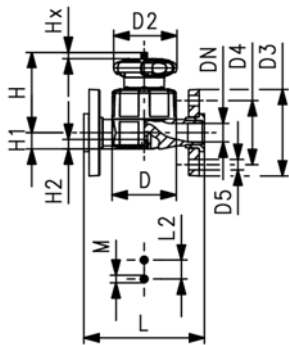
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
1/2	15	10	125	185 517 132	185 517 152
3/4	20	10	271	185 517 133	185 517 153
1	25	10	481	185 517 134	185 517 154
1 1/4	32	10	759	185 517 135	185 517 155
1 1/2	40	10	1263	185 517 136	185 517 156
2	50	10	1728	185 517 137	185 517 157

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	65	14	130	25	73	14	12	M6	7
3/4	80	65	105	75	14	150	25	81	18	12	M6	10
1	88	87	115	85	14	160	25	107	22	12	M6	13

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Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1 ¼	101	87	140	100	18	180	45	115	26	15	M8	15	
1 ½	117	135	150	110	18	200	45	148	32	15	M8	19	
2	144	135	165	125	18	230	45	166	39	15	M8	25	



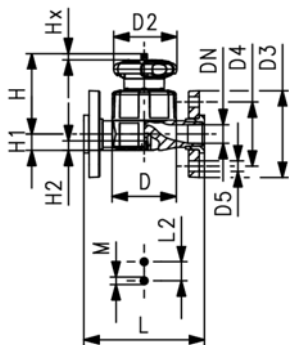
SYGEF Standard Diaphragm valve type 517 With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Flat sealing faces/serrated
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
½	15	10	125	185 517 732	185 517 752	
¾	20	10	271	185 517 733	185 517 753	
1	25	10	481	185 517 734	185 517 754	
1 ¼	32	10	759	185 517 735	185 517 755	
1 ½	40	10	1263	185 517 736	185 517 756	
2	50	10	1728	185 517 737	185 517 757	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
½	65	65	95	60	16	130	25	73	14	12	M6	7	
¾	80	65	105	70	16	150	25	81	18	12	M6	10	
1	88	87	115	79	16	160	25	107	22	12	M6	13	
1 ¼	101	87	140	89	16	180	45	115	26	15	M8	15	
1 ½	117	135	150	98	16	200	45	148	32	15	M8	19	
2	144	135	165	121	19	230	45	166	39	15	M8	25	

Diaphragm valves pneumatic

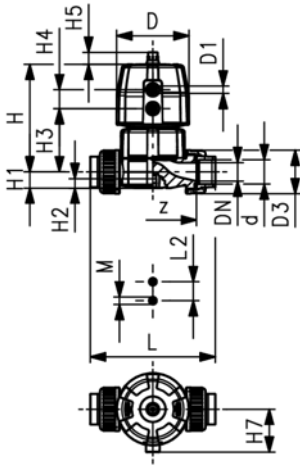
New generation

SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with fusion sockets metric



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

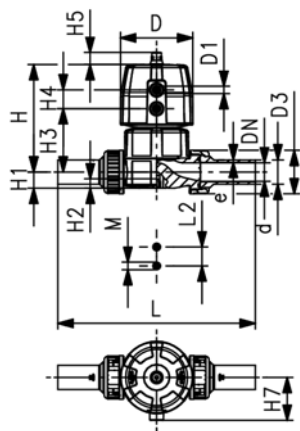
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 624 032	185 624 052
25	20	10/10*	271	185 624 033	185 624 053
32	25	10/10*	481	185 624 034	185 624 054
40	32	10/10*	759	185 624 035	185 624 055
50	40	10/10*	1263	185 624 036	185 624 056
63	50	10/6*	1728	185 624 037	185 624 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) Unions with butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

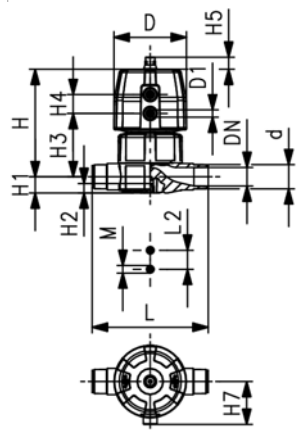
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 624 132	185 624 152
25	20	10/10*	271	185 624 133	185 624 153
32	25	10/10*	481	185 624 134	185 624 154
40	32	10/10*	759	185 624 135	185 624 155
50	40	10/10*	1263	185 624 136	185 624 156
63	50	10/6*	1728	185 624 137	185 624 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

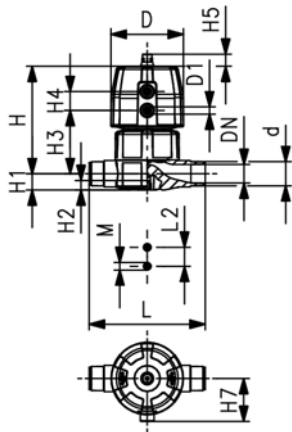
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 625 032	185 625 052
25	20	10/10*	271	185 625 033	185 625 053
32	25	10/10*	481	185 625 034	185 625 054
40	32	10/10*	759	185 625 035	185 625 055
50	40	10/10*	1263	185 625 036	185 625 056
63	50	10/6*	1728	185 625 037	185 625 057

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	



SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With butt fusion spigots metric

Model:

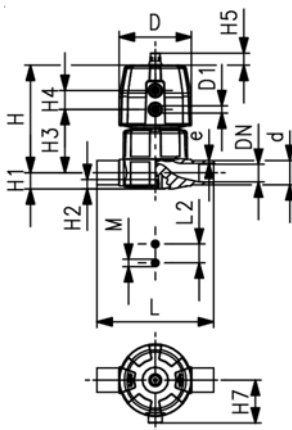
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	185 625 132	185 625 152	
25	20	10/10*	271	185 625 133	185 625 153	
32	25	10/10*	481	185 625 134	185 625 154	
40	32	10/10*	759	185 625 135	185 625 155	
50	40	10/10*	1263	185 625 136	185 625 156	
63	50	10/6*	1728	185 625 137	185 625 157	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0	



SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V metric/BS

Model:

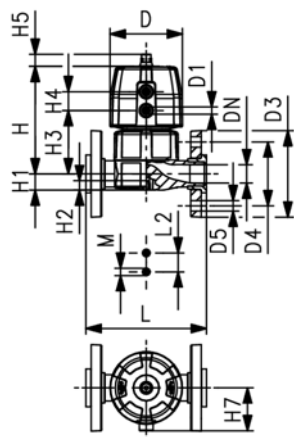
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

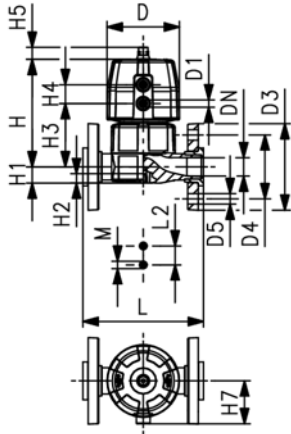
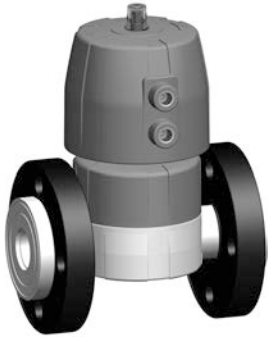
Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 627 132	185 627 152
25	20	10/10*	271	185 627 133	185 627 153
32	25	10/10*	481	185 627 134	185 627 154
40	32	10/10*	759	185 627 135	185 627 155
50	40	10/10*	1263	185 627 136	185 627 156
63	50	10/6*	1728	185 627 137	185 627 157

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	68	1/8	95	65	14	130	25	101	14	12	60	24	16	43	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	96	1/8	115	85	14	160	25	143	22	12	84	25	16	69	M6
40	120	1/8	140	100	18	180	45	173	26	15	99	26	26	69	M8
50	150	1/4	150	110	18	200	45	193	32	15	119	36	26	88	M8
63	150	1/4	165	125	18	230	45	205	39	15	132	36	26	88	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



SYGEF Standard Diaphragm valve DIASTAR Ten FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
1/2	15	10/10*	125	185 627 732	185 627 752
3/4	20	10/10*	271	185 627 733	185 627 753
1	25	10/10*	481	185 627 734	185 627 754
1 1/4	32	10/10*	759	185 627 735	185 627 755
1 1/2	40	10/10*	1263	185 627 736	185 627 756
2	50	10/6*	1728	185 627 737	185 627 757

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	60	16	130	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	1/8	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	140	89	16	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	150	98	16	200	45	193	32	15	119	36	26	88	M8
2	150	1/4	165	121	19	230	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with fusion sockets metric

Model:

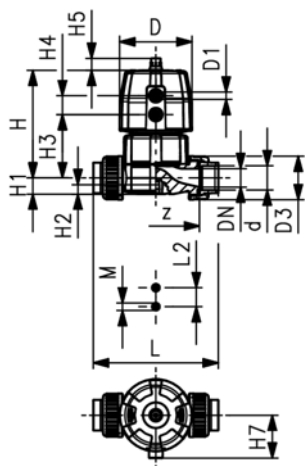
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 644 032	185 644 052
25	20	10/10*	271	185 644 033	185 644 053
32	25	10/10*	481	185 644 034	185 644 054
40	32	10/10*	759	185 644 035	185 644 055
50	40	10/10*	1263	185 644 036	185 644 056
63	50	10/10*	1728	185 644 037	185 644 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) Unions with butt fusion spigots metric

Model:

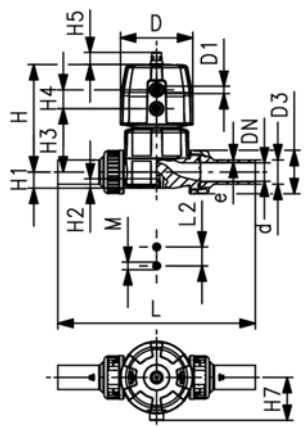
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

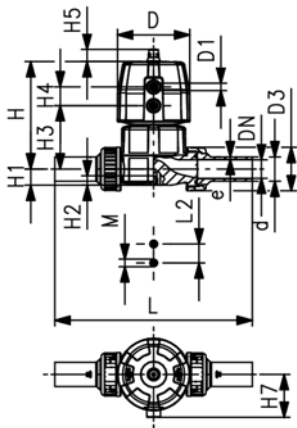
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 644 132	185 644 152
25	20	10/10*	271	185 644 133	185 644 153
32	25	10/10*	481	185 644 134	185 644 154
40	32	10/10*	759	185 644 135	185 644 155
50	40	10/10*	1263	185 644 136	185 644 156
63	50	10/10*	1728	185 644 137	185 644 157

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With socket fusion spigots metric

Model:

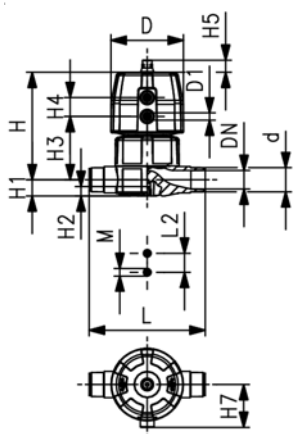
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

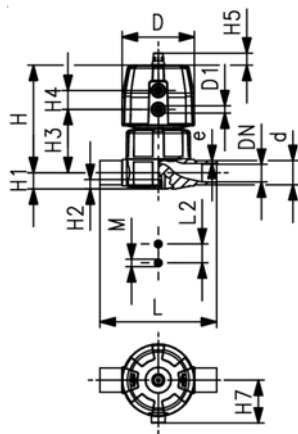
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 645 032	185 645 052
25	20	10/10*	271	185 645 033	185 645 053
32	25	10/10*	481	185 645 034	185 645 054
40	32	10/10*	759	185 645 035	185 645 055
50	40	10/10*	1263	185 645 036	185 645 056
63	50	10/10*	1728	185 645 037	185 645 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

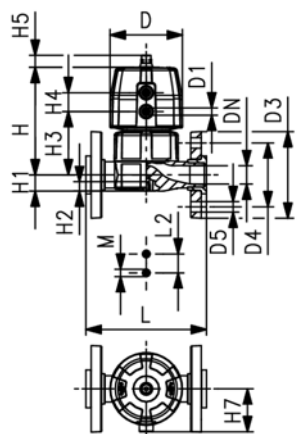
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 645 132	185 645 152
25	20	10/10*	271	185 645 133	185 645 153
32	25	10/10*	481	185 645 134	185 645 154
40	32	10/10*	759	185 645 135	185 645 155
50	40	10/10*	1263	185 645 136	185 645 156
63	50	10/10*	1728	185 645 137	185 645 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

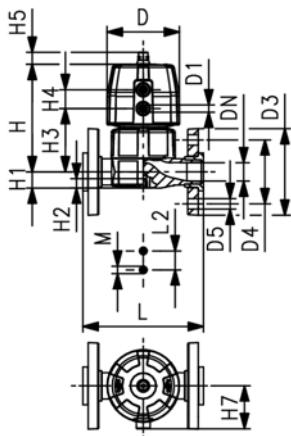
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 647 132	185 647 152
25	20	10/10*	271	185 647 133	185 647 153
32	25	10/10*	481	185 647 134	185 647 154
40	32	10/10*	759	185 647 135	185 647 155
50	40	10/10*	1263	185 647 136	185 647 156
63	50	10/10*	1728	185 647 137	185 647 157

table continued next page



d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
½	68	⅞	95	60	16	130	25	101	14	12	60	24	16	57	M6
¾	96	⅞	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅞	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 ¼	120	⅞	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 ½	150	⅞	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	⅞	165	121	19	230	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]	
½	7	
¾	10	
1	13	
1 ¼	15	
1 ½	19	
2	23	



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with fusion sockets metric

Model:

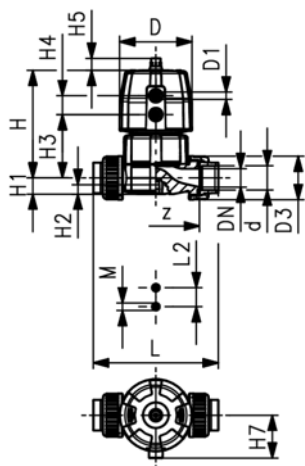
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 654 032	185 654 052
25	20	10/10*	271	185 654 033	185 654 053
32	25	10/10*	481	185 654 034	185 654 054
40	32	10/10*	759	185 654 035	185 654 055
50	40	10/10*	1263	185 654 036	185 654 056
63	50	10/10*	1728	185 654 037	185 654 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	68	1/8	128	25	101	14	12	60	24	16	43	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	96	1/8	162	25	143	22	12	84	25	16	57	M6	126	13
40	120	1/8	184	45	173	26	15	99	26	26	69	M8	144	15
50	150	1/4	210	45	214	32	15	119	36	26	88	M8	164	19
63	150	1/4	248	45	226	39	15	132	36	26	88	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) Unions with butt fusion spigots metric

Model:

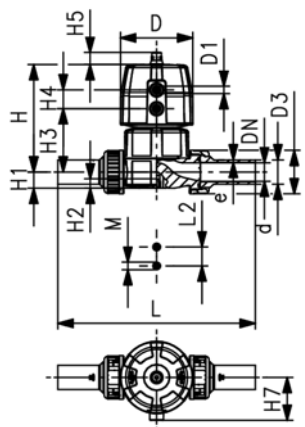
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

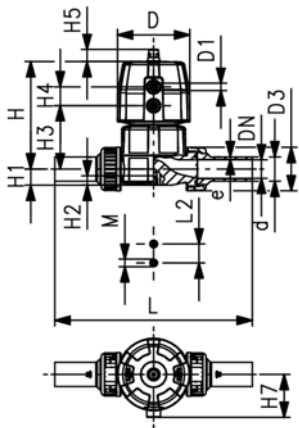
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 654 132	185 654 152
25	20	10/10*	271	185 654 133	185 654 153
32	25	10/10*	481	185 654 134	185 654 154
40	32	10/10*	759	185 654 135	185 654 155
50	40	10/10*	1263	185 654 136	185 654 156
63	50	10/10*	1728	185 654 137	185 654 157

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With socket fusion spigots metric

Model:

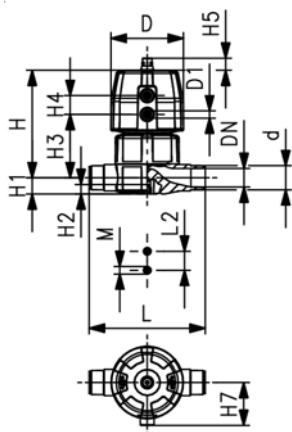
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

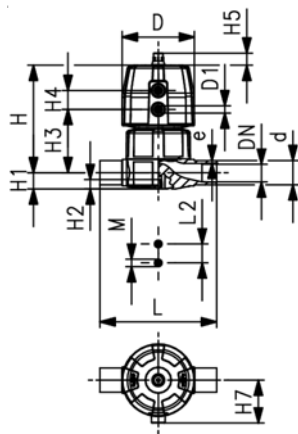
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 655 032	185 655 052
25	20	10/10*	271	185 655 033	185 655 053
32	25	10/10*	481	185 655 034	185 655 054
40	32	10/10*	759	185 655 035	185 655 055
50	40	10/10*	1263	185 655 036	185 655 056
63	50	10/10*	1728	185 655 037	185 655 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

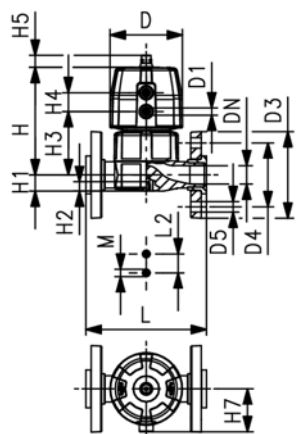
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 655 132	185 655 152
25	20	10/10*	271	185 655 133	185 655 153
32	25	10/10*	481	185 655 134	185 655 154
40	32	10/10*	759	185 655 135	185 655 155
50	40	10/10*	1263	185 655 136	185 655 156
63	50	10/10*	1728	185 655 137	185 655 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With backing flanges PP-V metric/BS

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

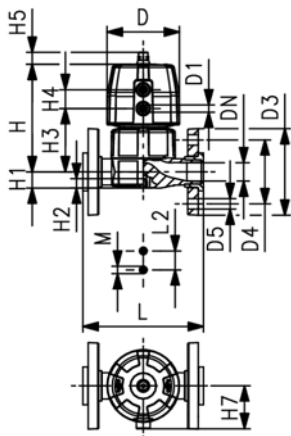
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 657 132	185 657 152
25	20	10/10*	271	185 657 133	185 657 153
32	25	10/10*	481	185 657 134	185 657 154
40	32	10/10*	759	185 657 135	185 657 155
50	40	10/10*	1263	185 657 136	185 657 156
63	50	10/10*	1728	185 657 137	185 657 157

table continued next page



d [mm]	Lift = Hx [mm]	
20	7	
25	10	
32	13	
40	15	
50	19	
63	23	



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

Inch	D	D1_G	D3	D4	D5	L	L2	H	H1	H2	H3	H4	H5	H7	M
	[mm]	[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
½	68	⅞	95	60	16	130	25	101	14	12	60	24	16	57	M6
¾	96	⅞	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	96	⅞	115	79	16	160	25	143	22	12	84	25	16	69	M6
1 ¼	120	⅞	140	89	16	180	45	173	26	15	99	26	26	88	M8
1 ½	150	⅞	150	98	16	200	45	214	32	15	119	36	26	103	M8
2	150	⅞	165	121	19	230	45	226	39	15	132	36	26	103	M8

+GF+



SYGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with fusion sockets metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

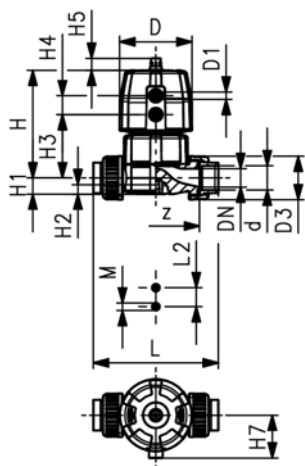
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 684 032	185 684 052
25	20	10/10*	271	185 684 033	185 684 053
32	25	10/10*	481	185 684 034	185 684 054
40	32	10/10*	759	185 684 035	185 684 055
50	40	10/10*	1263	185 684 036	185 684 056
63	50	10/10*	1728	185 684 037	185 684 057

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	z [mm]	Lift = Hx [mm]
20	96	1/8	128	25	127	14	12	68	25	16	57	M6	100	7
25	96	1/8	150	25	132	18	12	73	25	16	57	M6	118	10
32	120	1/8	162	25	167	22	12	93	26	26	69	M6	126	13
40	150	1/4	184	45	196	26	15	101	36	26	88	M8	144	15
50	180	1/4	210	45	239	32	15	124	37	26	103	M8	164	19
63	180	1/4	248	45	251	39	15	137	37	26	103	M8	194	23



SYGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) Unions with butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

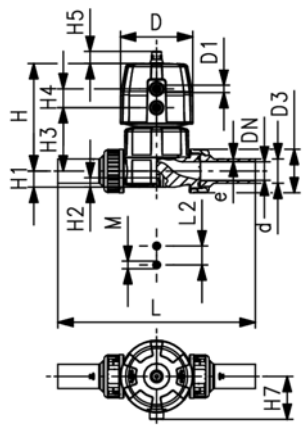
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

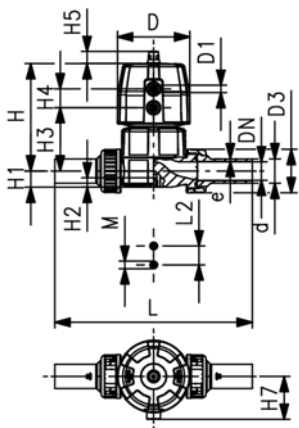
Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 684 132	185 684 152
25	20	10/10*	271	185 684 133	185 684 153
32	25	10/10*	481	185 684 134	185 684 154

table continued next page



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
40	32	10/10*	759	185 684 135	185 684 155	
50	40	10/10*	1263	185 684 136	185 684 156	
63	50	10/10*	1728	185 684 137	185 684 157	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9	
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9	
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.4	
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	2.4	
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	3.0	
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	3.0	



SYGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) With socket fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Overall length EN 558

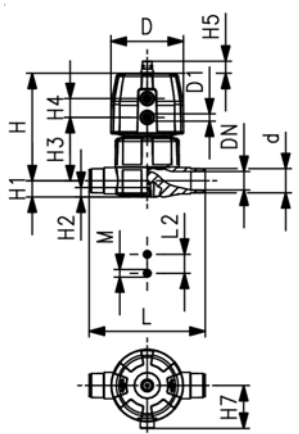
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

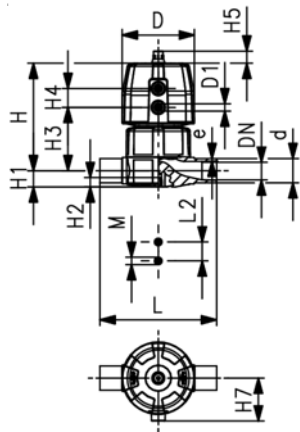
Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	185 685 032	185 685 052	
25	20	10/10*	271	185 685 033	185 685 053	
32	25	10/10*	481	185 685 034	185 685 054	
40	32	10/10*	759	185 685 035	185 685 055	
50	40	10/10*	1263	185 685 036	185 685 056	
63	50	10/10*	1728	185 685 037	185 685 057	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	



SYGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

* PN: PTFE

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 685 132	185 685 152
25	20	10/10*	271	185 685 133	185 685 153
32	25	10/10*	481	185 685 134	185 685 154
40	32	10/10*	759	185 685 135	185 685 155
50	40	10/10*	1263	185 685 136	185 685 156
63	50	10/10*	1728	185 685 137	185 685 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With backing flanges PP-V metric/BS

Model:

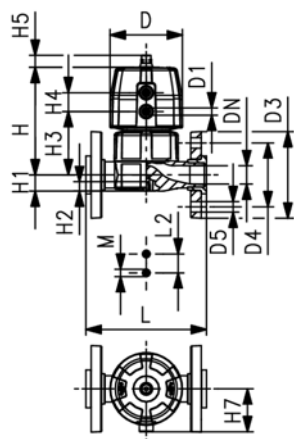
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

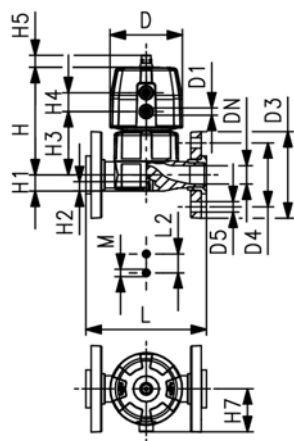
Working Pressure: **both sides**



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	185 687 132	185 687 152
25	20	10/10*	271	185 687 133	185 687 153
32	25	10/10*	481	185 687 134	185 687 154
40	32	10/10*	759	185 687 135	185 687 155
50	40	10/10*	1263	185 687 136	185 687 156
63	50	10/10*	1728	185 687 137	185 687 157

d [mm]	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
20	96	1/8	95	65	14	130	25	127	14	12	68	25	16	57	M6
25	96	1/8	105	75	14	150	25	132	18	12	73	25	16	57	M6
32	120	1/8	115	85	14	160	25	167	22	12	93	26	26	69	M6
40	150	1/4	140	100	18	180	45	196	26	15	101	36	26	88	M8
50	180	1/4	150	110	18	200	45	239	32	15	124	37	26	103	M8
63	180	1/4	165	125	18	230	45	251	39	15	137	37	26	103	M8

d [mm]	Lift = Hx [mm]
20	7
25	10
32	13
40	15
50	19
63	23



SYGEF Standard Diaphragm valve DIASTAR TenPlus FC (Fail safe to close) With backing flanges PP-V Inch ANSI

Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Overall length EN 558
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
½	15	10/10*	125	185 687 732	185 687 752
¾	20	10/10*	271	185 687 733	185 687 753
1	25	10/10*	481	185 687 734	185 687 754
1 ¼	32	10/10*	759	185 687 735	185 687 755
1 ½	40	10/10*	1263	185 687 736	185 687 756
2	50	10/10*	1728	185 687 737	185 687 757

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
½	96	⅜	95	60	16	130	25	127	14	12	68	25	16	57	M6
¾	96	⅜	105	70	16	150	25	132	18	12	73	25	16	57	M6
1	120	⅜	115	79	16	160	25	167	22	12	93	26	26	69	M6
1 ¼	150	¼	140	89	16	180	45	196	26	15	101	36	26	88	M8
1 ½	180	¼	150	98	16	200	45	239	32	15	124	37	26	103	M8
2	180	¼	165	121	19	230	45	251	39	15	137	37	26	103	M8

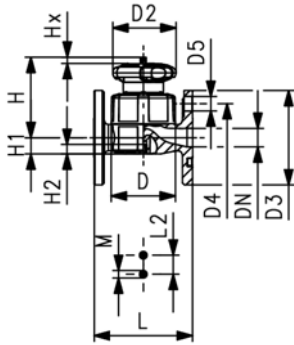
Inch	Lift = Hx [mm]
½	7
¾	10
1	13
1 ¼	15
1 ½	19
2	23

Diaphragm valves new generation

SYGEF Standard

Diaphragm valve type 517

With fixed flanges PVDF JIS



Model:

- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10	125	185 517 932
3/4	20	10	271	185 517 933
1	25	10	481	185 517 934
1 1/4	32	10	759	185 517 935
1 1/2	40	10	1263	185 517 936
2	50	10	1728	185 517 937

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
1/2	65	65	95	70	15	110	25	73	14	12	M6	7
3/4	80	65	100	75	15	120	25	81	18	12	M6	10
1	88	87	125	90	19	130	25	107	22	12	M6	13
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19
2	144	135	155	120	19	210	45	166	39	15	M8	25

Diaphragm valves pneumatic

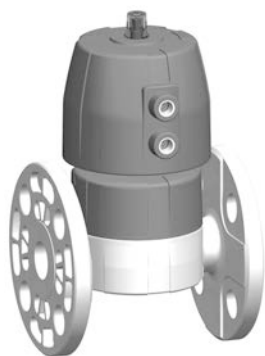
New generation

SYGEF Standard

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With fixed flanges PVDF JIS



Model:

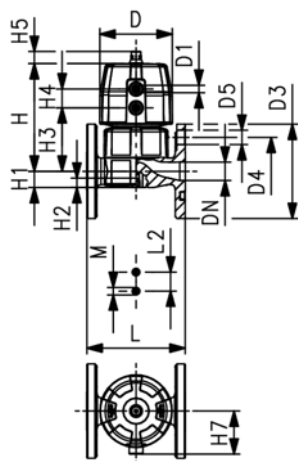
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Connecting dimension: JIS B2238/39 10K
- Flat sealing faces/serrated

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

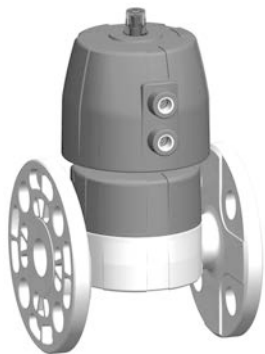
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10/10*	125	185 627 932
3/4	20	10/10*	271	185 627 933
1	25	10/10*	481	185 627 934
1 1/4	32	10/10*	759	185 627 935
1 1/2	40	10/10*	1263	185 627 936
2	50	10/6*	1728	185 627 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	43	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	69	M8
1 1/2	150	1/4	140	105	19	180	45	193	32	15	119	36	26	88	M8
2	150	1/4	155	120	19	210	45	205	39	15	132	36	26	88	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard Diaphragm valve DIASTAR Ten FO (Fail safe to open) With fixed flanges PVDF JIS

Model:

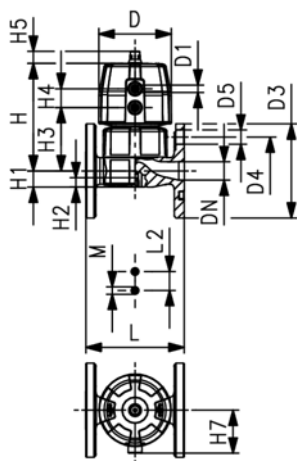
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

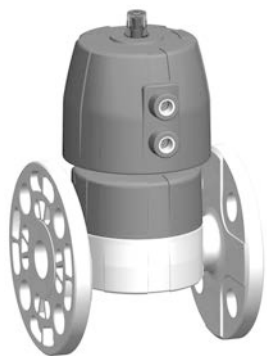
Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10/10*	125	185 647 932
3/4	20	10/10*	271	185 647 933
1	25	10/10*	481	185 647 934
1 1/4	32	10/10*	759	185 647 935
1 1/2	40	10/10*	1263	185 647 936
2	50	10/10*	1728	185 647 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard Diaphragm valve DIASTAR Ten DA (Double acting) With fixed flanges PVDF JIS

Model:

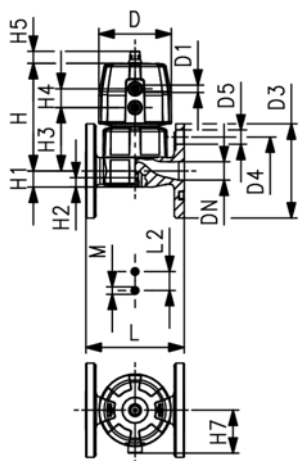
- Material: PVDF
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10/10*	125	185 657 932
3/4	20	10/10*	271	185 657 933
1	25	10/10*	481	185 657 934
1 1/4	32	10/10*	759	185 657 935
1 1/2	40	10/10*	1263	185 657 936
2	50	10/10*	1728	185 657 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	68	1/8	95	70	15	110	25	101	14	12	60	24	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	96	1/8	125	90	19	130	25	143	22	12	84	25	16	69	M6
1 1/4	120	1/8	135	100	19	180	45	173	26	15	99	26	26	88	M8
1 1/2	150	1/4	140	105	19	180	45	214	32	15	119	36	26	103	M8
2	150	1/4	155	120	19	210	45	226	39	15	132	36	26	103	M8

Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23



SYGEF Standard

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close) low pressure

With fixed flanges PVDF JIS

Model:

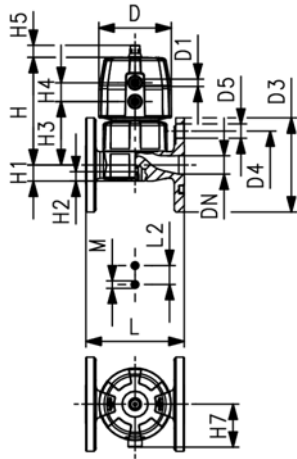
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Flat sealing faces/serrated
- Connecting dimension: JIS B2238/39 10K

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**



Inch	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code
1/2	15	10/8*	125	185 687 912	185 687 932
3/4	20	10/8*	271	185 687 913	185 687 933
1	25	10/8*	481	185 687 914	185 687 934
1 1/4	32	10/8*	759	185 687 915	185 687 935
1 1/2	40	10/8*	1263	185 687 916	185 687 936
2	50	10/6*	1728	185 687 917	185 687 937

Inch	D [mm]	D1_G [inch]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M
1/2	96	1/8	95	70	15	110	25	127	14	12	68	25	16	57	M6
3/4	96	1/8	100	75	15	120	25	132	18	12	73	25	16	57	M6
1	120	1/8	125	90	19	130	25	167	22	12	93	26	26	69	M6
1 1/4	150	1/4	135	100	19	180	45	196	26	15	101	36	26	88	M8
1 1/2	180	1/4	140	105	19	180	45	239	32	15	124	37	26	103	M8
2	180	1/4	155	120	19	210	45	251	39	15	137	37	26	103	M8

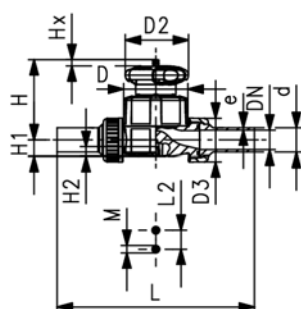
Inch	Lift = Hx [mm]
1/2	7
3/4	10
1	13
1 1/4	15
1 1/2	19
2	23

Diaphragm valves new generation

SYGEF Plus

Diaphragm valve type 514

With butt fusion spigots metric



Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

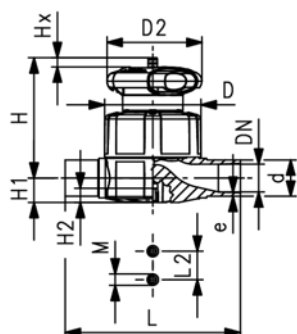
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	180 514 132
25	20	16	271	180 514 133
32	25	16	481	180 514 134
40	32	16	759	180 514 135
50	40	16	1263	180 514 136
63	50	16	1728	180 514 137

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	43	196	25	73	14	12	M6	7	1.9
25	80	65	53	221	25	81	18	12	M6	10	1.9
32	88	87	60	234	25	107	22	12	M6	13	2.4
40	101	87	74	260	45	115	26	15	M8	15	2.4
50	117	135	82	284	45	148	32	15	M8	19	3.0
63	144	135	100	321	45	166	39	15	M8	25	3.0

SYGEF Plus

Diaphragm valve type 515

With butt fusion spigots metric



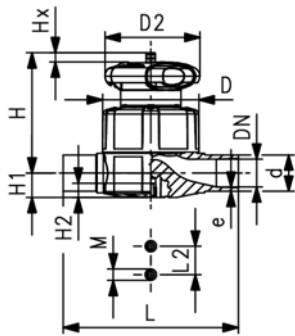
Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	16	125	180 515 132
25	20	16	271	180 515 133
32	25	16	481	180 515 134
40	32	16	759	180 515 135
50	40	16	1263	180 515 136
63	50	16	1728	180 515 137



d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	1.9	
32	88	87	155	25	107	22	12	M6	13	2.4	
40	101	87	176	45	115	26	15	M8	15	2.4	
50	117	135	193	45	148	32	15	M8	19	3.0	
63	144	135	223	45	166	39	15	M8	25	3.0	



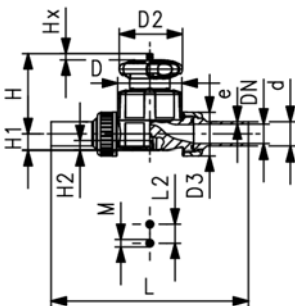
SYGEF Plus Diaphragm valve type 514 With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10	125	181 514 132	181 514 152	
25	20	10	271	181 514 133	181 514 153	
32	25	10	481	181 514 134	181 514 154	
40	32	10	759	181 514 135	181 514 155	
50	40	10	1263	181 514 136	181 514 156	
63	50	10	1728	181 514 137	181 514 157	

d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	
25	80	65	53	221	25	81	18	12	M6	10	1.9	
32	88	87	60	234	25	107	22	12	M6	13	2.4	
40	101	87	74	260	45	115	26	15	M8	15	2.4	
50	117	135	82	284	45	148	32	15	M8	19	3.0	
63	144	135	100	321	45	166	39	15	M8	25	3.0	



SYGEF Plus

Diaphragm valve type 519

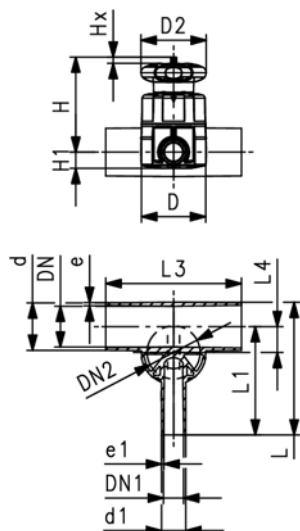
With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

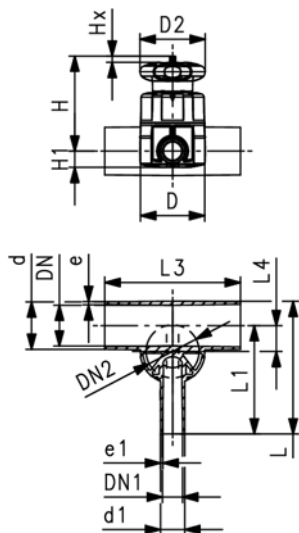
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	
20	20	20	15	15	15	16	57	180 519 301	
25	20	25	20	15	20	16	89	180 519 303	
25	25	25	20	20	20	16	118	180 519 304	
32	20	25	25	15	20	16	80	180 519 307	
32	25	25	25	20	20	16	105	180 519 308	
32	32	32	25	25	25	16	231	180 519 309	
40	20	32	32	15	25	16	85	180 519 312	
40	25	32	32	20	25	16	119	180 519 313	
40	32	32	32	25	25	16	153	180 519 314	
40	40	32	32	32	25	16	187	180 519 315	
50	20	25	40	15	20	16	86	180 519 318	
50	25	32	40	20	25	16	160	180 519 319	
50	32	32	40	25	25	16	206	180 519 320	
50	40	63	40	32	50	16	524	180 519 321	
50	50	63	40	40	50	16	667	180 519 322	
63	20	25	50	15	20	16	84	180 519 325	
63	25	32	50	20	25	16	150	180 519 326	
63	32	32	50	25	25	16	184	180 519 327	
63	40	63	50	32	50	16	471	180 519 328	
63	50	63	50	40	50	16	610	180 519 329	
63	63	63	50	50	50	16	747	180 519 330	
90	20	32	80	15	25	16	82	180 519 341	
90	25	32	80	20	25	16	103	180 519 342	
90	32	32	80	25	25	16	129	180 519 343	
90	50	63	80	40	50	16	623	180 519 345	
90	63	63	80	50	50	16	696	180 519 346	
110	20	32	100	15	25	16	78	180 519 351	
110	25	32	100	20	25	16	103	180 519 352	
110	32	32	100	25	25	16	131	180 519 353	
110	50	63	100	40	50	16	604	180 519 355	
110	63	63	100	50	50	16	661	180 519 356	

d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
20	65	65	117	96	162	12	75	7	1.9	1.9	
25	80	65	133	108	162	16	80	10	1.9	1.9	
25	80	65	133	108	162	16	80	10	1.9	1.9	
32	80	65	142	120	162	19	84	10	2.4	1.9	
32	80	65	142	120	162	19	84	10	2.4	1.9	
32	88	87	145	120	160	19	107	13	2.4	2.4	
40	88	87	149	128	180	23	115	13	2.4	1.9	
40	88	87	149	128	180	23	115	13	2.4	1.9	
40	88	87	149	128	180	23	115	13	2.4	2.4	
40	88	87	174	153	180	23	115	13	2.4	2.4	
50	80	65	160	134	180	27	97	10	3.0	1.9	
50	88	87	160	134	180	28	120	13	3.0	1.9	
50	88	87	160	134	180	28	120	13	3.0	2.4	
50	144	135	209	169	209	33	164	25	3.0	2.4	
50	144	135	209	169	209	33	164	25	3.0	3.0	

table continued next page



d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
63	80	65	177	144	180	33	104	10	3.0	1.9
63	88	87	177	144	180	35	127	13	3.0	1.9
63	88	87	177	144	180	35	127	13	3.0	2.4
63	144	135	225	192	220	39	170	25	3.0	2.4
63	144	135	225	192	220	39	170	25	3.0	3.0
63	144	135	225	192	220	39	170	25	3.0	3.0
90	88	87	205	159	190	47	140	13	4.3	1.9
90	88	87	205	159	190	47	140	13	4.3	1.9
90	88	87	205	159	190	47	140	13	4.3	2.4
90	144	135	254	207	250	51	184	25	4.3	3.0
90	144	135	254	207	250	51	184	25	4.3	3.0
110	88	87	227	171	190	56	149	13	5.3	1.9
110	88	87	227	171	190	56	149	13	5.3	1.9
110	88	87	227	171	190	56	149	13	5.3	2.4
110	144	135	276	219	250	60	194	25	5.3	3.0
110	144	135	276	219	250	60	194	25	5.3	3.0



SYGEF Plus

Diaphragm valve type 515

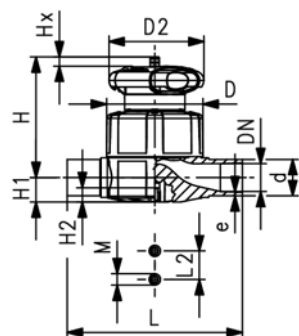
With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Overall length EN 558

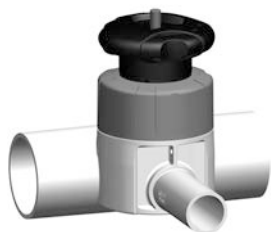
Option:

- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10	125	181 515 132	181 515 152
25	20	10	271	181 515 133	181 515 153
32	25	10	481	181 515 134	181 515 154
40	32	10	759	181 515 135	181 515 155
50	40	10	1263	181 515 136	181 515 156
63	50	10	1728	181 515 137	181 515 157

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	1.9
32	88	87	155	25	107	22	12	M6	13	2.4
40	101	87	176	45	115	26	15	M8	15	2.4
50	117	135	193	45	148	32	15	M8	19	3.0
63	144	135	223	45	166	39	15	M8	25	3.0



SYGEF Plus

Diaphragm valve type 519

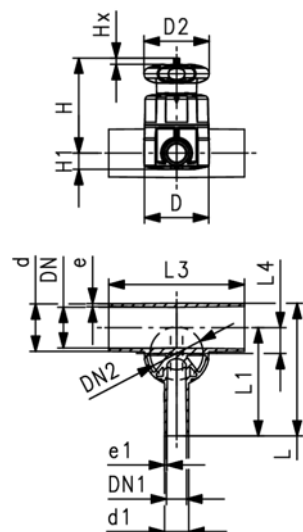
With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- Smallest possible dead space

Option:

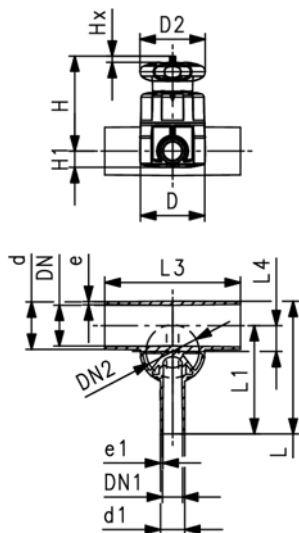
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	20	20	15	15	15	10	57	181 519 301	181 519 501
25	20	25	20	15	20	10	89	181 519 303	181 519 503
25	25	25	20	20	20	10	118	181 519 304	181 519 504
32	20	25	25	15	20	10	80	181 519 307	181 519 507
32	25	25	25	20	20	10	105	181 519 308	181 519 508
32	32	32	25	25	25	10	231	181 519 309	181 519 509
40	20	32	32	15	25	10	85	181 519 312	181 519 512
40	25	32	32	20	25	10	119	181 519 313	181 519 513
40	32	32	32	25	25	10	153	181 519 314	181 519 514
40	40	32	32	32	25	10	187	181 519 315	181 519 515
50	20	25	40	15	20	10	86	181 519 318	181 519 518
50	25	32	40	20	25	10	160	181 519 319	181 519 519
50	32	32	40	25	25	10	206	181 519 320	181 519 520
50	40	63	40	32	50	10	524	181 519 321	181 519 521
50	50	63	40	40	50	10	667	181 519 322	181 519 522
63	20	25	50	15	20	10	84	181 519 325	181 519 525
63	25	32	50	20	25	10	150	181 519 326	181 519 526
63	32	32	50	25	25	10	184	181 519 327	181 519 527
63	40	63	50	32	50	10	471	181 519 328	181 519 528
63	50	63	50	40	50	10	610	181 519 329	181 519 529
63	63	63	50	50	50	10	747	181 519 330	181 519 530
90	20	32	80	15	25	10	82	181 519 341	181 519 541
90	25	32	80	20	25	10	103	181 519 342	181 519 542
90	32	32	80	25	25	10	129	181 519 343	181 519 543
90	50	63	80	40	50	10	623	181 519 345	181 519 545
90	63	63	80	50	50	10	696	181 519 346	181 519 546
110	20	32	100	15	25	10	78	181 519 351	181 519 551
110	25	32	100	20	25	10	103	181 519 352	181 519 552
110	32	32	100	25	25	10	131	181 519 353	181 519 553
110	50	63	100	40	50	10	604	181 519 355	181 519 555
110	63	63	100	50	50	10	661	181 519 356	181 519 556

d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H1 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	65	65	117	96	162	12	75	14.0	7	1.9	1.9
25	80	65	133	108	162	16	80	17.5	10	1.9	1.9
25	80	65	133	108	162	16	80	17.5	10	1.9	1.9
32	80	65	142	120	162	19	84	21.5	10	2.4	1.9
32	80	65	142	120	162	19	84	21.5	10	2.4	1.9
32	88	87	145	120	160	19	107	21.5	13	2.4	2.4
40	88	87	149	128	180	23	115	21.5	13	2.4	1.9
40	88	87	149	128	180	23	115	21.5	13	2.4	1.9
40	88	87	149	128	180	23	115	21.5	13	2.4	2.4
40	88	87	174	153	180	23	115	21.5	13	2.4	2.4
50	80	65	160	134	180	27	97	17.5	10	3.0	1.9
50	88	87	160	134	180	28	120	21.5	13	3.0	1.9
50	88	87	160	134	180	28	120	21.5	13	3.0	2.4
50	144	135	209	169	209	33	164	32.0	25	3.0	2.4
50	144	135	209	169	209	33	164	32.0	25	3.0	3.0
63	80	65	177	144	180	33	104	17.5	10	3.0	1.9

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d [mm]	D [mm]	D2 [mm]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H1 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
63	88	87	177	144	180	35	127	21.5	13	3.0	1.9	
63	88	87	177	144	180	35	127	21.5	13	3.0	2.4	
63	144	135	225	192	220	39	170	39.0	25	3.0	2.4	
63	144	135	225	192	220	39	170	39.0	25	3.0	3.0	
63	144	135	225	192	220	39	170	39.0	25	3.0	3.0	
90	88	87	205	159	190	47	140	21.5	13	4.3	1.9	
90	88	87	205	159	190	47	140	21.5	13	4.3	1.9	
90	88	87	205	159	190	47	140	21.5	13	4.3	2.4	
90	144	135	254	207	250	51	184	39.0	25	4.3	3.0	
90	144	135	254	207	250	51	184	39.0	25	4.3	3.0	
110	88	87	227	171	190	56	149	21.5	13	5.3	1.9	
110	88	87	227	171	190	56	149	21.5	13	5.3	1.9	
110	88	87	227	171	190	56	149	21.5	13	5.3	2.4	
110	144	135	276	219	250	60	194	39.0	25	5.3	3.0	
110	144	135	276	219	250	60	194	39.0	25	5.3	3.0	

Diaphragm valves pneumatic

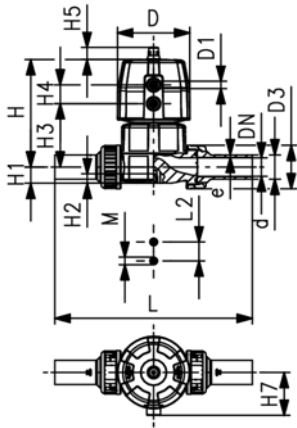
New generation

SYGEF Plus

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

Unions with butt fusion spigots metric



Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

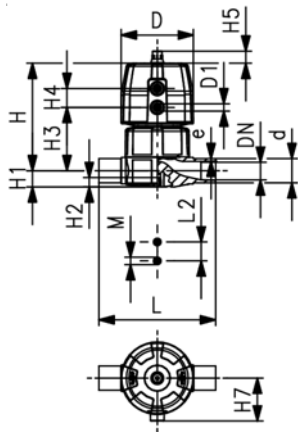
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	180 624 132	180 624 152
25	20	10/10*	271	180 624 133	180 624 153
32	25	10/10*	481	180 624 134	180 624 154
40	32	10/10*	759	180 624 135	180 624 155
50	40	10/10*	1263	180 624 136	180 624 156
63	50	10/6*	1728	180 624 137	180 624 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

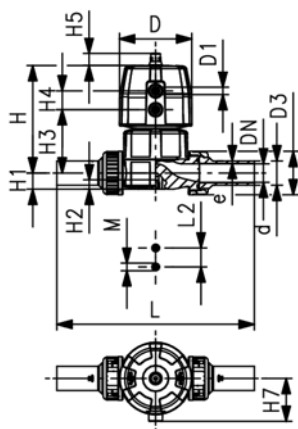
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	180 625 132	180 625 152
25	20	10/10*	271	180 625 133	180 625 153
32	25	10/10*	481	180 625 134	180 625 154
40	32	10/10*	759	180 625 135	180 625 155
50	40	10/10*	1263	180 625 136	180 625 156
63	50	10/6*	1728	180 625 137	180 625 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FO (Fail safe to open)

Unions with butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

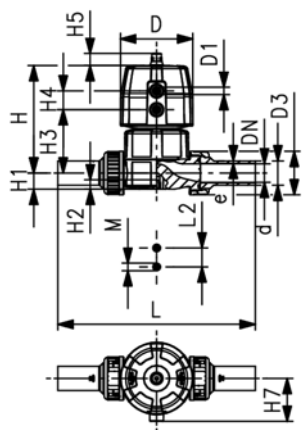
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 644 132
25	20	10/10*	271	180 644 133
32	25	10/10*	481	180 644 134
40	32	10/10*	759	180 644 135
50	40	10/10*	1263	180 644 136
63	50	10/10*	1728	180 644 137

table continued next page



d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

FO (Fail safe to open)

With butt fusion spigots metric

Model:

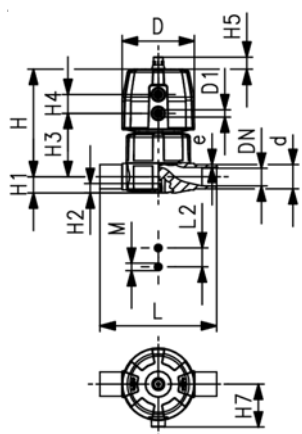
- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

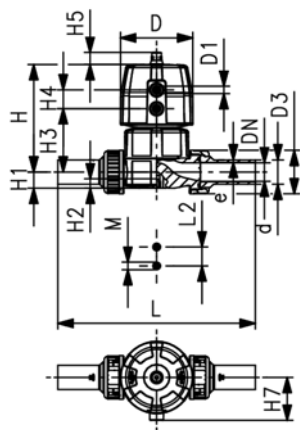
* PN: PTFE

Working Pressure: **one side**



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 645 132
25	20	10/10*	271	180 645 133
32	25	10/10*	481	180 645 134
40	32	10/10*	759	180 645 135
50	40	10/10*	1263	180 645 136
63	50	10/10*	1728	180 645 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

DA (Double acting)

Unions with butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

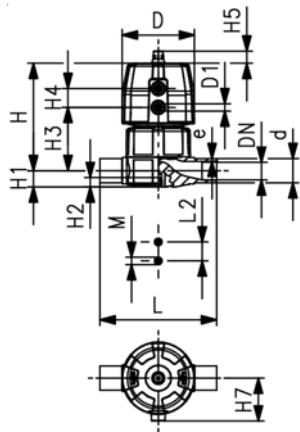
- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10/10*	125	180 654 132
25	20	10/10*	271	180 654 133
32	25	10/10*	481	180 654 134
40	32	10/10*	759	180 654 135
50	40	10/10*	1263	180 654 136
63	50	10/10*	1728	180 654 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	68	1/8	196	25	101	14	12	60	24	16	43	M6	7	1.9
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	96	1/8	234	25	143	22	12	84	25	16	57	M6	13	2.4
40	120	1/8	260	45	173	26	15	99	26	26	69	M8	15	2.4
50	150	1/4	284	45	214	32	15	119	36	26	69	M8	19	3.0
63	150	1/4	321	45	226	39	15	132	36	26	69	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Ten

DA (Double acting)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **one side**

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code											
20	15	10/10*	125	180 655 132											
25	20	10/10*	271	180 655 133											
32	25	10/10*	481	180 655 134											
40	32	10/10*	759	180 655 135											
50	40	10/10*	1263	180 655 136											
63	50	10/10*	1728	180 655 137											

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	68	1/8	124	25	101	14	12	60	24	16	43	M6	7	1.9	
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9	
32	96	1/8	154	25	143	22	12	84	25	16	57	M6	13	2.4	
40	120	1/8	174	45	173	26	15	99	26	26	69	M8	15	2.4	
50	150	1/4	194	45	214	32	15	119	36	26	88	M8	19	3.0	
63	150	1/4	224	45	226	39	15	132	36	26	88	M8	23	3.0	



SYGEF Plus

Diaphragm valve DIASTAR Ten

DA (Double acting)

With butt fusion spigots metric

Model:

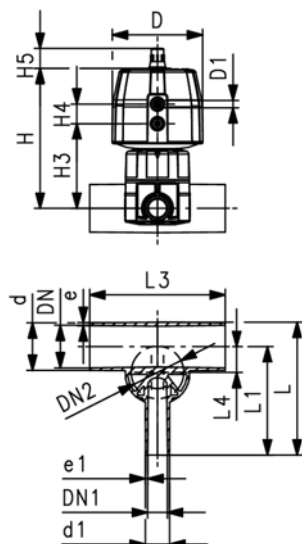
- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

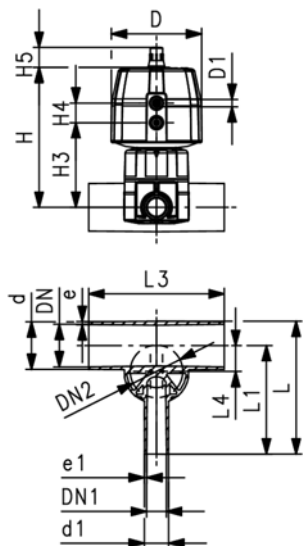
Working Pressure: **one side**



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	20	20	15	15	15	16/10*	57	180 659 301
25	20	25	20	15	20	16/10*	89	180 659 303
25	25	25	20	20	20	16/10*	118	180 659 304
32	20	25	25	15	20	16/10*	80	180 659 307
32	25	25	25	20	20	16/10*	105	180 659 308
32	32	32	25	25	25	16/10*	231	180 659 309
40	20	32	32	15	25	16/10*	85	180 659 312
40	25	32	32	20	25	16/10*	119	180 659 313
40	32	32	32	25	25	16/10*	153	180 659 314
40	40	32	32	32	25	16/10*	187	180 659 315
50	20	25	40	15	20	16/10*	86	180 659 318
50	25	32	40	20	25	16/10*	160	180 659 319
50	32	32	40	25	25	16/10*	206	180 659 320
50	40	63	40	32	50	16/10*	524	180 659 321
50	50	63	40	40	50	16/10*	667	180 659 322
63	20	25	50	15	20	16/10*	84	180 659 325
63	25	32	50	20	25	16/10*	150	180 659 326
63	32	32	50	25	25	16/10*	184	180 659 327
63	40	63	50	32	50	16/10*	471	180 659 328
63	50	63	50	40	50	16/10*	610	180 659 329
63	63	63	50	50	50	16/10*	747	180 659 330
90	20	32	80	15	25	16/10*	82	180 659 341
90	25	32	80	20	25	16/10*	103	180 659 342
90	32	32	80	25	25	16/10*	129	180 659 343
90	50	63	80	40	50	16/10*	623	180 659 345
90	63	63	80	50	50	16/10*	696	180 659 346
110	20	32	100	15	25	16/10*	78	180 659 351
110	25	32	100	20	25	16/10*	103	180 659 352
110	32	32	100	25	25	16/10*	131	180 659 353
110	50	63	100	40	50	16/10*	604	180 659 355
110	63	63	100	50	50	16/10*	661	180 659 356

d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	68	1/8	117	96	162	12	104	63	24	16	7	1.9	1.9
25	96	1/8	133	108	162	16	131	73	25	16	10	2.3	1.9
25	96	1/8	133	108	162	16	131	73	25	16	10	2.3	2.3
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.9	2.3
32	96	1/8	145	120	160	19	143	84	25	16	13	2.9	2.9
40	96	1/8	149	128	180	23	151	92	25	16	13	3.7	1.9
40	96	1/8	149	128	180	23	151	92	25	16	13	3.7	2.3
40	96	1/8	149	128	180	23	151	92	25	16	13	3.7	2.9
40	96	1/8	174	153	180	23	151	92	25	16	13	3.7	3.7
50	96	1/8	160	134	180	27	148	90	25	16	10	4.6	1.9
50	96	1/8	160	134	180	28	156	97	25	16	13	4.6	2.3

table continued next page



d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
50	96	⅜	160	134	180	28	156	97	25	16	13	4.6	2.9
50	150	⅜	209	169	209	33	224	129	36	26	23	4.6	3.7
50	150	⅜	209	169	209	33	224	129	36	26	23	4.6	4.6
63	96	⅜	177	144	180	33	155	96	25	16	10	5.8	1.9
63	96	⅜	177	144	180	35	163	104	25	16	13	5.8	2.3
63	96	⅜	177	144	180	35	163	104	25	16	13	5.8	2.9
63	150	⅜	225	192	220	39	230	136	36	26	23	5.8	3.7
63	150	⅜	225	192	220	39	230	136	36	26	23	5.8	4.6
63	150	⅜	225	192	220	39	230	136	36	26	23	5.8	5.8
90	96	⅜	205	159	190	47	176	117	25	16	13	8.2	1.9
90	96	⅜	205	159	190	47	176	117	25	16	13	8.2	2.3
90	96	⅜	205	159	190	47	176	117	25	16	13	8.2	2.9
90	150	⅜	254	207	250	51	244	150	36	26	23	8.2	4.6
90	150	⅜	254	207	250	51	244	150	36	26	23	8.2	5.8
110	96	⅜	227	171	190	56	185	126	25	16	13	10.0	1.9
110	96	⅜	227	171	190	56	185	126	25	16	13	10.0	2.3
110	96	⅜	227	171	190	56	185	126	25	16	13	10.0	2.9
110	150	⅜	276	219	250	60	254	160	36	26	23	10.0	4.6
110	150	⅜	276	219	250	60	254	160	36	26	23	10.0	5.8



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

Unions with butt fusion spigots metric

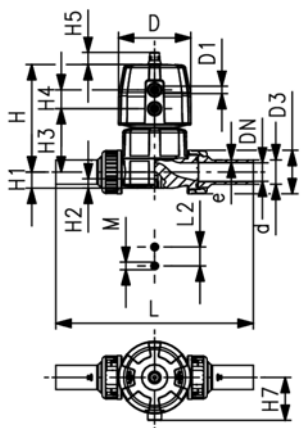
Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	16/16*	125	180 634 132
25	20	16/16*	271	180 634 133
32	25	16/16*	481	180 634 134
40	32	16/16*	759	180 634 135
50	40	16/16*	1263	180 634 136
63	50	16/10*	1728	180 634 137

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	⅜	196	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	⅜	221	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	⅜	234	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	¼	260	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	¼	284	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	¼	321	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

With butt fusion spigots metric

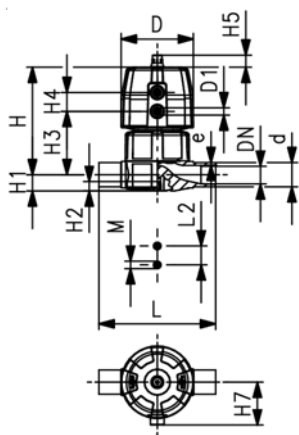
Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code										
20	15	16/16*	125	180 635 132										
25	20	16/16*	271	180 635 133										
32	25	16/16*	481	180 635 134										
40	32	16/16*	759	180 635 135										
50	40	16/16*	1263	180 635 136										
63	50	16/10*	1728	180 635 137										

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR Sixteen

FC (Fail safe to close)

With butt fusion spigots metric

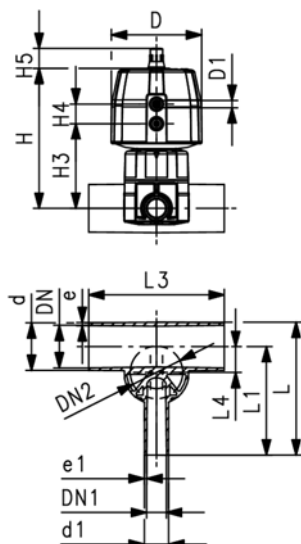
Model:

- Material: PVDF-HP
- Ideally suited for High Purity applications, not recommended for oxidizing acids
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

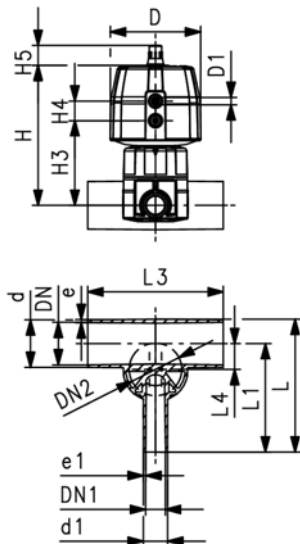
* Available on request



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	20	20	15	15	15	16	57	180 639 301
25	20	25	20	15	20	16	89	180 639 303
25	25	25	20	20	20	16	118	180 639 304
32	20	25	25	15	20	16	80	180 639 307
32	25	25	25	20	20	16	105	180 639 308
32	32	32	25	25	25	16	231	180 639 309
40	20	32	32	15	25	16	85	180 639 312
40	25	32	32	20	25	16	119	180 639 313
40	32	32	32	25	25	16	153	180 639 314
40	40	32	32	32	25	16	187	180 639 315
50	20	25	40	15	20	16	86	180 639 318
50	25	32	40	20	25	16	160	180 639 319
50	32	32	40	25	25	16	206	180 639 320
50	40	63	40	32	50	10	524	180 639 321
50	50	63	40	40	50	10	667	180 639 322
63	20	25	50	15	20	16	84	180 639 325
63	25	32	50	20	25	16	150	180 639 326
63	32	32	50	25	25	16	184	180 639 327
63	40	63	50	32	50	10	471	180 639 328
63	50	63	50	40	50	10	610	180 639 329
63	63	63	50	50	50	10	747	180 639 330
90	20	32	80	15	25	16	82	180 639 341
90	25	32	80	20	25	16	103	180 639 342
90	32	32	80	25	25	16	129	180 639 343
90	50	63	80	40	50	10	623	180 639 345
90	63	63	80	50	50	10	696	180 639 346
110	20	32	100	15	25	16	78	180 639 351
110	25	32	100	20	25	16	103	180 639 352
110	32	32	100	25	25	16	131	180 639 353
110	50	63	100	40	50	10	604	180 639 355
110	63	63	100	50	50	10	661	180 639 356

d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	96	¾	117	96	162	12	130	71	25	16	7	1.9	1.9
25	96	¾	133	108	162	16	131	72	25	16	10	1.9	1.9
25	96	¾	133	108	162	16	131	72	25	16	10	1.9	1.9
32	96	¾	142	120	162	19	135	76	25	16	10	2.4	1.9
32	96	¾	142	120	162	19	135	76	25	16	10	2.4	1.9
32	120	¾	145	120	160	19	167	93	26	26	13	2.4	2.4
40	120	¾	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	¾	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	¾	149	128	180	23	175	101	26	26	13	2.4	2.4
40	120	¾	174	153	180	23	175	101	26	26	13	2.4	2.4
50	96	¾	160	134	180	27	148	90	25	16	10	3.0	1.9
50	120	¾	160	134	180	28	180	106	26	26	13	3.0	1.9

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d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
50	120	1/8	160	134	180	28	180	106	26	26	13	3.0	2.4	
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	2.4	
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	3.0	
63	96	1/8	177	144	180	33	155	96	25	16	10	3.0	1.9	
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	1.9	
63	120	1/8	177	144	180	35	187	113	26	26	13	3.0	2.4	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	2.4	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0	
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9	
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	1.9	
90	120	1/8	205	159	190	47	200	126	26	26	13	4.3	2.4	
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0	
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0	
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9	
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	1.9	
110	120	1/8	227	171	190	56	209	135	26	26	13	5.3	2.4	
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0	
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0	



SYGEF Plus

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

Unions with butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- For easy installation and removal
- Short overall length

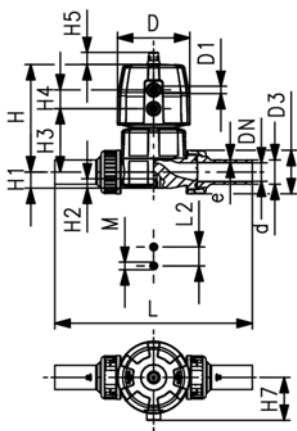
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

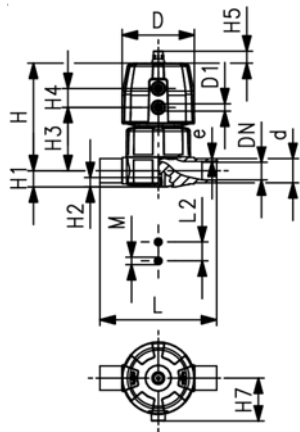
Working Pressure: **both sides**

* PN: PTFE



d [mm]	DN [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code	
20	15	10/10*	125	181 684 132	181 684 152	
25	20	10/10*	271	181 684 133	181 684 153	
32	25	10/10*	481	181 684 134	181 684 154	
40	32	10/10*	759	181 684 135	181 684 155	
50	40	10/10*	1263	181 684 136	181 684 156	
63	50	10/10*	1728	181 684 137	181 684 157	

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]	
20	96	1/8	196	25	127	14	12	68	25	16	57	M6	7	1.9	
25	96	1/8	221	25	132	18	12	73	25	16	57	M6	10	1.9	
32	120	1/8	234	25	167	22	12	93	26	26	69	M6	13	2.4	
40	150	1/4	260	45	196	26	15	101	36	26	88	M8	15	2.4	
50	180	1/4	284	45	239	32	15	124	37	26	103	M8	19	3.0	
63	180	1/4	321	45	251	39	15	137	37	26	103	M8	23	3.0	



SYGEF Plus

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals

Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

* PN: PTFE

d [mm]	DN [mm]	PN* [bar]	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	15	10/10*	125	181 685 132	181 685 152
25	20	10/10*	271	181 685 133	181 685 153
32	25	10/10*	481	181 685 134	181 685 154
40	32	10/10*	759	181 685 135	181 685 155
50	40	10/10*	1263	181 685 136	181 685 156
63	50	10/10*	1728	181 685 137	181 685 157

d [mm]	D [mm]	D1_G [inch]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H7 [mm]	M	Lift = Hx [mm]	e [mm]
20	96	1/8	124	25	127	14	12	68	25	16	57	M6	7	1.9
25	96	1/8	144	25	132	18	12	73	25	16	57	M6	10	1.9
32	120	1/8	154	25	167	22	12	93	26	26	69	M6	13	2.4
40	150	1/4	174	45	196	26	15	101	36	26	88	M8	15	2.4
50	180	1/4	194	45	239	32	15	124	37	26	103	M8	19	3.0
63	180	1/4	224	45	251	39	15	137	37	26	103	M8	23	3.0



SYGEF Plus

Diaphragm valve DIASTAR TenPlus

FC (Fail safe to close)

With butt fusion spigots metric

Model:

- Material: PVDF-HP
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Rotating air connection at 90° intervals
- Smallest possible dead space

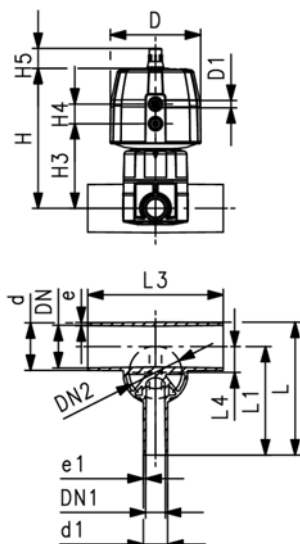
Option:

- Individual configuration of the valve (see diagram)
- Comprehensive range of accessories available

* PN: PTFE

Working Pressure: **both sides**

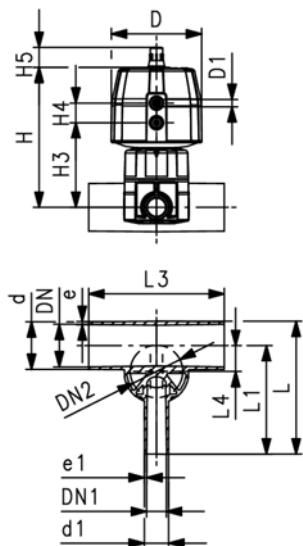
* Available on request



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN* [bar]	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	PTFE/FPM Code
20	20	20	15	15	15	10/10*	57	181 689 301	181 689 501
25	20	25	20	15	20	10/10*	89	181 689 303	181 689 503
25	25	25	20	20	20	10/10*	118	181 689 304	181 689 504
32	20	25	25	15	20	10/10*	80	181 689 307	181 689 507
32	25	25	25	20	20	10/10*	105	181 689 308	181 689 508
32	32	32	25	25	25	10/10*	231	181 689 309	181 689 509
40	20	32	32	15	25	10/10*	85	181 689 312	181 689 512
40	25	32	32	20	25	10/10*	119	181 689 313	181 689 513
40	32	32	32	25	25	10/10*	153	181 689 314	181 689 514
40	40	32	32	32	25	10/10*	187	181 689 315	181 689 515
50	20	25	40	15	20	10/10*	86	181 689 318	181 689 518
50	25	32	40	20	25	10/10*	160	181 689 319	181 689 519
50	32	32	40	25	25	10/10*	206	181 689 320	181 689 520
50	40	63	40	32	50	10/10*	524	181 689 321	181 689 521
50	50	63	40	40	50	10/10*	667	181 689 322	181 689 522
63	20	25	50	15	20	10/10*	84	181 689 325	181 689 525
63	25	32	50	20	25	10/10*	150	181 689 326	181 689 526
63	32	32	50	25	25	10/10*	184	181 689 327	181 689 527
63	40	63	50	32	50	10/10*	471	181 689 328	181 689 528
63	50	63	50	40	50	10/10*	610	181 689 329	181 689 529
63	63	63	50	50	50	10/10*	747	181 689 330	181 689 530
90	20	32	80	15	25	10/10*	82	181 689 341	181 689 541
90	25	32	80	20	25	10/10*	103	181 689 342	181 689 542
90	32	32	80	25	25	10/10*	129	181 689 343	181 689 543
90	50	63	80	40	50	10/10*	623	181 689 345	181 689 545
90	63	63	80	50	50	10/10*	696	181 689 346	181 689 546
110	20	32	100	15	25	10/10*	78	181 689 351	181 689 551
110	25	32	100	20	25	10/10*	103	181 689 352	181 689 552
110	32	32	100	25	25	10/10*	131	181 689 353	181 689 553
110	50	63	100	40	50	10/10*	604	181 689 355	181 689 555
110	63	63	100	50	50	10/10*	661	181 689 356	181 689 556

d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]
20	96	1/8	117	96	162	12	130	71	25	16	7	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	1.9	1.9
25	96	1/8	133	108	162	16	131	72	25	16	10	1.9	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.4	1.9
32	96	1/8	142	120	162	19	135	76	25	16	10	2.4	1.9
32	120	1/8	145	120	160	19	167	93	26	26	13	2.4	2.4
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	1.9
40	120	1/8	149	128	180	23	175	101	26	26	13	2.4	2.4
40	120	1/8	174	153	180	23	175	101	26	26	13	2.4	2.4
50	96	1/8	160	134	180	27	148	90	25	16	10	3.0	1.9

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d [mm]	D [mm]	D1 [inch]	L [mm]	L1 [mm]	L3 [mm]	L4 [mm]	H [mm]	H3 [mm]	H4 [mm]	H5 [mm]	Lift = Hx [mm]	e [mm]	e1 [mm]	
50	120	1/4	160	134	180	28	180	106	26	26	13	3.0	1.9	
50	120	1/4	160	134	180	28	180	106	26	26	13	3.0	2.4	
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	2.4	
50	180	1/4	209	169	209	33	249	135	37	26	23	3.0	3.0	
63	96	1/4	177	144	180	33	155	96	25	16	10	3.0	1.9	
63	120	1/4	177	144	180	35	187	113	26	26	13	3.0	1.9	
63	120	1/4	177	144	180	35	187	113	26	26	13	3.0	2.4	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	2.4	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0	
63	180	1/4	225	192	220	39	255	141	37	26	23	3.0	3.0	
90	120	1/4	205	159	190	47	200	126	26	26	13	4.3	1.9	
90	120	1/4	205	159	190	47	200	126	26	26	13	4.3	1.9	
90	120	1/4	205	159	190	47	200	126	26	26	13	4.3	2.4	
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0	
90	180	1/4	254	207	250	51	269	155	37	26	23	4.3	3.0	
110	120	1/4	227	171	190	56	209	135	26	26	13	5.3	1.9	
110	120	1/4	227	171	190	56	209	135	26	26	13	5.3	1.9	
110	120	1/4	227	171	190	56	209	135	26	26	13	5.3	2.4	
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0	
110	180	1/4	276	219	250	60	279	165	37	26	23	5.3	3.0	

Spare parts diaphragm valves new generation

Spare parts for hand-operated valves Type 514/515/517/519



Bonnet complete

d [mm]	Inch	DN [mm]	Standard configuration PN10 Code	For pressure tight housing PN10 Code	Standard configuration PN16 Code	
20	1/2	15	198 151 742	198 151 752	198 151 842	
25	3/4	20	198 151 743	198 151 753	198 151 843	
32	1	25	198 151 744	198 151 754	198 151 844	
40	1 1/4	32	198 151 745	198 151 755	198 151 845	
50	1 1/2	40	198 151 746	198 151 756	198 151 846	
63	2	50	198 151 747	198 151 757	198 151 847	

d [mm]	Inch	DN [mm]	For pressure tight housing PN16 Code	
20	1/2	15	198 151 852	
25	3/4	20	198 151 853	
32	1	25	198 151 854	
40	1 1/4	32	198 151 855	
50	1 1/2	40	198 151 856	
63	2	50	198 151 857	

Hand wheel

Model:

- Without position indicator



DN [mm]	Code	
15 - 20	198 204 162	
25 - 32	198 204 164	
40 - 50	198 104 166	



Position indicator

d [mm]	Inch	DN [mm]	Code	
20	¾	15	167 484 992	
25	¾	20	167 484 993	
32	1	25	167 484 994	
40	1 ¼	32	167 484 995	
50	1 ½	40	167 484 996	
63	2	50	167 484 997	



Spindle assembly

Model:

- Incl. position indicator and compressor

DN-DN [mm]	Code	
15 - 20	198 204 327	
25 - 32	198 204 328	
40 - 50	198 204 329	



Seal set

Model:

- For manual valve - pressure tight housing
- Incl. position indicator

d [mm]	Inch	DN [mm]	EPDM Code	
20	¾	15	198 000 892	
25	¾	20	198 000 893	
32	1	25	198 000 894	
40	1 ¼	32	198 000 895	
50	1 ½	40	198 000 896	
63	2	50	198 000 897	

Spare parts for automatic valves Diastar Six/Ten/Sixteen



Actuators

d [mm]	Inch	DN [mm]	Diastar Six Code	Diastar Ten Code	Diastar Ten+ FC Code	Diastar Sixteen FC Code	
20	½	15	198 151 762	198 151 772	198 153 062	198 151 782	
25	¾	20	198 151 763	198 151 773	198 153 063	198 151 783	
32	1	25	198 151 764	198 151 774	198 153 064	198 151 784	
40	1 ¼	32	198 151 765	198 151 775	198 153 065	198 151 785	
50	1 ½	40	198 151 766	198 151 776	198 153 066	198 151 786	
63	2	50	198 151 767	198 151 777	198 153 067	198 151 787	

d [mm]	Inch	DN [mm]	Diastar Ten FO Code	Diastar Ten DA Code	
20	½	15	198 151 792	198 151 802	
25	¾	20	198 151 793	198 151 803	
32	1	25	198 151 794	198 151 804	
40	1 ¼	32	198 151 795	198 151 805	
50	1 ½	40	198 151 796	198 151 806	
63	2	50	198 151 797	198 151 807	

Indicator cap



Size	Code	
1-2	198 806 639	
3-5	198 806 640	



Compressor set

Model:

- Incl. diaphragm holder

d [mm]	Inch	DN [mm]	Code	
20	1/2	15	198 000 872	
25	3/4	20	198 000 873	
32	1	25	198 000 874	
40	1 1/4	32	198 000 875	
50	1 1/2	40	198 000 876	
63	2	50	198 000 877	

Seal set

Model:

- Spindle seal and piston seal



Size	Diastar Six/Ten/ Sixteen Code	Only for Diastar Six DN40/DN50 Code	
Gr. 1	198 000 881	-	
Gr. 2	198 000 882	-	
Gr. 3	198 000 883	198 000 886	
Gr. 4	198 000 884	-	
Gr. 5	198 000 885	-	

Spare parts diaphragm

For type 514/515/517/519



d [mm]	Inch	DN [mm]	NBR Code	EPDM Code	FPM Code	PTFE/EPDM Code	PTFE/EPDM HP Code	
20	1/2	15	745 500 012	748 500 012	749 500 012	747 502 012	747 502 032	
25	3/4	20	745 500 013	748 500 013	749 500 013	747 502 013	747 502 033	
32	1	25	745 500 014	748 500 014	749 500 014	747 502 014	747 502 034	
40	1 1/4	32	745 500 015	748 500 015	749 500 015	747 502 015	747 502 035	
50	1 1/2	40	745 500 016	748 500 016	749 500 016	747 502 016	747 502 036	
63	2	50	745 500 017	748 500 017	749 500 017	747 502 017	747 502 037	

d [mm]	Inch	DN [mm]	PTFE/FPM Code	
20	1/2	15	747 503 012	
25	3/4	20	747 503 013	
32	1	25	747 503 014	
40	1 1/4	32	747 503 015	
50	1 1/2	40	747 503 016	
63	2	50	747 503 017	

Spare parts for valve body type 514

Valve body with true union

Model:

- Without connection parts



d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	
20	1/2	15	161 492 062	163 482 052	169 481 322	167 483 522	175 483 682	
25	3/4	20	161 492 063	163 482 053	169 481 323	167 483 523	175 483 683	
32	1	25	161 492 064	163 482 054	169 481 324	167 483 524	175 483 684	
40	1 1/4	32	161 492 065	163 482 055	169 481 325	167 483 525	175 483 685	
50	1 1/2	40	161 492 066	163 482 056	169 481 326	167 483 526	175 483 686	
63	2	50	161 492 067	163 482 057	169 481 327	167 483 527	175 483 687	

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d [mm]	Inch	DN [mm]	PVDF HP Code	
20	½	15	180 001 002	
25	¾	20	180 001 003	
32	1	25	180 001 004	
40	1 ¼	32	180 001 005	
50	1 ½	40	180 001 006	
63	2	50	180 001 007	



Union end

d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-U JIS Code	PVC-U BS Code	PVC-U ASTM Code	PP-H metric Code	
20	½	15	721 600 106	721 605 106	721 601 106	721 602 006	727 600 106	
25	¾	20	721 600 107	721 605 107	721 601 107	721 602 007	727 600 107	
32	1	25	721 600 108	721 605 108	721 601 108	721 602 008	727 600 108	
40	1 ¼	32	721 600 109	721 605 109	721 601 109	721 602 009	727 600 109	
50	1 ½	40	721 600 110	721 605 110	721 601 110	721 602 010	727 600 110	
63	2	50	721 600 111	721 605 111	721 601 111	721 602 011	727 600 111	

d [mm]	Inch	DN [mm]	PVDF metric Code	
20	½	15	735 600 106	
25	¾	20	735 600 107	
32	1	25	735 600 108	
40	1 ¼	32	735 600 109	
50	1 ½	40	735 600 110	
63	2	50	735 600 111	



Union nut

d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	
20	½	15	721 690 006	723 690 006	729 690 406	727 690 406	735 690 406	
25	¾	20	721 690 007	723 690 007	729 690 407	727 690 407	735 690 407	
32	1	25	721 690 008	723 690 008	729 690 408	727 690 408	735 690 408	
40	1 ¼	32	721 690 009	723 690 009	729 690 409	727 690 409	735 690 409	
50	1 ½	40	721 690 010	723 690 010	729 690 410	727 690 410	735 690 410	
63	2	50	721 690 011	723 690 011	729 690 411	727 690 411	735 690 411	



O-ring

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	FPM for PVDF standard Code	FPM for PVDF-HP Code	
20	½	15	748 410 006	749 410 006	749 410 005	749 411 005	
25	¾	20	748 410 007	749 410 007	749 410 006	749 411 006	
32	1	25	748 410 008	749 410 008	749 410 120	749 411 120	
40	1 ¼	32	748 410 009	749 410 009	749 410 062	749 411 062	
50	1 ½	40	748 410 010	749 410 010	749 410 172	749 411 172	
63	2	50	748 410 011	749 410 011	749 410 054	749 411 054	

Spare parts for valve body type 515

Valve body with spigot ends



d [mm]	Inch	DN [mm]	PVC-U solvent cement spigot Code	PVC-C solvent cement spigot Code	ABS solvent cement spigot Code	
20	½	15	161 492 072	163 482 062	169 481 862	
25	¾	20	161 492 073	163 482 063	169 481 863	
32	1	25	161 492 074	163 482 064	169 481 864	
40	1 ¼	32	161 492 075	163 482 065	169 481 865	
50	1 ½	40	161 492 076	163 482 066	169 481 866	
63	2	50	161 492 077	163 482 067	169 481 867	



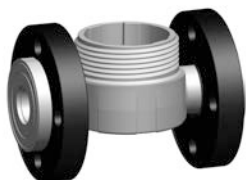
d [mm]	Inch	DN [mm]	PP-H socket fusion spigot Code	PP-H butt fusion spigot IR Code	PP-N butt fusion spigot IR Code	
20	½	15	167 483 342	167 483 882	168 480 462	
25	¾	20	167 483 343	167 483 883	168 480 463	
32	1	25	167 483 344	167 483 884	168 480 464	
40	1 ¼	32	167 483 345	167 483 885	168 480 465	
50	1 ½	40	167 483 346	167 483 886	168 480 466	
63	2	50	167 483 347	167 483 887	168 480 467	



d [mm]	Inch	DN [mm]	PVDF socket fusion spigot Code	PVDF butt fusion spigot IR Code	PVDF-HP butt fusion spigot IR Code	
20	½	15	175 483 692	175 483 742	180 001 012	
25	¾	20	175 483 693	175 483 743	180 001 013	
32	1	25	175 483 694	175 483 744	180 001 014	
40	1 ¼	32	175 483 695	175 483 745	180 001 015	
50	1 ½	40	175 483 696	175 483 746	180 001 016	
63	2	50	175 483 697	175 483 747	180 001 017	

Spare parts for valve body type 517

Valve body with flange connection



d [mm]	Inch	DN [mm]	PVC-U JIS Code	PP-H JIS Code	PVDF JIS Code	
20	½	15	161 480 282	167 484 402	175 483 532	
25	¾	20	161 480 283	167 484 403	175 483 533	
32	1	25	161 480 284	167 484 404	175 483 534	
40	1 ¼	32	161 480 285	167 484 405	175 483 535	
50	1 ½	40	161 480 286	167 484 406	175 483 536	
63	2	50	161 480 287	167 484 407	175 483 537	

Flange adaptor flat



d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-C metric Code	ABS metric Code	PP-H metric Code	
20	½	15	721 800 106	723 790 106	729 790 106	727 790 206	
25	¾	20	721 800 107	723 790 107	729 790 107	727 790 207	
32	1	25	721 800 108	723 790 108	729 790 108	727 790 208	
40	1 ¼	32	721 800 109	723 790 109	729 790 109	727 790 209	
50	1 ½	40	721 800 110	723 790 110	729 790 110	727 790 210	
63	2	50	721 790 111	723 790 111	729 790 111	727 790 211	

d [mm]	Inch	DN [mm]	PVDF metric Code	
20	½	15	735 790 206	
25	¾	20	735 790 207	
32	1	25	735 790 208	

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d [mm]	Inch	DN [mm]	PVDF metric Code	
40	1 ¼	32	735 790 209	
50	1 ½	40	735 790 210	
63	2	50	735 790 211	



Flange

d [mm]	Inch	DN [mm]	PVC-U metric Code	PVC-U ASTM Code	PP-V metric Code	PP-V ASTM Code	PP-ST metric Code	
20	½	15	721 700 006	721 702 206	727 700 406	727 701 406	727 700 206	
25	¾	20	721 700 007	721 702 207	727 700 407	727 701 407	727 700 207	
32	1	25	721 700 008	721 702 208	727 700 408	727 701 408	727 700 208	
40	1 ¼	32	721 700 009	721 702 209	727 700 409	727 701 409	727 700 209	
50	1 ½	40	721 700 010	721 702 210	727 700 410	727 701 410	727 700 210	
63	2	50	721 700 011	721 702 211	727 700 411	727 701 411	727 700 211	

d [mm]	Inch	DN [mm]	PP-ST ASTM Code	
20	½	15	727 701 206	
25	¾	20	727 701 207	
32	1	25	727 701 208	
40	1 ¼	32	727 701 209	
50	1 ½	40	727 701 210	
63	2	50	727 701 211	



Flat gasket

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
20	½	15	748 400 006	749 400 006	
25	¾	20	748 400 007	749 400 007	
32	1	25	748 400 008	749 400 008	
40	1 ¼	32	748 400 009	749 400 009	
50	1 ½	40	748 400 010	749 400 010	
63	2	50	748 400 011	749 400 011	

Spare parts for valve body type 519

Valve body with butt fusion spigot



d [mm]	Inch	PP-H Code	PP-Natur Code	PVDF-HP Code	
20 - 20	½	167 485 911	168 480 601	180 001 101	
25 - 20	¾	167 485 912	168 480 602	180 001 102	
25 - 25	¾	167 485 913	168 480 603	180 001 103	
32 - 20	1	167 485 914	168 480 604	180 001 104	
32 - 25	1	167 485 915	168 480 605	180 001 105	
32 - 32	1	167 485 916	168 480 606	180 001 106	
40 - 20	1 ¼	167 485 917	168 480 607	180 001 107	
40 - 25	1 ¼	-	-	180 001 108	
40 - 32	1 ¼	-	-	180 001 109	
40 - 40	1 ¼	-	-	180 001 110	
50 - 20	1 ½	167 485 922	168 480 611	180 001 111	
50 - 25	1 ½	167 485 923	168 480 612	180 001 112	
50 - 32	1 ½	167 485 924	168 480 613	180 001 113	
50 - 40	1 ½	-	-	180 001 114	
50 - 50	1 ½	-	-	180 001 115	
63 - 20	2	167 485 927	168 480 616	180 001 116	
63 - 25	2	167 485 928	168 480 617	180 001 117	
63 - 32	2	167 485 929	168 480 618	180 001 118	
63 - 40	2	-	-	180 001 119	
63 - 50	2	-	-	180 001 120	
63 - 63	2	-	-	180 001 121	
90 - 25	3	-	-	180 001 126	
90 - 32	3	-	-	180 001 127	

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d [mm]	Inch	PP-H Code	PP-Natur Code	PVDF-HP Code	
90 - 50	3	-	-	180 001 128	
90 - 63	3	-	-	180 001 129	
110 - 20	4	-	-	180 001 130	
110 - 25	4	-	-	180 001 131	
110 - 32	4	-	-	180 001 132	
110 - 50	4	-	-	180 001 133	
110 - 63	4	-	-	180 001 134	

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161 492 072	220
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161 517 004	15	161 517 926	63	161 617 017	18
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