

Product Range

Butterfly Valve Type 567



List of Abbreviations

ANSI	American National Standard Institute
ASTM	American Society for Testing and Materials
BS	British Standard
DIN	Deutsche Industrie-Normen
ISO	International Standardization Organization
ABS	Acrylnitrile-Butadiene-Styrene
PVC-U	Polyvinyl chloride, unplasticized
PVC-C	Polyvinyl chloride, post-chlorinated
PP-H	Polypropylene, Homopolymeride
PE	Polyethylene
PVDF	Polyvinylidene fluoride
EPDM	Ethylene-Propylene-Rubber
FPM	Fluororubber, e.g. Viton®
PTFE	Polytetrafluoroethylene, e.g. Teflon®
d	Pipe outer diameter
DN	Nominal diameter
PN	Nominal pressure at 20 °C, water
kg	Weight in kilograms
®	Registered trademark

The technical data are not binding and not expressly warranted characteristics of the goods. They are subject to change. Our General Conditions of Sale apply.

Dimensions

All dimensions are given in mm.

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Assembly parts electric and pneumatic, actuators intermediate elements

57

Flange adaptor

64

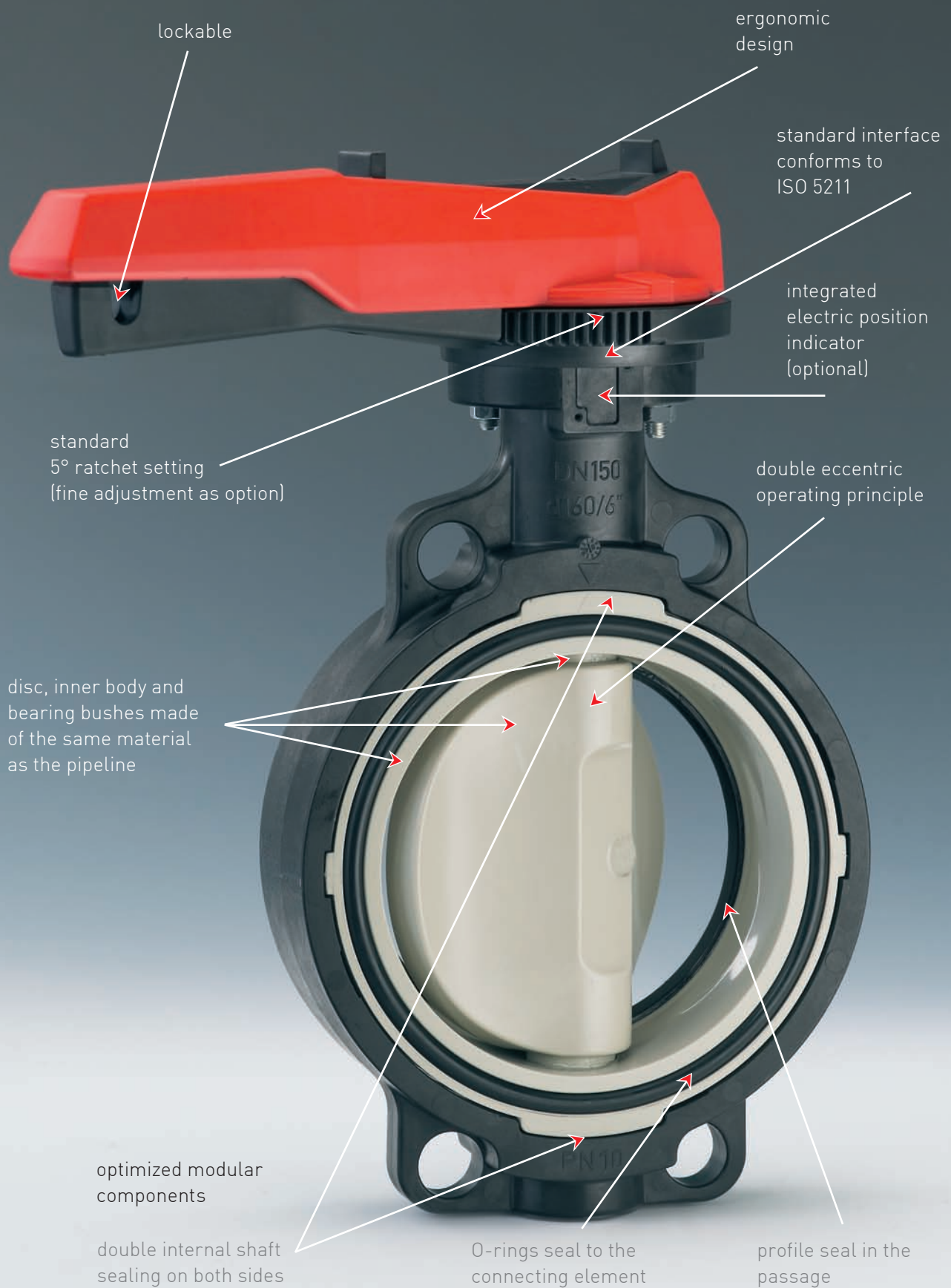
Position indicator

74

Spare parts

75

➤ A winner in every detail



One system - many options

Georg Fischer presents the new **567/568 type series of butterfly valves with a comprehensive range of products and a multitude of interesting combination possibilities.**

We can offer you, for example, manual valves with hand lever or reduction gear. The program also includes pneumatically or electrically actuated valves from DN50 to DN300.

Our system's modular design principle allows you to exchange individual system components – fast, easily and at very little expense.

You also have a choice of materials: PVC-U, PVC-C, ABS, or b-PP-H and PVDF.

Our standard sealing materials are EPDM and FPM, but other materials are available on request.

All the customary installation pipe standards are supplied:

- metric: DIN, EN, ISO
- inch: BS, ASTM
- JIS (only wafer-type valves)

With this wide range of products to choose from you can always be sure of having the best possible solution for your application.

The new butterfly valves type 567/568 from Georg Fischer

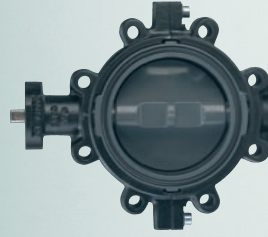
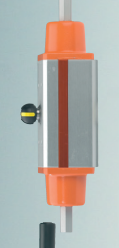
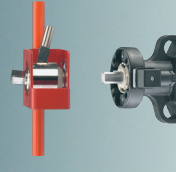
Piping Systems conform to the following international standards:

prEN ISO 16136
Industrial valves – butterfly valves in thermoplastic materials
ISO9393

Thermoplastic valves – pressure test methods and requirements
EN558

Face-to-face length of butterfly valves corresponds to EN558

Approvals pending:
DIBt, NSF61, TA Luft



Standard
Lug-type butterfly valve/
end installation
Type 568



Standard
Wafer-type butterfly
valve
Type 567



Butterfly valve
with fine adjustment



Butterfly valve
with reduction gear



Butterfly valve
with pneumatic actuator
– single acting



Butterfly valve
with pneumatic actuator
– double acting; optional
manual override



Butterfly valve with
electric actuator;
optional manual override
and electric position
indicator

➤ Strong features for strong arguments

Now in the material
PVDF available
Higher nominal pressure
by improved design

standard interface
per ISO 5211

robust outer body of PP-GF
30; connecting dimensions
according to
ISO, BS, ANSI, JIS

double eccentric
operating principle

disc, inner body and
bearing bushes made
of the same material as
the pipeline.
Your benefit: better re-
sistance to corrosion

optimized modular
components:

profile seal in the
passage

special seal to the
connecting element



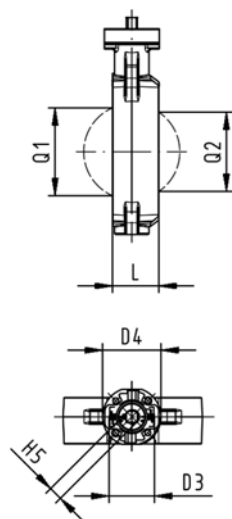
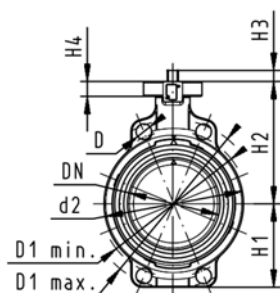
Butterfly valves PVC-U

Butterfly valve type 567 PVC-U Bare shaft



Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Interface F07 for the dimensions DN50-200 according to DIN/ISO 5211
- Interface F10 for the dimensions DN250-300 according to DIN/ISO 5211



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	161 567 802	161 567 822
75	65	2 ½	10	2200	161 567 803	161 567 823
90	80	3	10	3000	161 567 804	161 567 824
110	100	4	10	6500	161 567 805	161 567 825
140	125	5	10	11500	161 567 806	161 567 826
160	150	6	10	16600	161 567 807	161 567 827
225	200	8	10	39600	161 567 808	161 567 828
280	250	10	10	55200	161 567 809	161 567 829
315	300	12	10	80000	161 567 810	161 567 830

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	Q1 [mm]
63	19	120.0	125.0	104	70	90	222	77	134	27	23	11	45	40
75	19	139.7	145.0	115	70	90	235	83	140	27	23	11	46	54
90	19	150.0	160.0	131	70	90	247	89	146	27	23	11	49	67
110	19	175.0	190.5	161	70	90	287	104	167	16	23	14	56	88
140	23	210.0	215.9	187	70	90	313	117	181	16	23	14	64	113
160	24	241.3	241.3	215	70	90	335	130	189	19	23	17	72	139
225	23	290.0	295.0	267	70	90	387	158	210	19	23	17	73	178
280	25	353.0	362.0	329	102	125	509	205	264	40	23	22	113	210
315	25	400.0	432.0	379	102	125	553	228	285	40	23	22	113	256

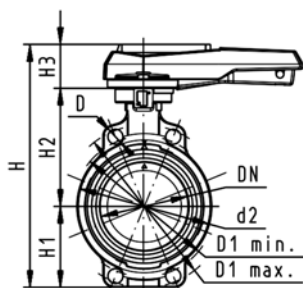
d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253



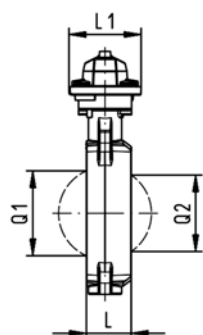
Butterfly valve type 567 PVC-U Hand lever with ratchet settings

Model:

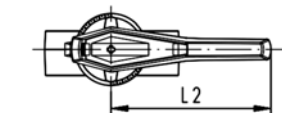
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- We recommend for the dimensions DN250 and DN300 only 6 bar maximum system pressure for the hand lever version

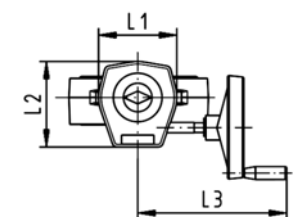
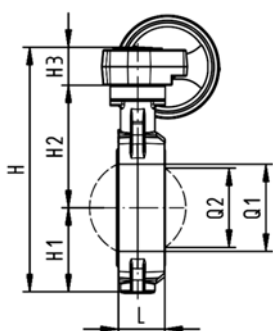
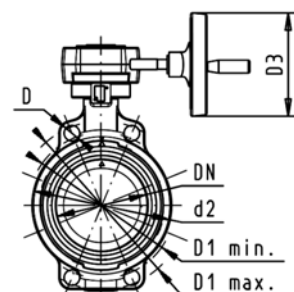


d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	161 567 002	161 567 022	
75	65	2 ½	10	2200	161 567 003	161 567 023	
90	80	3	10	3000	161 567 004	161 567 024	
110	100	4	10	6500	161 567 005	161 567 025	
140	125	5	10	11500	161 567 006	161 567 026	
160	150	6	10	16600	161 567 007	161 567 027	
225	200	8	10	39600	161 567 008	161 567 028	
280	250	10	10	55200	161 567 009	161 567 029	
315	300	12	10	80000	161 567 010	161 567 030	



d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40		
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35	
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50	
110	19	175.0	190.5	161	325	104	167	55	56	106	255	88	74	
140	23	210.0	215.9	187	352	117	181	55	64	106	255	113	97	
160	24	241.3	241.3	215	373	130	189	55	72	106	255	139	123	
225	23	290.0	295.0	267	435	158	210	67	73	140	408	178	169	
280	25	353.0	362.0	329	554	205	264	85	113	149	408	210	207	
315	25	400.0	432.0	379	598	228	285	85	113	149	408	256	253	





Butterfly valve type 567 PVC-U Reduction gear with handwheel

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752

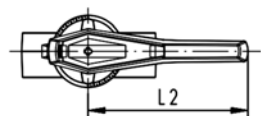
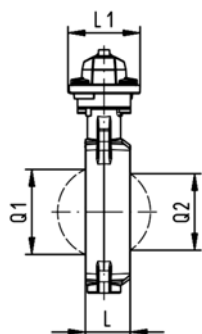
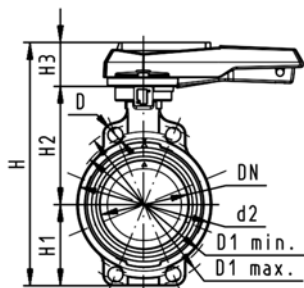
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	161 567 042	161 567 062
75	65	2 ½	10	2200	161 567 043	161 567 063
90	80	3	10	3000	161 567 044	161 567 064
110	100	4	10	6500	161 567 045	161 567 065
140	125	5	10	11500	161 567 046	161 567 066
160	150	6	10	16600	161 567 047	161 567 067
225	200	8	10	39600	161 567 048	161 567 068
280	250	10	10	55200	161 567 049	161 567 069
315	300	12	10	80000	161 567 050	161 567 070

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
63	19	120.0	125.0	104	160	278	77	134	60	45	120	132	236	40
75	19	139.7	145.0	115	160	291	83	140	60	46	120	132	236	54
90	19	150.0	160.0	131	160	303	89	146	60	49	120	132	236	67
110	19	175.0	190.5	160	160	339	104	167	60	56	120	132	236	88
140	23	210.0	215.9	187	160	365	117	181	60	64	120	132	236	113
160	24	241.3	241.3	215	160	387	130	189	60	72	120	132	236	139
225	23	290.0	295.0	267	160	436	158	210	60	73	120	132	236	178
280	25	353.0	362.0	329	160	529	205	264	60	113	134	151	261	210
315	25	400.0	432.0	379	160	573	228	285	60	113	134	151	261	256

d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253

Butterfly valves PVC-U SF

Butterfly valve type 567 PVC-U SF Hand lever with ratchet settings



Model:

- Silicone free / paint-compatible
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	161 567 402	161 567 422
75	65	2 ½	10	2200	161 567 403	161 567 423
90	80	3	10	3000	161 567 404	161 567 424
110	100	4	10	6500	161 567 405	161 567 425
140	125	5	10	11500	161 567 406	161 567 426
160	150	6	10	16600	161 567 407	161 567 427
225	200	8	10	39600	161 567 408	161 567 428

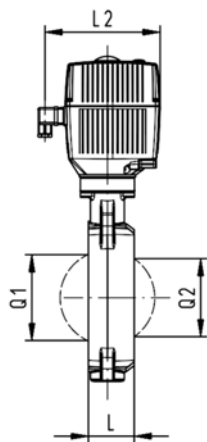
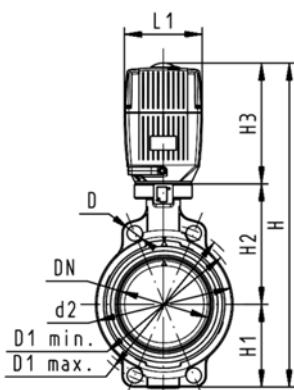
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40	
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50
110	19	175.0	190.5	161	325	104	167	55	56	106	255	88	74
140	23	210.0	215.9	187	352	117	181	55	64	106	255	113	97
160	24	241.3	241.3	215	373	130	189	55	72	106	255	139	123
225	23	290.0	295.0	267	435	158	210	67	73	140	408	178	169

Butterfly valves electric PVC-U

Butterfly valve type 140 PVC-U 100-230V Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard
- The dimension DN300 on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 140 042	199 140 062	
75	65	2 1/2	10	2200	199 140 043	199 140 063	
90	80	3	10	3000	199 140 044	199 140 064	
110	100	4	10	6500	199 140 045	199 140 065	
140	125	5	10	11500	199 140 046	199 140 066	
160	150	6	10	16600	199 140 047	199 140 067	
225	200	8	10	39600	199 140 048	199 140 068	
280	250	10	6	55200	199 140 049	199 140 069	
315	300	12	4	80000	199 140 050	199 140 070	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40	
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54	
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67	
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88	
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113	
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139	
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178	
280	EA-42	25	353.0	362.0	329	677	205	264	208	113	122	180	210	
315	EA-42	25	400.0	432.0	379	721	228	285	208	113	122	180	256	

d [mm]	Q2 [mm]	
63		
75	35	
90	50	
110	74	
140	97	
160	123	
225	169	
280	207	
315	253	

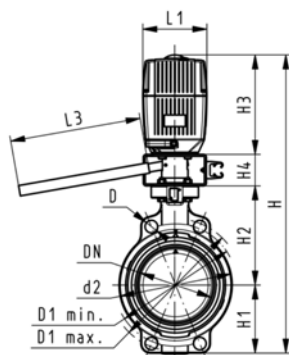


Butterfly valve type 140 PVC-U 100-230V With manual override

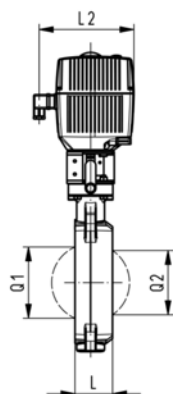
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

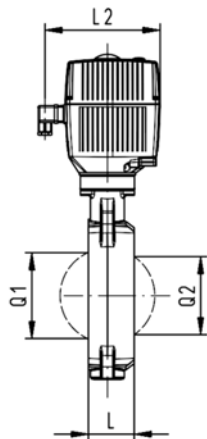
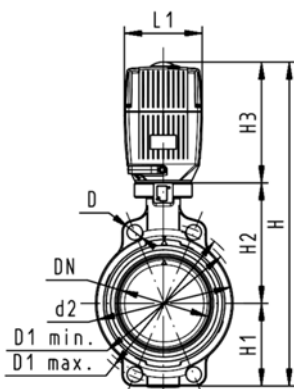
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 002	199 140 022
75	65	2 ½	10	2200	199 140 003	199 140 023
90	80	3	10	3000	199 140 004	199 140 024
110	100	4	10	6500	199 140 005	199 140 025
140	125	5	10	11500	199 140 006	199 140 026
160	150	6	10	16600	199 140 007	199 140 027
225	200	8	10	39600	199 140 008	199 140 028



d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180



d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	250	40	
75	250	54	35
90	250	67	50
110	250	88	74
140	250	113	97
160	250	139	123
225	250	178	169



Butterfly valve type 140 PVC-U 24V Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard
- The dimension DN300 on request

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 122	199 140 142
75	65	2 ½	10	2200	199 140 123	199 140 143
90	80	3	10	3000	199 140 124	199 140 144
110	100	4	10	6500	199 140 125	199 140 145
140	125	5	10	11500	199 140 126	199 140 146
160	150	6	10	16600	199 140 127	199 140 147
225	200	8	10	39600	199 140 128	199 140 148
280	250	10	6	55200	199 140 129	199 140 149
315	300	12	4	80000	199 140 130	199 140 150

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178
280	EA-42	25	353.0	362.0	329	677	205	264	208	113	122	180	210
315	EA-42	25	400.0	432.0	379	721	228	285	208	113	122	180	256

d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253

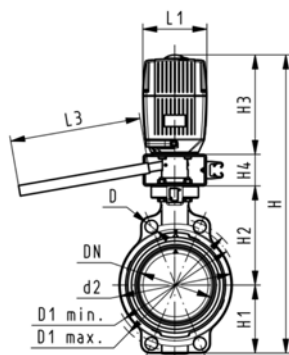


Butterfly valve type 140 PVC-U 24V With manual override

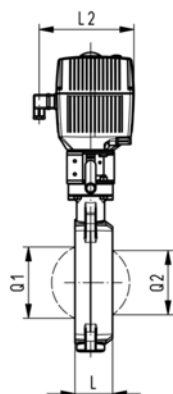
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 082	199 140 102
75	65	2 ½	10	2200	199 140 083	199 140 103
90	80	3	10	3000	199 140 084	199 140 104
110	100	4	10	6500	199 140 085	199 140 105
140	125	5	10	11500	199 140 086	199 140 106
160	150	6	10	16600	199 140 087	199 140 107
225	200	8	10	39600	199 140 088	199 140 108



d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180



d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	250	40	
75	250	54	35
90	250	67	50
110	250	88	74
140	250	113	97
160	250	139	123
225	250	178	169

Butterfly valves pneumatic PVC-U

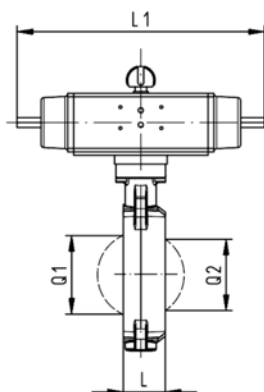
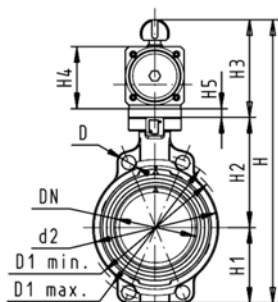
Butterfly valve type 240 PVC-U

FC (Fail safe to close)

Without manual override

Model:

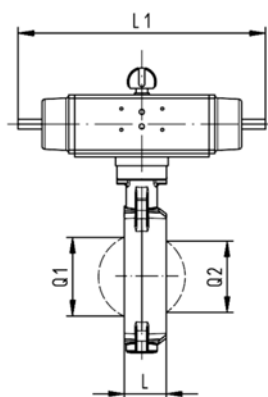
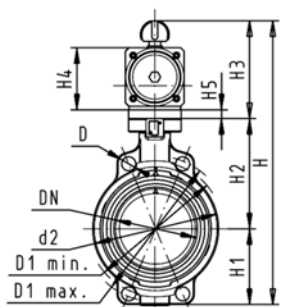
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 240 002	199 240 022
75	65	2 1/2	10	2200	199 240 003	199 240 023
90	80	3	10	3000	199 240 004	199 240 024
110	100	4	10	6500	199 240 005	199 240 025
140	125	5	10	11500	199 240 006	199 240 026
160	150	6	10	16600	199 240 007	199 240 027
225	200	8	10	39600	199 240 008	199 240 028
280	250	10	10	55200	199 240 009	199 240 029
315	300	12	10	80000	199 240 010	199 240 030

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-30 FC	19	120.0	125.0	104	327	77	134	117	70	15	45	276
75	PA-30 FC	19	139.7	145.0	115	340	83	140	117	70	15	46	276
90	PA-35 FC	19	150.0	160.0	131	361	89	146	126	78	15	49	326
110	PA-40 FC	19	175.0	190.5	161	400	104	167	129	86		56	370
140	PA-45 FC	23	210.0	215.9	187	436	117	181	139	96		64	411
160	PA-50 FC	24	241.3	241.3	215	468	130	189	149	106		72	423
225	PA-55 FC	23	290.0	295.0	267	529	158	210	161	118		73	452
280	PA-65 FC	25	353.0	362.0	329	808	205	264	191	148		113	648
315	PA-70 FC	25	400.0	432.0	379	866	228	285	196	157		113	663

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	65	40	
75	65	54	35
90	72	67	50
110	80	88	74
140	90	113	97
160	100	139	123
225	112	178	169
280	137	210	207
315	145	256	253



Butterfly valve type 240 PVC-U FO (Fail safe to open) Without manual override

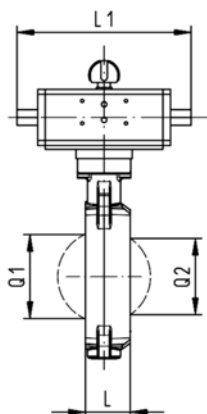
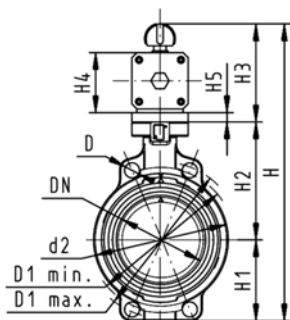
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 240 042	199 240 062
75	65	2 ½	10	2200	199 240 043	199 240 063
90	80	3	10	3000	199 240 044	199 240 064
110	100	4	10	6500	199 240 045	199 240 065
140	125	5	10	11500	199 240 046	199 240 066
160	150	6	10	16600	199 240 047	199 240 067
225	200	8	10	39600	199 240 048	199 240 068
280	250	10	10	55200	199 240 049	199 240 069
315	300	12	10	80000	199 240 050	199 240 070

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-30 FO	19	120.0	125.0	104	327	77	134	117	70	15	45	276
75	PA-30 FO	19	139.7	145.0	115	340	83	140	117	70	15	46	276
90	PA-35 FO	19	150.0	160.0	131	361	89	146	126	78	15	49	326
110	PA-40 FO	19	175.0	190.5	161	400	104	167	129	86		56	370
140	PA-45 FO	23	210.0	215.9	187	436	117	181	139	96		64	411
160	PA-50 FO	24	241.3	241.3	215	468	130	189	149	106		72	423
225	PA-55 FO	23	290.0	295.0	267	529	158	210	161	118		73	452
280	PA-65 FO	25	353.0	362.0	329	808	205	264	191	148		113	648
315	PA-70 FO	25	400.0	432.0	379	866	228	285	196	157		113	663

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	65	40	
75	65	54	35
90	72	67	50
110	80	88	74
140	90	113	97
160	100	139	123
225	112	178	169
280	137	210	207
315	145	256	253



Butterfly valve type 240 PVC-U DA (Double acting) Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 240 082	199 240 102	
75	65	2 ½	10	2200	199 240 083	199 240 103	
90	80	3	10	3000	199 240 084	199 240 104	
110	100	4	10	6500	199 240 085	199 240 105	
140	125	5	10	11500	199 240 086	199 240 106	
160	150	6	10	16600	199 240 087	199 240 107	
225	200	8	10	39600	199 240 088	199 240 108	
280	250	10	10	55200	199 240 089	199 240 109	
315	300	12	10	80000	199 240 090	199 240 110	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	
63	PA-35 DA	19	120.0	125.0	104	317	77	134	107	60	15	45	177	
75	PA-35 DA	19	139.7	145.0	115	330	83	140	107	60	15	46	177	
90	PA-40 DA	19	150.0	160.0	131	348	89	146	113	66	15	49	190	
110	PA-45 DA	19	175.0	190.5	161	372	104	167	102	71		56	235	
140	PA-45 DA	23	210.0	215.9	187	408	117	181	111	78		64	235	
160	PA-55 DA	24	241.3	241.3	215	448	130	189	129	86		72	279	
225	PA-55 DA	23	290.0	295.0	267	507	158	210	139	96		73	279	
280	PA-65 DA	25	353.0	362.0	329	748	205	264	161	118		113	350	
315	PA-70 DA	25	400.0	432.0	379	816	228	285	173	130		113	381	

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	55	40		
75	55	54	35	
90	60	67	50	
110	65	88	74	
140	72	113	97	
160	80	139	123	
225	90	178	169	
280	112	210	207	
315	125	256	253	

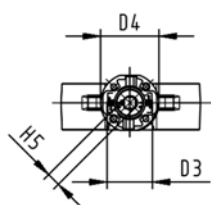
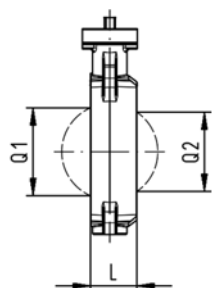
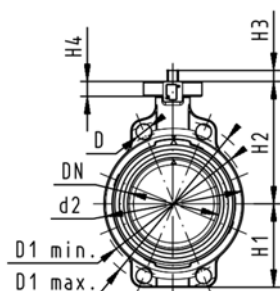
Butterfly valves PVC-C

Butterfly valve type 567 PVC-C Bare shaft



Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Interface F07 according to DIN/ISO 5211



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	163 567 802	163 567 822
75	65	2 ½	10	2200	163 567 803	163 567 823
90	80	3	10	3000	163 567 804	163 567 824
110	100	4	10	6500	163 567 805	163 567 825
140	125	5	10	11500	163 567 806	163 567 826
160	150	6	10	16600	163 567 807	163 567 827
225	200	8	10	39600	163 567 808	163 567 828

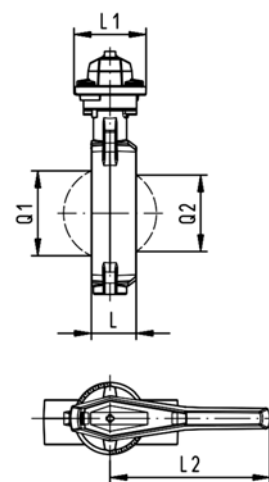
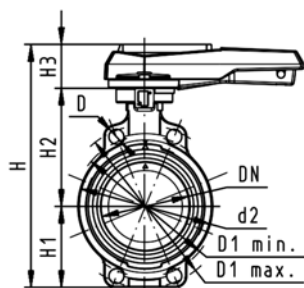
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
63	19	120.0	125.0	104	70	90	222	77	134	27	23	11	45	40	
75	19	139.7	145.0	115	70	90	235	83	140	27	23	11	46	54	35
90	19	150.0	160.0	131	70	90	247	89	146	27	23	11	49	67	50
110	19	175.0	190.5	161	70	90	287	104	167	16	23	14	56	88	74
140	23	210.0	215.9	187	70	90	313	117	181	16	23	14	64	113	97
160	24	241.3	241.3	215	70	90	335	130	189	19	23	17	72	139	123
225	23	290.0	295.0	267	70	90	387	158	210	19	23	17	73	178	169



Butterfly valve type 567 PVC-C Hand lever with ratchet settings

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752



d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code								
63	50	2	10	1470	163 567 002	163 567 022								
75	65	2 ½	10	2200	163 567 003	163 567 023								
90	80	3	10	3000	163 567 004	163 567 024								
110	100	4	10	6500	163 567 005	163 567 025								
140	125	5	10	11500	163 567 006	163 567 026								
160	150	6	10	16600	163 567 007	163 567 027								
225	200	8	10	39600	163 567 008	163 567 028								
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40		
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35	
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50	
110	19	175.0	190.5	161	325	104	167	55	56	106	255	88	74	
140	23	210.0	215.9	187	352	117	181	55	64	106	255	113	97	
160	24	241.3	241.3	215	373	130	189	55	72	106	255	139	123	
225	23	290.0	295.0	267	435	158	210	67	73	140	408	178	169	

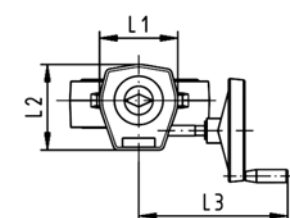
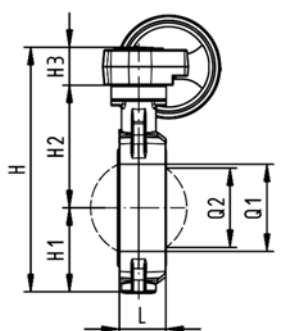
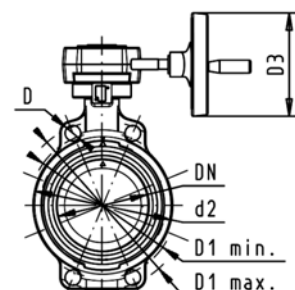


Butterfly valve type 567 PVC-C

Reduction gear with handwheel

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	163 567 042	163 567 062	
75	65	2 ½	10	2200	163 567 043	163 567 063	
90	80	3	10	3000	163 567 044	163 567 064	
110	100	4	10	6500	163 567 045	163 567 065	
140	125	5	10	11500	163 567 046	163 567 066	
160	150	6	10	16600	163 567 047	163 567 067	
225	200	8	10	39600	163 567 048	163 567 068	

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	
63	19	120.0	125.0	104	160	278	77	134	60	45	120	132	236	40	
75	19	139.7	145.0	115	160	291	83	140	60	46	120	132	236	54	
90	19	150.0	160.0	131	160	303	89	146	60	49	120	132	236	67	
110	19	175.0	190.5	160	160	339	104	167	60	56	120	132	236	88	
140	23	210.0	215.9	187	160	365	117	181	60	64	120	132	236	113	
160	24	241.3	241.3	215	160	387	130	189	60	72	120	132	236	139	
225	23	290.0	295.0	267	160	436	158	210	60	73	120	132	236	178	

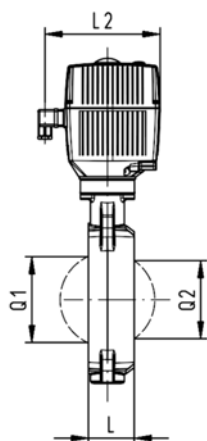
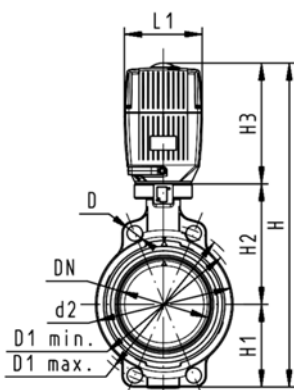
d [mm]	Q2 [mm]	
63		
75	35	
90	50	
110	74	
140	97	
160	123	
225	169	

Butterfly valves electric PVC-C

Butterfly valve type 140 PVC-C 100-230V Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 140 202	199 140 222	
75	65	2 1/2	10	2200	199 140 203	199 140 223	
90	80	3	10	3000	199 140 204	199 140 224	
110	100	4	10	6500	199 140 205	199 140 225	
140	125	5	10	11500	199 140 206	199 140 226	
160	150	6	10	16600	199 140 207	199 140 227	
225	200	8	10	39600	199 140 208	199 140 228	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40	
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54	
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67	
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88	
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113	
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139	
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178	

d [mm]	Q2 [mm]	
63		
75	35	
90	50	
110	74	
140	97	
160	123	
225	169	

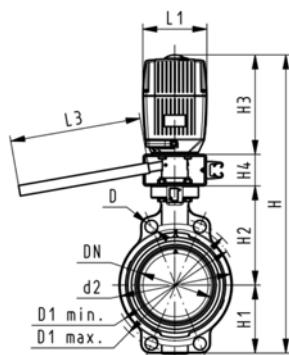


Butterfly valve type 140 PVC-C 100-230V With manual override

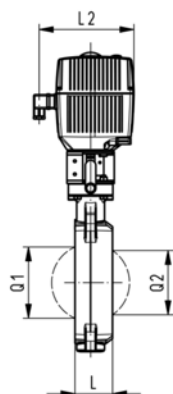
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

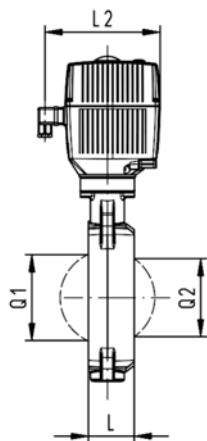
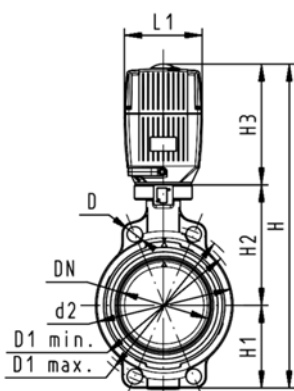
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 162	199 140 182
75	65	2 1/2	10	2200	199 140 163	199 140 183
90	80	3	10	3000	199 140 164	199 140 184
110	100	4	10	6500	199 140 165	199 140 185
140	125	5	10	11500	199 140 166	199 140 186
160	150	6	10	16600	199 140 167	199 140 187
225	200	8	10	39600	199 140 168	199 140 188



d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180



d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	250	40	
75	250	54	35
90	250	67	50
110	250	88	74
140	250	113	97
160	250	139	123
225	250	178	169



Butterfly valve type 140 PVC-C 24V Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 140 282	199 140 302	
75	65	2 ½	10	2200	199 140 283	199 140 303	
90	80	3	10	3000	199 140 284	199 140 304	
110	100	4	10	6500	199 140 285	199 140 305	
140	125	5	10	11500	199 140 286	199 140 306	
160	150	6	10	16600	199 140 287	199 140 307	
225	200	8	10	39600	199 140 288	199 140 308	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40	
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54	
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67	
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88	
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113	
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139	
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178	

d [mm]	Q2 [mm]	
63		
75	35	
90	50	
110	74	
140	97	
160	123	
225	169	

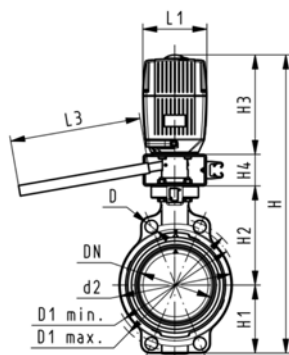


Butterfly valve type 140 PVC-C 24V With manual override

Model:

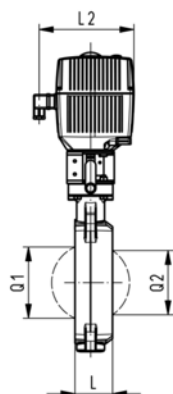
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 140 242	199 140 262	
75	65	2 ½	10	2200	199 140 243	199 140 263	
90	80	3	10	3000	199 140 244	199 140 264	
110	100	4	10	6500	199 140 245	199 140 265	
140	125	5	10	11500	199 140 246	199 140 266	
160	150	6	10	16600	199 140 247	199 140 267	
225	200	8	10	39600	199 140 248	199 140 268	



d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180	
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180	
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180	
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180	
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180	
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180	
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180	

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]	
63	250	40		
75	250	54	35	
90	250	67	50	
110	250	88	74	
140	250	113	97	
160	250	139	123	
225	250	178	169	



Butterfly valves pneumatic PVC-C

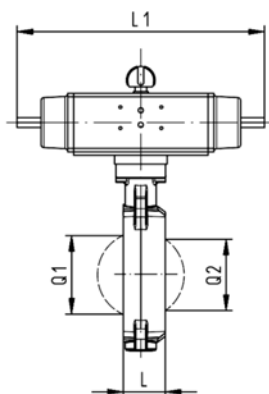
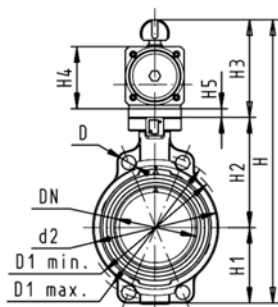
Butterfly valve type 240 PVC-C

FC (Fail safe to close)

Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 240 162	199 240 182	
75	65	2 ½	10	2200	199 240 163	199 240 183	
90	80	3	10	3000	199 240 164	199 240 184	
110	100	4	10	6500	199 240 165	199 240 185	
140	125	5	10	11500	199 240 166	199 240 186	
160	150	6	10	16600	199 240 167	199 240 187	
225	200	8	10	39600	199 240 168	199 240 188	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	
63	PA-30 FC	19	120.0	125.0	104	327	77	134	117	70	15	45	276	
75	PA-30 FC	19	139.7	145.0	115	340	83	140	117	70	15	46	276	
90	PA-35 FC	19	150.0	160.0	131	361	89	146	126	78	15	49	326	
110	PA-40 FC	19	175.0	190.5	161	400	104	167	129	86		56	370	
140	PA-45 FC	23	210.0	215.9	187	436	117	181	139	96		64	411	
160	PA-50 FC	24	241.3	241.3	215	468	130	189	149	106		72	423	
225	PA-55 FC	23	290.0	295.0	267	529	158	210	161	118		73	452	

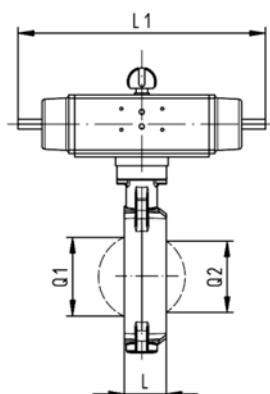
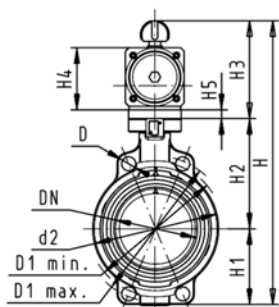
d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	65	40		
75	65	54	35	
90	72	67	50	
110	80	88	74	
140	90	113	97	
160	100	139	123	
225	112	178	169	



Butterfly valve type 240 PVC-C FO (Fail safe to open) Without manual override

Model:

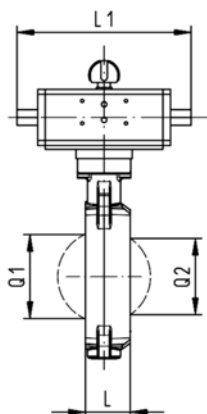
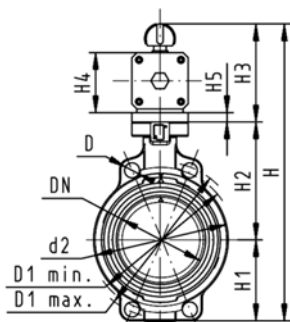
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 240 202	199 240 222	
75	65	2 ½	10	2200	199 240 203	199 240 223	
90	80	3	10	3000	199 240 204	199 240 224	
110	100	4	10	6500	199 240 205	199 240 225	
140	125	5	10	11500	199 240 206	199 240 226	
160	150	6	10	16600	199 240 207	199 240 227	
225	200	8	10	39600	199 240 208	199 240 228	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	
63	PA-30 FO	19	120.0	125.0	104	327	77	134	117	70	15	45	276	
75	PA-30 FO	19	139.7	145.0	115	340	83	140	117	70	15	46	276	
90	PA-35 FO	19	150.0	160.0	131	361	89	146	126	78	15	49	326	
110	PA-40 FO	19	175.0	190.5	161	400	104	167	129	86		56	370	
140	PA-45 FO	23	210.0	215.9	187	436	117	181	139	96		64	411	
160	PA-50 FO	24	241.3	241.3	215	468	130	189	149	106		72	423	
225	PA-55 FO	23	290.0	295.0	267	529	158	210	161	118		73	452	

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	65	40		
75	65	54	35	
90	72	67	50	
110	80	88	74	
140	90	113	97	
160	100	139	123	
225	112	178	169	



Butterfly valve type 240 PVC-C DA (Double acting) Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 240 242	199 240 262	
75	65	2 ½	10	2200	199 240 243	199 240 263	
90	80	3	10	3000	199 240 244	199 240 264	
110	100	4	10	6500	199 240 245	199 240 265	
140	125	5	10	11500	199 240 246	199 240 266	
160	150	6	10	16600	199 240 247	199 240 267	
225	200	8	10	39600	199 240 248	199 240 268	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	
63	PA-35 DA	19	120.0	125.0	104	317	77	134	107	60	15	45	177	
75	PA-35 DA	19	139.7	145.0	115	330	83	140	107	60	15	46	177	
90	PA-40 DA	19	150.0	160.0	131	348	89	146	113	66	15	49	190	
110	PA-45 DA	19	175.0	190.5	161	372	104	167	102	71		56	235	
140	PA-45 DA	23	210.0	215.9	187	408	117	181	111	78		64	235	
160	PA-55 DA	24	241.3	241.3	215	448	130	189	129	86		72	279	
225	PA-55 DA	23	290.0	295.0	267	507	158	210	139	96		73	279	

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	55	40		
75	55	54	35	
90	60	67	50	
110	65	88	74	
140	72	113	97	
160	80	139	123	
225	90	178	169	

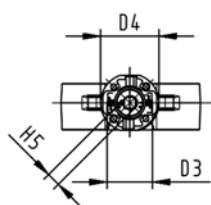
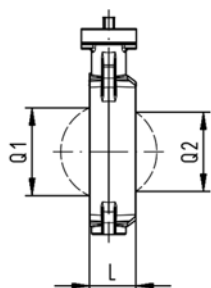
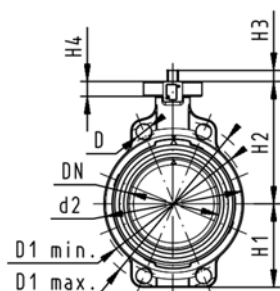
Butterfly valves ABS

Butterfly valve type 567 ABS Bare shaft



Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Interface F07 according to DIN/ISO 5211



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
63	50	10	1470	169 567 802
75	65	10	2200	169 567 803
90	80	10	3000	169 567 804
110	100	10	6500	169 567 805
140	125	10	11500	169 567 806
160	150	10	16600	169 567 807
225	200	10	39600	169 567 808

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
63	19	120.0	125.0	104	70	90	222	77	134	27	23	11	45	40	
75	19	139.7	145.0	115	70	90	235	83	140	27	23	11	46	54	35
90	19	150.0	160.0	131	70	90	247	89	146	27	23	11	49	67	50
110	19	175.0	190.5	161	70	90	287	104	167	16	23	14	56	88	74
140	23	210.0	215.9	187	70	90	313	117	181	16	23	14	64	113	97
160	24	241.3	241.3	215	70	90	335	130	189	19	23	17	72	139	123
225	23	290.0	295.0	267	70	90	387	158	210	19	23	17	73	178	169

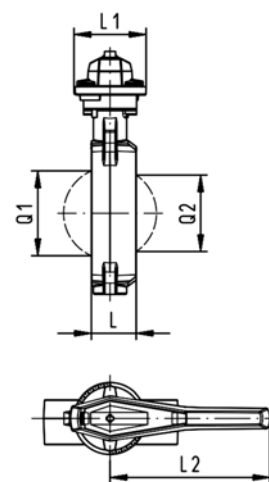
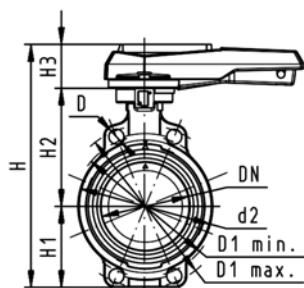
d [mm]	closest inch
63	2
75	2 ½
90	3
110	4
140	5
160	6
225	8



Butterfly valve type 567 ABS Hand lever with ratchet settings

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code										
63	50	10	1470	169 567 002										
75	65	10	2200	169 567 003										
90	80	10	3000	169 567 004										
110	100	10	6500	169 567 005										
140	125	10	11500	169 567 006										
160	150	10	16600	169 567 007										
225	200	10	39600	169 567 008										
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	closest inch
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40	35	2
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	50	2 1/2
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	74	3
110	19	175.0	190.5	161	325	104	167	55	56	106	255	88	97	4
140	23	210.0	215.9	187	352	117	181	55	64	106	255	113	123	5
160	24	241.3	241.3	215	373	130	189	55	72	106	255	139	169	6
225	23	290.0	295.0	267	435	158	210	67	73	140	408	178		8

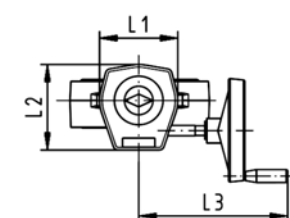
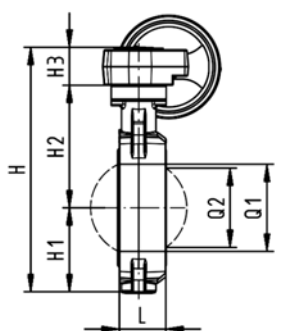
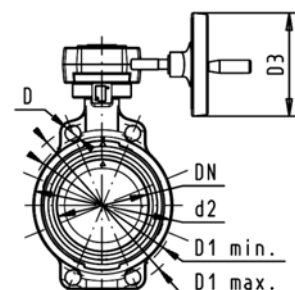


Butterfly valve type 567 ABS

Reduction gear with handwheel

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
63	50	10	1470	169 567 022
75	65	10	2200	169 567 023
90	80	10	3000	169 567 024
110	100	10	6500	169 567 025
140	125	10	11500	169 567 026
160	150	10	16600	169 567 027
225	200	10	39600	169 567 028

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
63	19	120.0	125.0	104	160	278	77	134	60	45	120	132	236	40
75	19	139.7	145.0	115	160	291	83	140	60	46	120	132	236	54
90	19	150.0	160.0	131	160	303	89	146	60	49	120	132	236	67
110	19	175.0	190.5	160	160	339	104	167	60	56	120	132	236	88
140	23	210.0	215.9	187	160	365	117	181	60	64	120	132	236	113
160	24	241.3	241.3	215	160	387	130	189	60	72	120	132	236	139
225	23	290.0	295.0	267	160	436	158	210	60	73	120	132	236	178

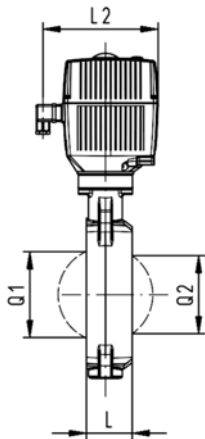
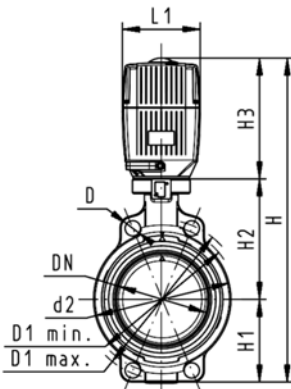
d [mm]	Q2 [mm]	closest inch
63		2
75	35	2 ½
90	50	3
110	74	4
140	97	5
160	123	6
225	169	8

Butterfly valves electric ABS

Butterfly valve type 140 ABS 100-230V Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
63	50	10	1470	199 140 502	
75	65	10	2200	199 140 503	
90	80	10	3000	199 140 504	
110	100	10	6500	199 140 505	
140	125	10	11500	199 140 506	
160	150	10	16600	199 140 507	
225	200	10	39600	199 140 508	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40	
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54	
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67	
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88	
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113	
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139	
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178	

d [mm]	Q2 [mm]	closest inch	
63		2	
75	35	2 ½	
90	50	3	
110	74	4	
140	97	5	
160	123	6	
225	169	8	

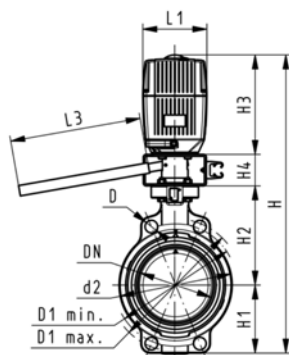


Butterfly valve type 140 ABS 100-230V With manual override

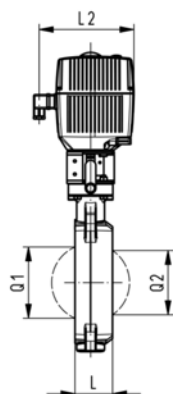
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

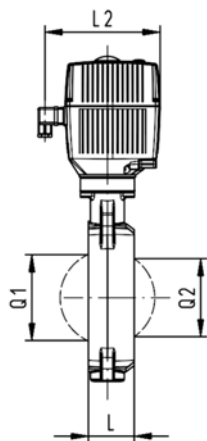
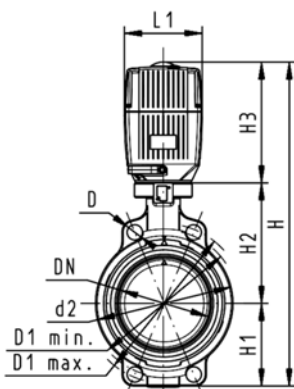
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
63	50	10	1470	199 140 482
75	65	10	2200	199 140 483
90	80	10	3000	199 140 484
110	100	10	6500	199 140 485
140	125	10	11500	199 140 486
160	150	10	16600	199 140 487
225	200	10	39600	199 140 488



d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180



d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]	closest inch
63	250	40		2
75	250	54	35	2 ½
90	250	67	50	3
110	250	88	74	4
140	250	113	97	5
160	250	139	123	6
225	250	178	169	8



Butterfly valve type 140 ABS 24V Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
63	50	10	1470	199 140 542
75	65	10	2200	199 140 543
90	80	10	3000	199 140 544
110	100	10	6500	199 140 545
140	125	10	11500	199 140 546
160	150	10	16600	199 140 547
225	200	10	39600	199 140 548

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178

d [mm]	Q2 [mm]	closest inch
63		2
75	35	2 ½
90	50	3
110	74	4
140	97	5
160	123	6
225	169	8

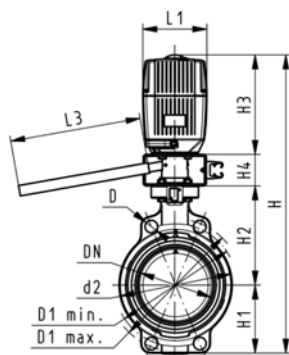


Butterfly valve type 140 ABS 24V With manual override

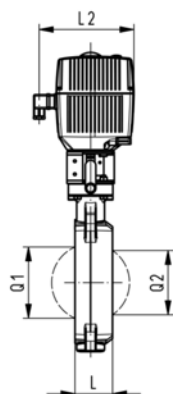
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
63	50	10	1470	199 140 522
75	65	10	2200	199 140 523
90	80	10	3000	199 140 524
110	100	10	6500	199 140 525
140	125	10	11500	199 140 526
160	150	10	16600	199 140 527
225	200	10	39600	199 140 528



d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180



d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]	closest inch
63	250	40		2
75	250	54	35	2 ½
90	250	67	50	3
110	250	88	74	4
140	250	113	97	5
160	250	139	123	6
225	250	178	169	8

Butterfly valves pneumatic ABS

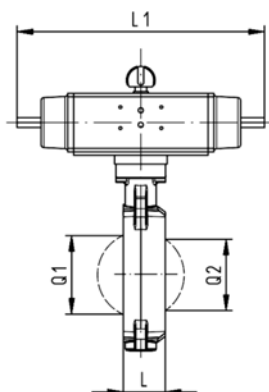
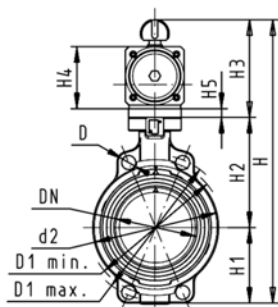
Butterfly valve type 240 ABS

FO (Fail safe to open)

Without manual override

Model:

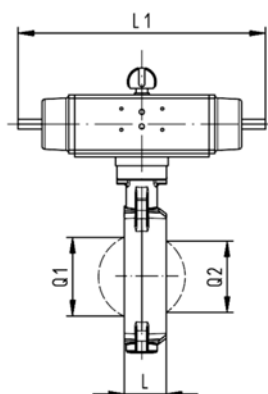
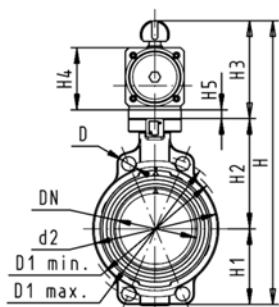
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
63	50	10	1470	199 240 422
75	65	10	2200	199 240 423
90	80	10	3000	199 240 424
110	100	10	6500	199 240 425
140	125	10	11500	199 240 426
160	150	10	16600	199 240 427
225	200	10	39600	199 240 428

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-30 FO	19	120.0	125.0	104	327	77	134	117	70	15	45	276
75	PA-30 FO	19	139.7	145.0	115	340	83	140	117	70	15	46	276
90	PA-35 FO	19	150.0	160.0	131	361	89	146	126	78	15	49	326
110	PA-40 FO	19	175.0	190.5	161	400	104	167	129	86		56	370
140	PA-45 FO	23	210.0	215.9	187	436	117	181	139	96		64	411
160	PA-50 FO	24	241.3	241.3	215	468	130	189	149	106		72	423
225	PA-55 FO	23	290.0	295.0	267	529	158	210	161	118		73	452

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	closest inch
63	65	40		2
75	65	54	35	2 ½
90	72	67	50	3
110	80	88	74	4
140	90	113	97	5
160	100	139	123	6
225	112	178	169	8



Butterfly valve type 240 ABS FC (Fail safe to close) Without manual override

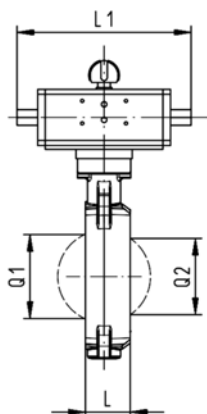
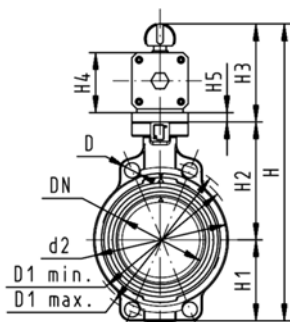
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
63	50	10	1470	199 240 402
75	65	10	2200	199 240 403
90	80	10	3000	199 240 404
110	100	10	6500	199 240 405
140	125	10	11500	199 240 406
160	150	10	16600	199 240 407
225	200	10	39600	199 240 408

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-30 FC	19	120.0	125.0	104	327	77	134	117	70	15	45	276
75	PA-30 FC	19	139.7	145.0	115	340	83	140	117	70	15	46	276
90	PA-35 FC	19	150.0	160.0	131	361	89	146	126	78	15	49	326
110	PA-40 FC	19	175.0	190.5	161	400	104	167	129	86		56	370
140	PA-45 FC	23	210.0	215.9	187	436	117	181	139	96		64	411
160	PA-50 FC	24	241.3	241.3	215	468	130	189	149	106		72	423
225	PA-55 FC	23	290.0	295.0	267	529	158	210	161	118		73	452

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	closest inch
63	65	40		2
75	65	54	35	2 ½
90	72	67	50	3
110	80	88	74	4
140	90	113	97	5
160	100	139	123	6
225	112	178	169	8



Butterfly valve type 240 ABS DA (Double acting) Without manual override

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<

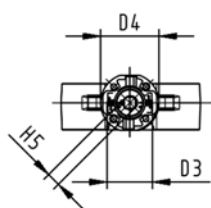
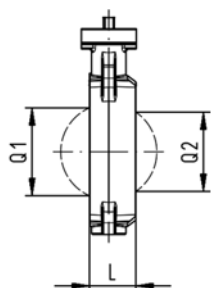
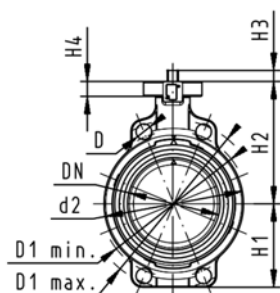
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	
63	50	10	1470	199 240 442	
75	65	10	2200	199 240 443	
90	80	10	3000	199 240 444	
110	100	10	6500	199 240 445	
140	125	10	11500	199 240 446	
160	150	10	16600	199 240 447	
225	200	10	39600	199 240 448	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	
63	PA-35 DA	19	120.0	125.0	104	317	77	134	107	60	15	45	177	
75	PA-35 DA	19	139.7	145.0	115	330	83	140	107	60	15	46	177	
90	PA-40 DA	19	150.0	160.0	131	348	89	146	113	66	15	49	190	
110	PA-45 DA	19	175.0	190.5	161	372	104	167	102	71		56	235	
140	PA-45 DA	23	210.0	215.9	187	408	117	181	111	78		64	235	
160	PA-55 DA	24	241.3	241.3	215	448	130	189	129	86		72	279	
225	PA-55 DA	23	290.0	295.0	267	507	158	210	139	96		73	279	

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	closest inch	
63	55	40		2	
75	55	54	35	2 ½	
90	60	67	50	3	
110	65	88	74	4	
140	72	113	97	5	
160	80	139	123	6	
225	90	178	169	8	

Butterfly valves PP-H

Butterfly valve type 567 PP-H Bare shaft



Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Interface F07 for the dimensions DN50-200 according to DIN/ISO 5211
- Interface F10 for the dimensions DN250-300 according to DIN/ISO 5211

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	167 567 802	167 567 822
75	65	2 ½	10	2200	167 567 803	167 567 823
90	80	3	10	3000	167 567 804	167 567 824
110	100	4	10	6500	167 567 805	167 567 825
140	125	5	10	11500	167 567 806	167 567 826
160	150	6	10	16600	167 567 807	167 567 827
225	200	8	10	39600	167 567 808	167 567 828
280	250	10	8	55200	167 567 809	167 567 829
315	300	12	8	80000	167 567 810	167 567 830

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	Q1 [mm]
63	19	120.0	125.0	104	70	90	222	77	134	27	23	11	45	40
75	19	139.7	145.0	115	70	90	235	83	140	27	23	11	46	54
90	19	150.0	160.0	131	70	90	247	89	146	27	23	11	49	67
110	19	175.0	190.5	161	70	90	287	104	167	16	23	14	56	88
140	23	210.0	215.9	187	70	90	313	117	181	16	23	14	64	113
160	24	241.3	241.3	215	70	90	335	130	189	19	23	17	72	139
225	23	290.0	295.0	267	70	90	387	158	210	19	23	17	73	178
280	25	353.0	362.0	329	102	125	509	205	264	40	23	22	113	210
315	25	400.0	432.0	379	102	125	553	228	285	40	23	22	113	256

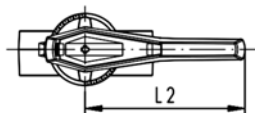
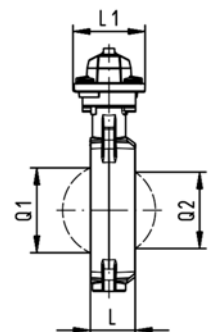
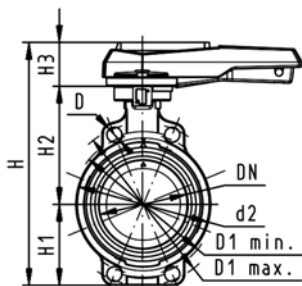
d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253



PROGEF Standard Butterfly valve type 567 Hand lever with ratchet settings

Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- We recommend for the dimensions DN250 and DN300 only 6 bar maximum system pressure for the hand lever version



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	167 567 002	167 567 022	
75	65	2 1/2	10	2200	167 567 003	167 567 023	
90	80	3	10	3000	167 567 004	167 567 024	
110	100	4	10	6500	167 567 005	167 567 025	
140	125	5	10	11500	167 567 006	167 567 026	
160	150	6	10	16600	167 567 007	167 567 027	
225	200	8	10	39600	167 567 008	167 567 028	
280	250	10	8	55200	167 567 009	167 567 029	
315	300	12	8	80000	167 567 010	167 567 030	

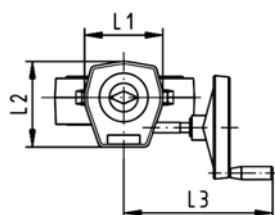
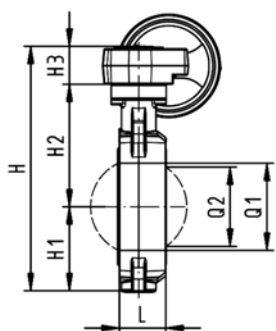
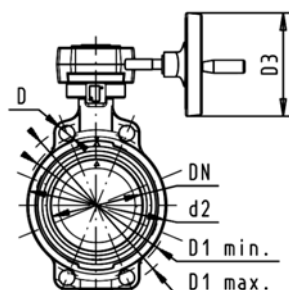
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40		
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35	
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50	
110	19	175.0	190.5	161	325	104	167	55	56	106	255	88	74	
140	23	210.0	215.9	187	352	117	181	55	64	106	255	113	97	
160	24	241.3	241.3	215	373	130	189	55	72	106	255	139	123	
225	23	290.0	295.0	267	435	158	210	67	73	140	408	178	169	
280	25	353.0	362.0	329	554	205	264	85	113	149	408	210	207	
315	25	400.0	432.0	379	598	228	285	85	113	149	408	256	253	



PROGEF Standard Butterfly valve type 567 Reduction gear with handwheel

Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	167 567 042	167 567 062	
75	65	2 ½	10	2200	167 567 043	167 567 063	
90	80	3	10	3000	167 567 044	167 567 064	
110	100	4	10	6500	167 567 045	167 567 065	
140	125	5	10	11500	167 567 046	167 567 066	
160	150	6	10	16600	167 567 047	167 567 067	
225	200	8	10	39600	167 567 048	167 567 068	
280	250	10	8	55200	167 567 049	167 567 069	
315	300	12	8	80000	167 567 050	167 567 070	

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	
63	19	120.0	125.0	104	160	278	77	134	60	45	120	132	236	40	
75	19	139.7	145.0	115	160	291	83	140	60	46	120	132	236	54	
90	19	150.0	160.0	131	160	303	89	146	60	49	120	132	236	67	
110	19	175.0	190.5	160	160	339	104	167	60	56	120	132	236	88	
140	23	210.0	215.9	187	160	365	117	181	60	64	120	132	236	113	
160	24	241.3	241.3	215	160	387	130	189	60	72	120	132	236	139	
225	23	290.0	295.0	267	160	436	158	210	60	73	120	132	236	178	
280	25	353.0	362.0	329	160	529	205	264	60	113	134	151	261	210	
315	25	400.0	432.0	379	160	573	228	285	60	113	134	151	261	256	

d [mm]	Q2 [mm]	
63		
75	35	
90	50	
110	74	
140	97	
160	123	
225	169	
280	207	
315	253	

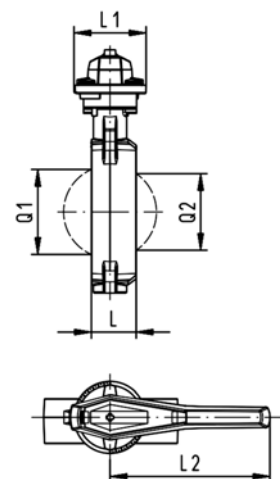
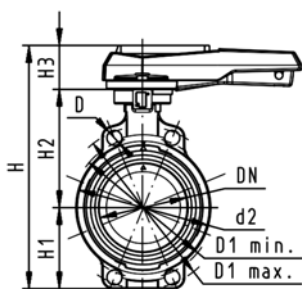
Butterfly valves PROGEF® SF

PROGEF Plus silicone free Butterfly valve type 567 Hand lever with ratchet settings



Model:

- Material: PP-H / silicone free cleaned
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	167 567 402	167 567 422
75	65	2 ½	10	2200	167 567 403	167 567 423
90	80	3	10	3000	167 567 404	167 567 424
110	100	4	10	6500	167 567 405	167 567 425
140	125	5	10	11500	167 567 406	167 567 426
160	150	6	10	16600	167 567 407	167 567 427
225	200	8	10	39600	167 567 408	167 567 428

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40	
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50
110	19	175.0	190.5	161	325	104	167	55	56	106	255	88	74
140	23	210.0	215.9	187	352	117	181	55	64	106	255	113	97
160	24	241.3	241.3	215	373	130	189	55	72	106	255	139	123
225	23	290.0	295.0	267	435	158	210	67	73	140	408	178	169

Butterfly valves electric PP-H

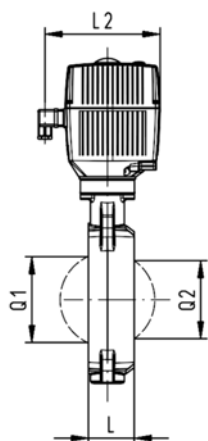
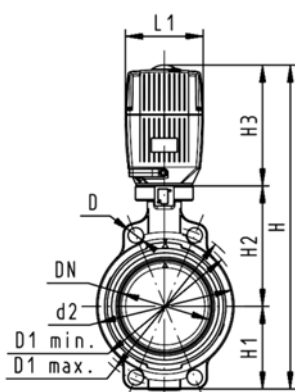
PROGEF Standard

Butterfly valve type 140 24V

Without manual override

Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard
- The dimension DN300 on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 442	199 140 462
75	65	2 1/2	10	2200	199 140 443	199 140 463
90	80	3	10	3000	199 140 444	199 140 464
110	100	4	10	6500	199 140 445	199 140 465
140	125	5	10	11500	199 140 446	199 140 466
160	150	6	10	16600	199 140 447	199 140 467
225	200	8	10	39600	199 140 448	199 140 468
280	250	10	6	55200	199 140 449	199 140 469
315	300	12	4	80000	199 140 450	199 140 470

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178
280	EA-42	25	353.0	362.0	329	677	205	264	208	113	122	180	210
315	EA-42	25	400.0	432.0	379	721	228	285	208	113	122	180	256

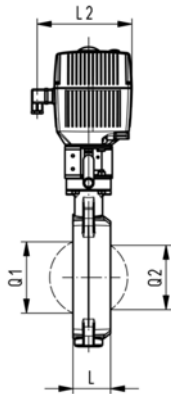
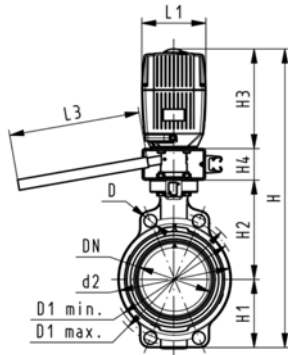
d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253



PROGEF Standard Butterfly valve type 140 24V With manual override

Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 402	199 140 422
75	65	2 ½	10	2200	199 140 403	199 140 423
90	80	3	10	3000	199 140 404	199 140 424
110	100	4	10	6500	199 140 405	199 140 425
140	125	5	10	11500	199 140 406	199 140 426
160	150	6	10	16600	199 140 407	199 140 427
225	200	8	10	39600	199 140 408	199 140 428

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	250	40	
75	250	54	35
90	250	67	50
110	250	88	74
140	250	113	97
160	250	139	123
225	250	178	169



PROGEF Standard Butterfly valve type 140 100-230V Without manual override

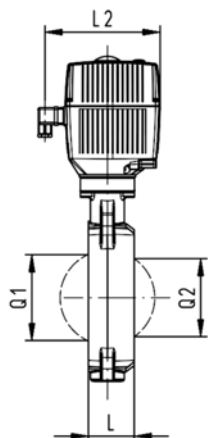
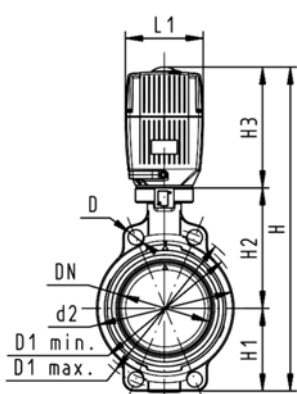
Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard
- The dimension DN300 on request

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 362	199 140 382
75	65	2 ½	10	2200	199 140 363	199 140 383
90	80	3	10	3000	199 140 364	199 140 384
110	100	4	10	6500	199 140 365	199 140 385
140	125	5	10	11500	199 140 366	199 140 386
160	150	6	10	16600	199 140 367	199 140 387
225	200	8	10	39600	199 140 368	199 140 388
280	250	10	6	55200	199 140 369	199 140 389
315	300	12	4	80000	199 140 370	199 140 390

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178
280	EA-42	25	353.0	362.0	329	677	205	264	208	113	122	180	210
315	EA-42	25	400.0	432.0	379	721	228	285	208	113	122	180	256

d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253

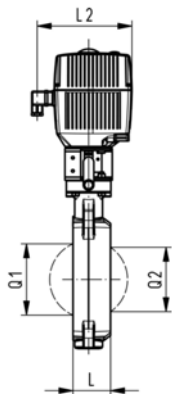
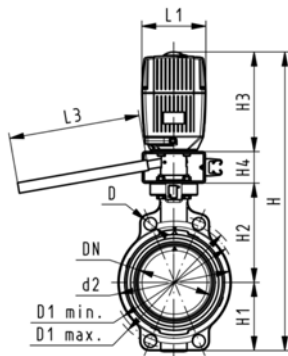




PROGEF Standard Butterfly valve type 140 100-230V With manual override

Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 140 322	199 140 342
75	65	2 ½	10	2200	199 140 323	199 140 343
90	80	3	10	3000	199 140 324	199 140 344
110	100	4	10	6500	199 140 325	199 140 345
140	125	5	10	11500	199 140 326	199 140 346
160	150	6	10	16600	199 140 327	199 140 347
225	200	8	10	39600	199 140 328	199 140 348

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	250	40	
75	250	54	35
90	250	67	50
110	250	88	74
140	250	113	97
160	250	139	123
225	250	178	169

Butterfly valves pneumatic PP-H

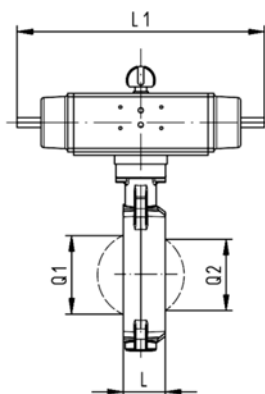
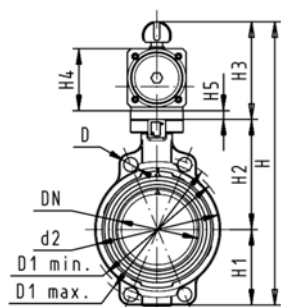
Butterfly valve type 240 PP-H

FC (Fail safe to close)

Without manual override

Model:

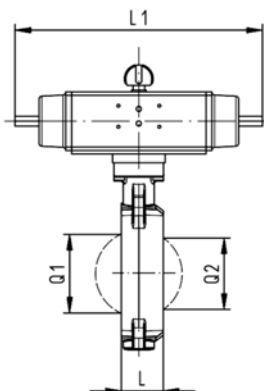
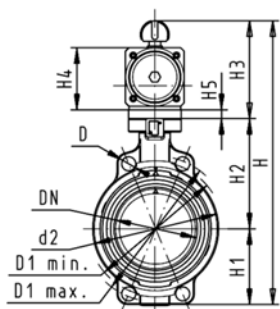
- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 240 282	199 240 302
75	65	2 ½	10	2200	199 240 283	199 240 303
90	80	3	10	3000	199 240 284	199 240 304
110	100	4	10	6500	199 240 285	199 240 305
140	125	5	10	11500	199 240 286	199 240 306
160	150	6	10	16600	199 240 287	199 240 307
225	200	8	10	39600	199 240 288	199 240 308
280	250	10	8	55200	199 240 289	199 240 309
315	300	12	8	80000	199 240 290	199 240 310

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-30 FC	19	120.0	125.0	104	327	77	134	117	70	15	45	276
75	PA-30 FC	19	139.7	145.0	115	340	83	140	117	70	15	46	276
90	PA-35 FC	19	150.0	160.0	131	361	89	146	126	78	15	49	326
110	PA-40 FC	19	175.0	190.5	161	400	104	167	129	86		56	370
140	PA-45 FC	23	210.0	215.9	187	436	117	181	139	96		64	411
160	PA-50 FC	24	241.3	241.3	215	468	130	189	149	106		72	423
225	PA-55 FC	23	290.0	295.0	267	529	158	210	161	118		73	452
280	PA-65 FC	25	353.0	362.0	329	808	205	264	191	148		113	648
315	PA-70 FC	25	400.0	432.0	379	866	228	285	196	157		113	663

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	65	40	
75	65	54	35
90	72	67	50
110	80	88	74
140	90	113	97
160	100	139	123
225	112	178	169
280	137	210	207
315	145	256	253



Butterfly valve type 240 PP-H FO (Fail safe to open) Without manual override

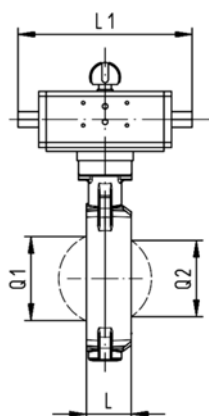
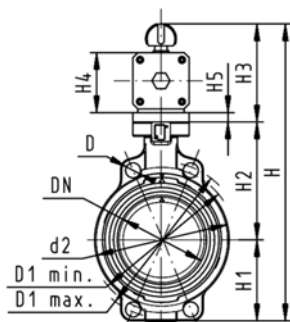
Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	
63	50	2	10	1470	199 240 322	199 240 342	
75	65	2 1/2	10	2200	199 240 323	199 240 343	
90	80	3	10	3000	199 240 324	199 240 344	
110	100	4	10	6500	199 240 325	199 240 345	
140	125	5	10	11500	199 240 326	199 240 346	
160	150	6	10	16600	199 240 327	199 240 347	
225	200	8	10	39600	199 240 328	199 240 348	
280	250	10	8	55200	199 240 329	199 240 349	
315	300	12	8	80000	199 240 330	199 240 350	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	
63	PA-30 FO	19	120.0	125.0	104	327	77	134	117	70	15	45	276	
75	PA-30 FO	19	139.7	145.0	115	340	83	140	117	70	15	46	276	
90	PA-35 FO	19	150.0	160.0	131	361	89	146	126	78	15	49	326	
110	PA-40 FO	19	175.0	190.5	161	400	104	167	129	86		56	370	
140	PA-45 FO	23	210.0	215.9	187	436	117	181	139	96		64	411	
160	PA-50 FO	24	241.3	241.3	215	468	130	189	149	106		72	423	
225	PA-55 FO	23	290.0	295.0	267	529	158	210	161	118		73	452	
280	PA-65 FO	25	353.0	362.0	329	808	205	264	191	148		113	648	
315	PA-70 FO	25	400.0	432.0	379	866	228	285	196	157		113	663	

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	65	40		
75	65	54	35	
90	72	67	50	
110	80	88	74	
140	90	113	97	
160	100	139	123	
225	112	178	169	
280	137	210	207	
315	145	256	253	



PROGEF Standard Butterfly valve type 240 DA (Double acting) Without manual override

Model:

- Material: PP-H
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 240 362	199 240 382
75	65	2 ½	10	2200	199 240 363	199 240 383
90	80	3	10	3000	199 240 364	199 240 384
110	100	4	10	6500	199 240 365	199 240 385
140	125	5	10	11500	199 240 366	199 240 386
160	150	6	10	16600	199 240 367	199 240 387
225	200	8	10	39600	199 240 368	199 240 388
280	250	10	8	55200	199 240 369	199 240 389
315	300	12	8	80000	199 240 370	199 240 390

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-35 DA	19	120.0	125.0	104	317	77	134	107	60	15	45	177
75	PA-35 DA	19	139.7	145.0	115	330	83	140	107	60	15	46	177
90	PA-40 DA	19	150.0	160.0	131	348	89	146	113	66	15	49	190
110	PA-45 DA	19	175.0	190.5	161	372	104	167	102	71		56	235
140	PA-45 DA	23	210.0	215.9	187	408	117	181	111	78		64	235
160	PA-55 DA	24	241.3	241.3	215	448	130	189	129	86		72	279
225	PA-55 DA	23	290.0	295.0	267	507	158	210	139	96		73	279
280	PA-65 DA	25	353.0	362.0	329	748	205	264	161	118		113	350
315	PA-70 DA	25	400.0	432.0	379	816	228	285	173	130		113	381

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	55	40	
75	55	54	35
90	60	67	50
110	65	88	74
140	72	113	97
160	80	139	123
225	90	178	169
280	112	210	207
315	125	256	253

Butterfly valves SYGEF®



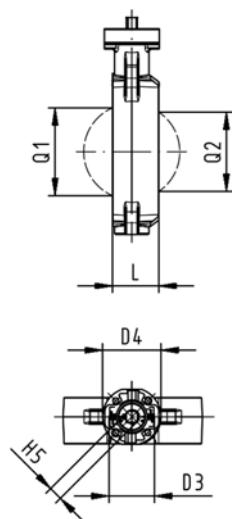
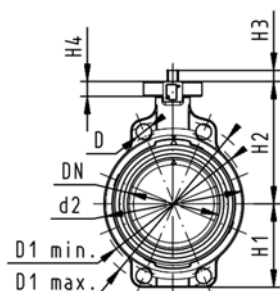
SYGEF® standard

Butterfly valve type 567 PVDF Bare shaft

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Interface F07 for the dimensions DN50-200 according to DIN/ISO 5211
- Interface F10 for the dimensions DN250-300 according to DIN/ISO 5211

Model with PTFE seal in DN250 and DN300 available from June 2009



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code
63	50	2	10	1470	175 567 822	175 567 842
75	65	2 ½	10	2200	175 567 823	175 567 843
90	80	3	10	3000	175 567 824	175 567 844
110	100	4	10	6500	175 567 825	175 567 845
140	125	5	10	11500	175 567 826	175 567 846
160	150	6	10	16600	175 567 827	175 567 847
225	200	8	10	39600	175 567 828	175 567 848
280	250	10	10	55200	175 567 829	175 567 849
315	300	12	10	80000	175 567 830	175 567 850

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	Q1 [mm]
63	19	120.0	125.0	104	70	90	222	77	134	27	23	11	45	40
75	19	139.7	145.0	115	70	90	235	83	140	27	23	11	46	54
90	19	150.0	160.0	131	70	90	247	89	146	27	23	11	49	67
110	19	175.0	190.5	161	70	90	287	104	167	16	23	14	56	88
140	23	210.0	215.9	187	70	90	313	117	181	16	23	14	64	113
160	24	241.3	241.3	215	70	90	335	130	189	19	23	17	72	139
225	23	290.0	295.0	267	70	90	387	158	210	19	23	17	73	178
280	25	353.0	362.0	329	102	125	509	205	264	40	23	22	113	210
315	25	400.0	432.0	379	102	125	553	228	285	40	23	22	113	256

d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253

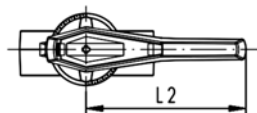
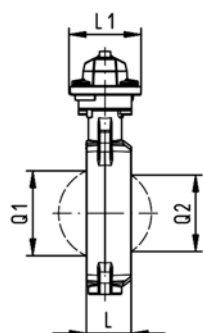
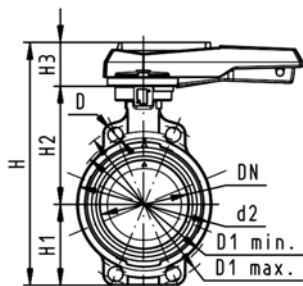


SYGEF Standard Butterfly valve type 567 Hand lever with ratchet settings

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- We recommend for the dimensions DN250 and DN300 only 6 bar maximum system pressure for the hand lever version

Model with PTFE seal in DN250 and DN300 available from June 2009



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code								
63	50	2	10	1470	175 567 002	175 567 202								
75	65	2 1/2	10	2200	175 567 003	175 567 203								
90	80	3	10	3000	175 567 004	175 567 204								
110	100	4	10	6500	175 567 005	175 567 205								
140	125	5	10	11500	175 567 006	175 567 206								
160	150	6	10	16600	175 567 007	175 567 207								
225	200	8	10	39600	175 567 008	175 567 208								
280	250	10	10	55200	175 567 009	175 567 209								
315	300	12	10	80000	175 567 010	175 567 210								
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40		
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35	
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50	
110	19	175.0	190.5	161	325	104	167	55	56	106	255	88	74	
140	23	210.0	215.9	187	352	117	181	55	64	106	255	113	97	
160	24	241.3	241.3	215	373	130	189	55	72	106	255	139	123	
225	23	290.0	295.0	267	435	158	210	67	73	140	408	178	169	
280	25	353.0	362.0	329	554	205	264	85	113	149	408	210	207	
315	25	400.0	432.0	379	598	228	285	85	113	149	408	256	253	

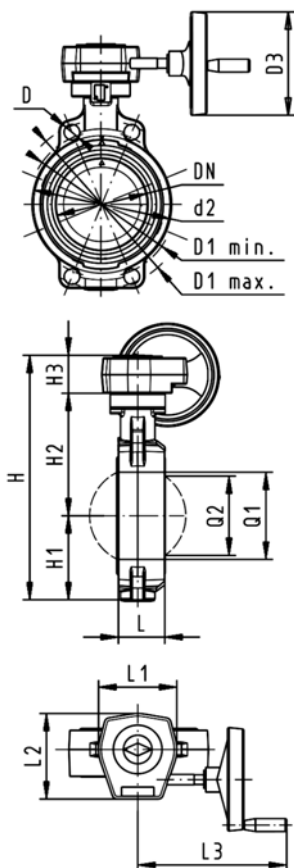


SYGEF Standard Butterfly valve type 567 Reduction gear with handwheel

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752

Model with PTFE seal in DN250 and DN300 available from June 2009



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code	
63	50	2	10	1470	175 567 022	175 567 222	
75	65	2 1/2	10	2200	175 567 023	175 567 223	
90	80	3	10	3000	175 567 024	175 567 224	
110	100	4	10	6500	175 567 025	175 567 225	
140	125	5	10	11500	175 567 026	175 567 226	
160	150	6	10	16600	175 567 027	175 567 227	
225	200	8	10	39600	175 567 028	175 567 228	
280	250	10	10	55200	175 567 029	175 567 229	
315	300	12	10	80000	175 567 030	175 567 230	

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	
63	19	120.0	125.0	104	160	278	77	134	60	45	120	132	236	40	
75	19	139.7	145.0	115	160	291	83	140	60	46	120	132	236	54	
90	19	150.0	160.0	131	160	303	89	146	60	49	120	132	236	67	
110	19	175.0	190.5	160	160	339	104	167	60	56	120	132	236	88	
140	23	210.0	215.9	187	160	365	117	181	60	64	120	132	236	113	
160	24	241.3	241.3	215	160	387	130	189	60	72	120	132	236	139	
225	23	290.0	295.0	267	160	436	158	210	60	73	120	132	236	178	
280	25	353.0	362.0	329	160	529	205	264	60	113	134	151	261	210	
315	25	400.0	432.0	379	160	573	228	285	60	113	134	151	261	256	

d [mm]	Q2 [mm]	
63		
75	35	
90	50	
110	74	
140	97	
160	123	
225	169	
280	207	
315	253	

Butterfly valves electric SYGEF®

SYGEF Standard

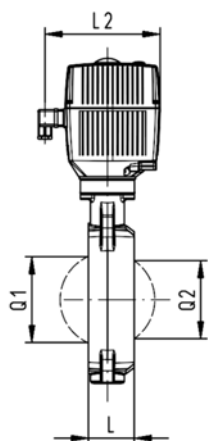
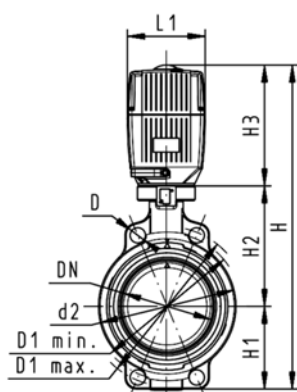
Butterfly valve type 140 24V

Without manual override

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

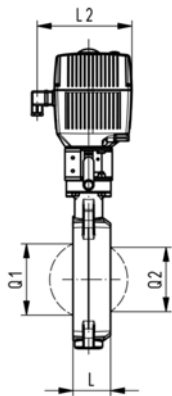
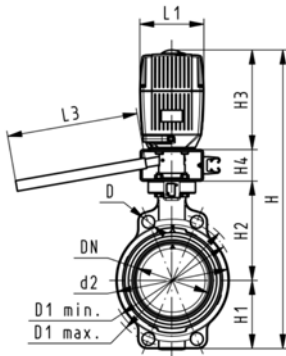
Model with PTFE seal in DN250 and DN300 available from June 2009



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code
63	50	2	10	1470	199 140 622	199 140 662
75	65	2 ½	10	2200	199 140 623	199 140 663
90	80	3	10	3000	199 140 624	199 140 664
110	100	4	10	6500	199 140 625	199 140 665
140	125	5	10	11500	199 140 626	199 140 666
160	150	6	10	16600	199 140 627	199 140 667
225	200	8	10	39600	199 140 628	199 140 668
280	250	10	6	55200	199 140 629	199 140 669
315	300	12	4	80000	199 140 630	199 140 670

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178
280	EA-42	25	353.0	362.0	329	677	205	264	208	113	122	180	210
315	EA-42	25	400.0	432.0	379	721	228	285	208	113	122	180	256

d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253



SYGEF Standard Butterfly valve type 140 24V With manual override

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
63	50	2	10	1470	199 140 602
75	65	2 ½	10	2200	199 140 603
90	80	3	10	3000	199 140 604
110	100	4	10	6500	199 140 605
140	125	5	10	11500	199 140 606
160	150	6	10	16600	199 140 607
225	200	8	10	39600	199 140 608

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	250	40	
75	250	54	35
90	250	67	50
110	250	88	74
140	250	113	97
160	250	139	123
225	250	178	169

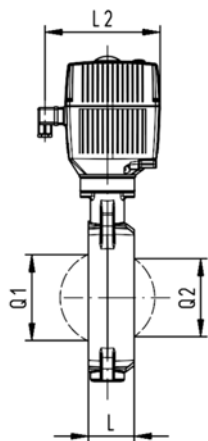
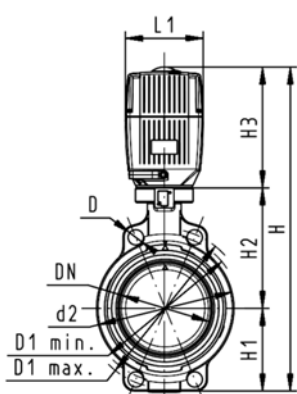


SYGEF Standard Butterfly valve type 140 100-230V Without manual override

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

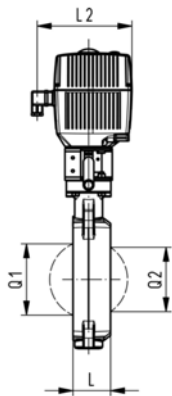
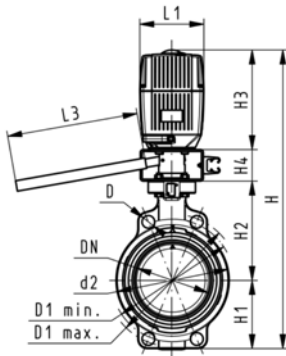
Model with PTFE seal in DN250 and DN300 available from June 2009



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code
63	50	2	10	1470	199 140 582	199 140 642
75	65	2 ½	10	2200	199 140 583	199 140 643
90	80	3	10	3000	199 140 584	199 140 644
110	100	4	10	6500	199 140 585	199 140 645
140	125	5	10	11500	199 140 586	199 140 646
160	150	6	10	16600	199 140 587	199 140 647
225	200	8	10	39600	199 140 588	199 140 648
280	250	10	6	55200	199 140 589	199 140 649
315	300	12	4	80000	199 140 590	199 140 650

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]
63	EA-31	19	120.0	125.0	104	400	77	134	188	45	122	180	40
75	EA-31	19	139.7	145.0	115	413	83	140	188	46	122	180	54
90	EA-31	19	150.0	160.0	131	428	89	146	188	49	122	180	67
110	EA-31	19	175.0	190.5	161	460	104	167	188	56	122	180	88
140	EA-31	23	210.0	215.9	187	487	117	181	188	64	122	180	113
160	EA-31	24	241.3	241.3	215	508	130	189	188	72	122	180	139
225	EA-42	23	290.0	295.0	267	575	158	210	208	73	122	180	178
280	EA-42	25	353.0	362.0	329	677	205	264	208	113	122	180	210
315	EA-42	25	400.0	432.0	379	721	228	285	208	113	122	180	256

d [mm]	Q2 [mm]
63	
75	35
90	50
110	74
140	97
160	123
225	169
280	207
315	253



SYGEF Standard Butterfly valve type 140 100-230V With manual override

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
63	50	2	10	1470	199 140 562
75	65	2 ½	10	2200	199 140 563
90	80	3	10	3000	199 140 564
110	100	4	10	6500	199 140 565
140	125	5	10	11500	199 140 566
160	150	6	10	16600	199 140 567
225	200	8	10	39600	199 140 568

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
63	EA-31	19	120.0	125.0	104	460	77	134	188	60	45	122	180
75	EA-31	19	139.7	145.0	115	473	83	140	188	60	46	122	180
90	EA-31	19	150.0	160.0	131	488	89	146	188	60	49	122	180
110	EA-31	19	175.0	190.5	161	520	104	167	188	60	56	122	180
140	EA-31	23	210.0	215.9	187	547	117	181	188	60	64	122	180
160	EA-31	24	241.3	241.3	215	568	130	189	188	60	72	122	180
225	EA-42	23	290.0	295.0	267	635	158	210	208	60	73	122	180

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	250	40	
75	250	54	35
90	250	67	50
110	250	88	74
140	250	113	97
160	250	139	123
225	250	178	169

Butterfly valves pneumatic SYGEF®

SYGEF® standard

Butterfly valve type 240

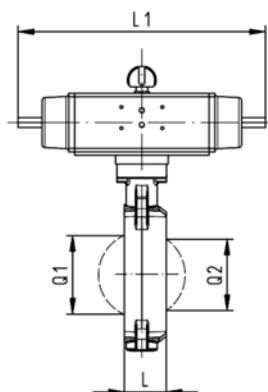
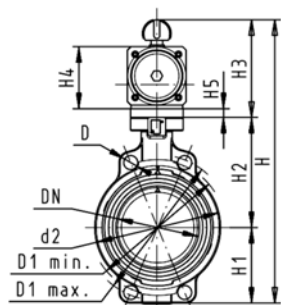
Function FC (Fail safe to close)

Without manual override

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<

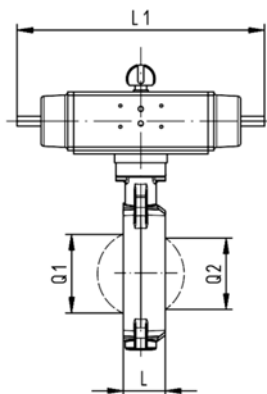
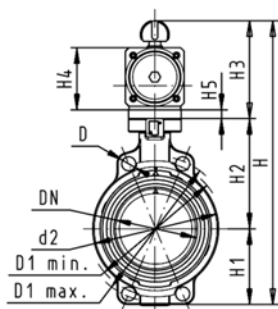
Model with PTFE seal in DN250 and DN300 available from June 2009



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code
63	50	2	10	1470	199 240 462	199 240 522
75	65	2 ½	10	2200	199 240 463	199 240 523
90	80	3	10	3000	199 240 464	199 240 524
110	100	4	10	6500	199 240 465	199 240 525
140	125	5	10	11500	199 240 466	199 240 526
160	150	6	10	16600	199 240 467	199 240 527
225	200	8	10	39600	199 240 468	199 240 528
280	250	10	10	55200	199 240 469	199 240 529
315	300	12	10	80000	199 240 470	199 240 530

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-30 FC	19	120.0	125.0	104	327	77	134	117	70	15	45	276
75	PA-30 FC	19	139.7	145.0	115	340	83	140	117	70	15	46	276
90	PA-35 FC	19	150.0	160.0	131	361	89	146	126	78	15	49	326
110	PA-40 FC	19	175.0	190.5	161	400	104	167	129	86		56	370
140	PA-45 FC	23	210.0	215.9	187	436	117	181	139	96		64	411
160	PA-50 FC	24	241.3	241.3	215	468	130	189	149	106		72	423
225	PA-55 FC	23	290.0	295.0	267	529	158	210	161	118		73	452
280	PA-65 FC	25	353.0	362.0	329	808	205	264	191	148		113	648
315	PA-70 FC	25	400.0	432.0	379	866	228	285	196	157		113	663

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	65	40	
75	65	54	35
90	72	67	50
110	80	88	74
140	90	113	97
160	100	139	123
225	112	178	169
280	137	210	207
315	145	256	253



SYGEF® standard Butterfly valve type 240 Function FO (Fail safe to open) Without manual override

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<)

Model with PTFE seal in DN250 and DN300 available from June 2009

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code
63	50	2	10	1470	199 240 482	199 240 542
75	65	2 ½	10	2200	199 240 483	199 240 543
90	80	3	10	3000	199 240 484	199 240 544
110	100	4	10	6500	199 240 485	199 240 545
140	125	5	10	11500	199 240 486	199 240 546
160	150	6	10	16600	199 240 487	199 240 547
225	200	8	10	39600	199 240 488	199 240 548
280	250	10	10	55200	199 240 489	199 240 549
315	300	12	10	80000	199 240 490	199 240 550

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-30 FO	19	120.0	125.0	104	327	77	134	117	70	15	45	276
75	PA-30 FO	19	139.7	145.0	115	340	83	140	117	70	15	46	276
90	PA-35 FO	19	150.0	160.0	131	361	89	146	126	78	15	49	326
110	PA-40 FO	19	175.0	190.5	161	400	104	167	129	86		56	370
140	PA-45 FO	23	210.0	215.9	187	436	117	181	139	96		64	411
160	PA-50 FO	24	241.3	241.3	215	468	130	189	149	106		72	423
225	PA-55 FO	23	290.0	295.0	267	529	158	210	161	118		73	452
280	PA-65 FO	25	353.0	362.0	329	808	205	264	191	148		113	648
315	PA-70 FO	25	400.0	432.0	379	866	228	285	196	157		113	663

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	65	40	
75	65	54	35
90	72	67	50
110	80	88	74
140	90	113	97
160	100	139	123
225	112	178	169
280	137	210	207
315	145	256	253

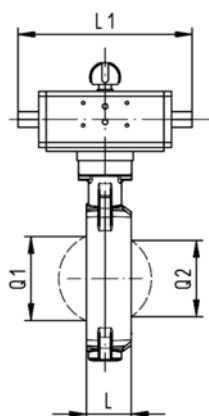
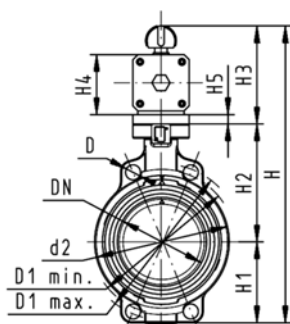


SYGEF Standard Butterfly valve type 240 DA (Double acting) Without manual override

Model:

- Material: PVDF
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558, ISO 5752
- Control range 90°<)

Model with PTFE seal in DN250 and DN300 available from June 2009



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	PTFE Code
63	50	2	10	1470	199 240 502	199 240 562
75	65	2 1/2	10	2200	199 240 503	199 240 563
90	80	3	10	3000	199 240 504	199 240 564
110	100	4	10	6500	199 240 505	199 240 565
140	125	5	10	11500	199 240 506	199 240 566
160	150	6	10	16600	199 240 507	199 240 567
225	200	8	10	39600	199 240 508	199 240 568
280	250	10	10	55200	199 240 509	199 240 569
315	300	12	10	80000	199 240 510	199 240 570

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-35 DA	19	120.0	125.0	104	317	77	134	107	60	15	45	177
75	PA-35 DA	19	139.7	145.0	115	330	83	140	107	60	15	46	177
90	PA-40 DA	19	150.0	160.0	131	348	89	146	113	66	15	49	190
110	PA-45 DA	19	175.0	190.5	161	372	104	167	102	71		56	235
140	PA-45 DA	23	210.0	215.9	187	408	117	181	111	78		64	235
160	PA-55 DA	24	241.3	241.3	215	448	130	189	129	86		72	279
225	PA-55 DA	23	290.0	295.0	267	507	158	210	139	96		73	279
280	PA-65 DA	25	353.0	362.0	329	748	205	264	161	118		113	350
315	PA-70 DA	25	400.0	432.0	379	816	228	285	173	130		113	381

d [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]
63	55	40	
75	55	54	35
90	60	67	50
110	65	88	74
140	72	113	97
160	80	139	123
225	90	178	169
280	112	210	207
315	125	256	253

Assembly parts for butterfly valves

Intermediate element

Pneumatic type 240 / 241 / 242

Without manual override

d [mm]	DN [mm]	Type of actuator	Code	
63	50	PA30 FC/FO	198 000 595	
63	50	PA35 DA	198 000 595	
75	65	PA30 FC/FO	198 000 595	
75	65	PA35 DA	198 000 595	
90	80	PA40 DA	198 000 595	
90	80	PA35 FC/FO	198 000 596	
110	100	PA40 FC/FO	198 000 600	
110	100	PA45 DA	198 000 600	
140	125	PA45 DA	198 000 600	
140	125	PA45 FC/FO	198 000 597	
160	150	PA55 DA	198 000 600	
160	150	PA50 FC	198 000 599	
225	200	PA55 FC/FO	198 000 598	
225	200	PA55 DA	198 000 600	
280	250	FA65 FC/FO	198 000 730	
280	250	PA65 DA	198 000 731	
315	300	PA70 FC/FO	198 000 730	
315	300	PA70 DA	198 000 731	

Electric type 140 / 141 / 142

Without manual override

d [mm]	DN [mm]	Type of actuator	Code	
63	50	EA31	198 000 601	
75	65	EA31	198 000 601	
90	80	EA31	198 000 601	
110	100	EA31	198 000 602	
140	125	EA31	198 000 602	
160	150	EA31	198 000 599	
225	200	EA42	198 000 603	
280	250	EA42	198 000 732	
315	300	EA42	198 000 732	

Intermediate element

Electric type 140 / 141 / 142 With manual override

d-d [mm]	DN-DN [mm]	Type of actuator	Code	
63 - 90	50 - 80	EA31	198 000 623	
110 - 140	100 - 125	EA31	198 000 624	
- 160	- 150	EA31	198 000 625	
- 225	- 200	EA42	198 000 627	

Gear operated with handwheel 567 / 568

d [mm]	DN [mm]	Code	
63	50	198 000 621	
75	65	198 000 621	
90	80	198 000 621	
110	100	198 000 622	
140	125	198 000 622	
160	150	198 000 599	
225	200	198 000 599	
280	250	198 000 732	
315	300	198 000 732	



Hand lever with fine adjustment to type 567/568

Size	DN-DN [mm]	Code	
1	50 - 80	161 486 325	
2	100 - 125	161 486 326	
2	- 150	161 486 327	
3	- 200	161 486 328	

Reduction gear with handwheel



d [mm]	Inch	DN [mm]	Code	
75	2 ½	65	161 482 408	
90	3	80	161 482 408	
110	4	100	161 482 408	
125	4 ½	125	161 482 408	
160	6	150	161 482 408	
225	8	200	161 482 408	
280	10	250	161 483 462	
315	12	300	161 483 462	



Electric actuator type EA31

Note:

- F07 (WS 17) per EN ISO 5211

Voltage	Code	
100-230 V~	198 150 184	
24 V= / ~	198 150 185	



Electric actuator type EA42

Note:

- F07 (WS 22) per EN ISO 5211

Voltage	Code	
100-230 V~	198 150 186	
24 V= / ~	198 150 187	



Pneumatic actuator type PA30 PA90

Fail safe to close/fail safe to open (FC/FO)

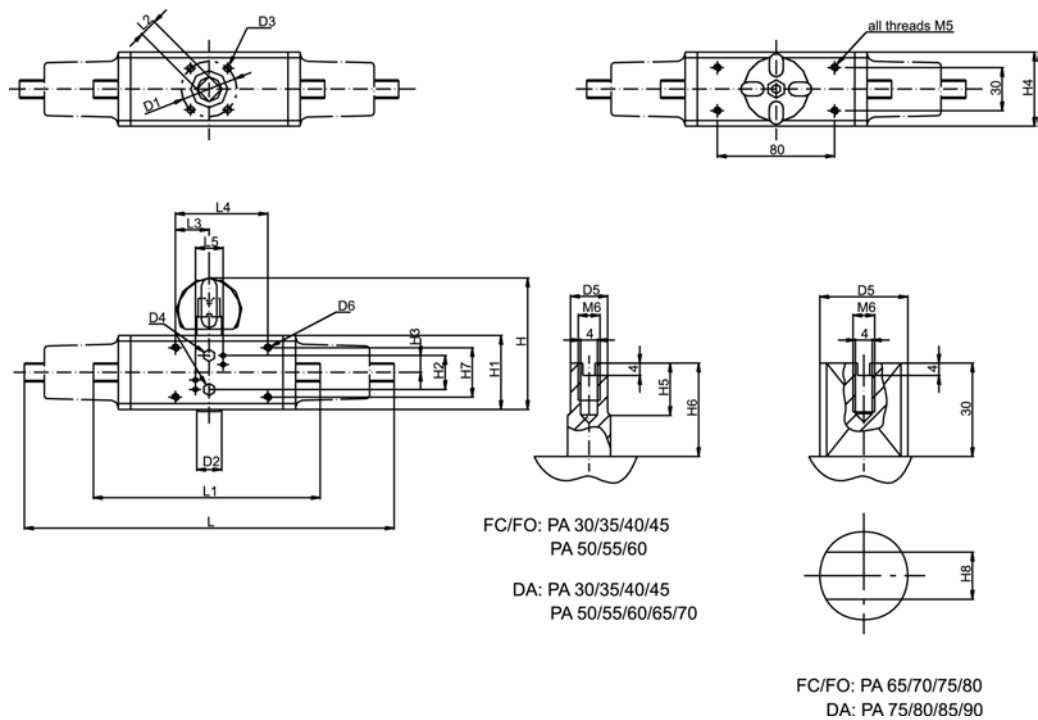
* Only valid for butterfly valve type 240, 241, 242 and ball valve type 230 - 235

Type	hard anodized Code	nickel plated Code	hard anodized with stroke limiter Code	
PA 30 FC/FO	198 800 757	198 800 034		
* PA 30 FO	198 811 025			
PA 35 FC/FO	198 800 037	198 800 052		
* PA 35 FO	198 811 026			
PA 40 FC/FO	198 800 728	198 800 004	198 800 017	
* PA 40 FO	198 811 027			
PA 45 FC/FO	198 800 039	198 800 054	-	
* PA45 FO	198 811 028			
PA 50 FC/FO	198 800 729	198 800 005	198 800 018	
* PA50 FO	198 811 029			
PA 55 FC/FO	198 800 041	198 800 056	-	
* PA 55 FO	198 811 030			
PA 60 FC/FO	198 800 730	198 800 006	198 800 019	
PA 65 FC/FO	198 800 043	198 800 058	-	
PA 70 FC/FO	198 800 731	198 800 007	198 800 020	
PA 70 FO	198 811 198			
PA 75 FC/FO	198 800 045	198 800 060	-	
PA 80 FC/FO	198 800 047	198 800 062	-	

Type		D1 [mm]	D2 [mm]	D3[M] [mm]	D4 [inch]	D5 [mm]	L [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	H [mm]	H1 [mm]
PA 30 FC/FO	F04	42	30	M5x9	1/8	10	276	11	35	70	32	102	70
* PA 30 FO	F04	42	30	M5x9	1/8	10	276	11	35	70	32	102	70
PA 35 FC/FO	F05	50	35	M6x11	1/8	12	326	14	35	70	32	111	78
* PA 35 FO	F05	50	35	M6x11	1/8	12	326	14	35	70	32	111	78
PA 40 FC/FO	F05	50	35	M6x11	1/8	12	370	14	35	70	32	129	86
* PA 40 FO	F05	50	35	M6x11	1/8	12	370	14	35	70	32	129	86
PA 45 FC/FO	F07	70	55	M8x15	1/8	15	411	17	35	70	32	139	96
* PA45 FO	F07	70	55	M8x15	1/8	15	411	17	35	70	32	139	96
PA 50 FC/FO	F07	70	55	M8x15	1/8	15	423	17	35	70	32	149	106
* PA50 FO	F07	70	55	M8x15	1/8	15	423	17	35	70	32	149	106
PA 55 FC/FO	F10	102	70	M10x17	1/8	19	452	22	35	70	32	161	118
* PA 55 FO	F10	102	70	M10x17	1/8	19	452	22	35	70	32	161	118
PA 60 FC/FO	F10	102	70	M10x17	1/8	19	503	22	35	70	32	173	130
PA 65 FC/FO	F12	125	85	M12x21	1/4		648	27			32	191	148
PA 70 FC/FO	F12	125	85	M12x21	1/4		663	27			32	196	153
PA 70 FO	F12	125	85	M12x21	1/4		663	27			32	196	153
PA 75 FC/FO	F14	140	100	M16x25	1/4		824	36			32	229	186
PA 80 FC/FO	F14	140	100	M16x25	1/4		918	36			32	241	198

Type	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]	
PA 30 FC/FO	21	18	65	13	20	36		
* PA 30 FO	21	18	65	13	20	36		
PA 35 FC/FO	21	18	72	13	20	36		
* PA 35 FO	21	18	72	13	20	36		
PA 40 FC/FO	25	21	80	13	30	36		
* PA 40 FO	25	21	80	13	30	36		
PA 45 FC/FO	25	21	90	16	30	36		
* PA45 FO	25	21	90	16	30	36		
PA 50 FC/FO	25	26	100	17	30	36		
* PA50 FO	25	26	100	17	30	36		
PA 55 FC/FO	25	25	112	19	30	36		
* PA 55 FO	25	25	112	19	30	36		
PA 60 FC/FO	25	32	124	19	30	36		
PA 65 FC/FO	24	34	137				22	

Type	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]	
PA 70 FC/FO	24	38	145				24	
PA 70 FO	24	38	145				24	
PA 75 FC/FO	24	43	166				27	
PA 80 FC/FO	24	44	180				32	





Pneumatic actuator type PA30 PA90

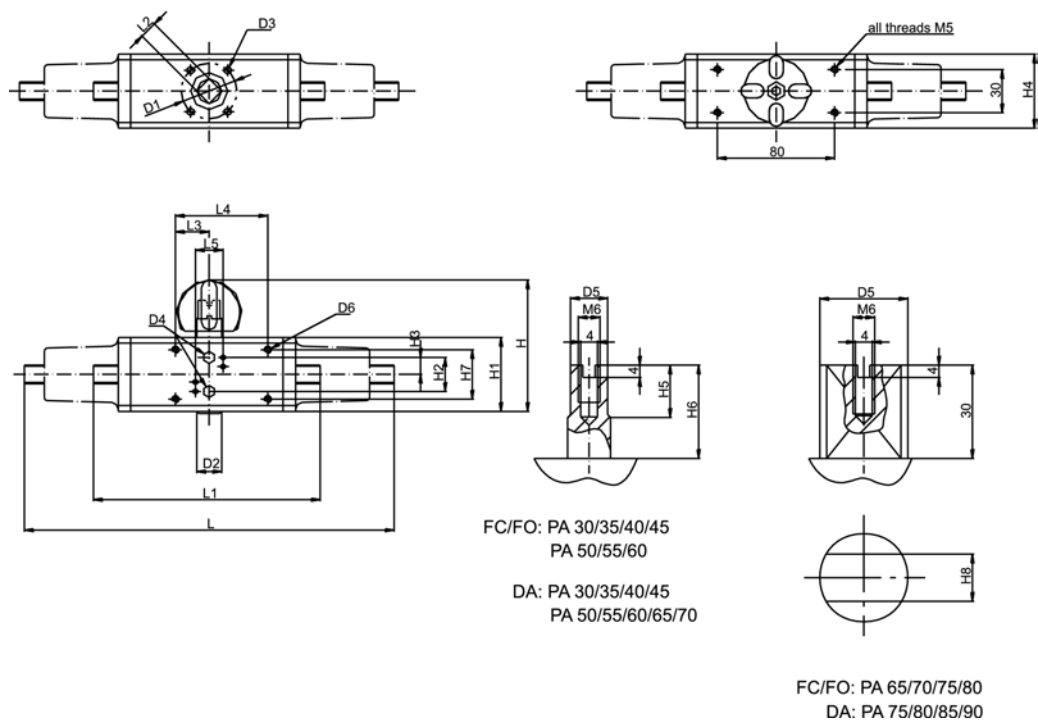
Double acting (DA)

Type	hard anodized Code
PA 30 DA	198 800 737
PA 35 DA	198 800 758
PA 40 DA	198 800 759
PA 45 DA	198 800 040
PA 50 DA	198 800 733
PA 55 DA	198 800 042
PA 60 DA	198 800 734
PA 65 DA	198 800 044
PA 70 DA	198 800 735
PA 75 DA	198 800 046
PA 80 DA	198 800 048
PA 85 DA	198 800 050
PA 90 DA	198 800 051

Type		D1 [mm]	D2 [mm]	D3[M] [mm]	D4 [inch]	D5 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	H [mm]	H1 [mm]	H2 [mm]
PA 30 DA	F03	36	25	M5x9	1/8	9	177	9	35	70		92	60	25
PA 35 DA	F03	42	30	M5x9	1/8	10	190	11	35	70		98	66	25
PA 40 DA	F05	42	30	M5x9	1/8	10	198	11	35	70		102	70	21
PA 45 DA	F05	50	35	M6x11	1/8	12	235	14	35	70		111	78	21
PA 50 DA	F05	50	35	M6x11	1/8	12	250	14	35	70		129	86	25
PA 55 DA	F07	70	55	M8x15	1/8	15	279	17	35	70		139	96	25
PA 60 DA	F07	70	55	M8x15	1/8	15	341	17	35	70		149	106	25
PA 65 DA	F10	102	70	M10x17	1/8	19	350	22	35	70		161	118	25
PA 70 DA	F10	102	70	M10x17	1/8	19	381	22	35	70		173	130	25
PA 75 DA	F12	125	85	M12x21	1/4		416	27			32	191	148	24
PA 80 DA	F12	125	85	M12x21	1/4		466	27			32	197	153	24
PA 85 DA	F14	140	100	M16x25	1/4		555	36			32	229	186	24
PA 90 DA	F14	140	100	M16x25	1/4		581	36			32	241	198	24

Type	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
PA 30 DA	12	55	10	20	36	
PA 35 DA	13	60	13	20	36	
PA 40 DA	18	65	13	20	36	
PA 45 DA	18	72	13	20	36	
PA 50 DA	21	80	13	30	36	
PA 55 DA	21	90	16	30	36	
PA 60 DA	26	100	17	30	36	
PA 65 DA	25	112	19	30	36	
PA 70 DA	32	124	19	30	36	

Type	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]	
PA 75 DA	34	137				22	
PA 80 DA	38	145				24	
PA 85 DA	43	166				27	
PA 90 DA	44	180				32	



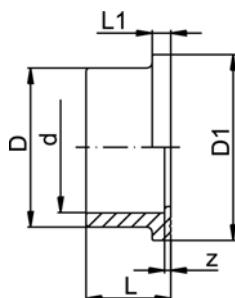
Flange Adaptor

Flange Adaptor, PVC-U

Combined Jointing face flat and serrated, metric

Model:

- Solvent cement socket metric
- d16 - d50: Jointing face flat
- d63 - d400: Combined Jointing face flat and serrated
- Gasket: Profile flange gasket EPDM No. 48 44 07, FPM No. 49 44 07 or
Flat gasket EPDM No. 48 40 03
Only use O-ring EPDM No. 48 41 01, FPM No. 49 41 01 in combination with counterpart Flange Adaptor No. 21 81 01
- Flange: PVC-U No. 21 70 00, PP with steel ring No. 27 70 02, Backing Flange PP-V for socket systems metric No. 27 70 04



Note: The flat gasket affects the maximum allowable operating pressure!

d [mm]	d [inch]	DN [mm]	PN	Code	z [mm]	D [mm]	D1 [mm]	L [mm]	L1 [mm]	
63	2 1/2	50	16	721 790 111	3	77	90	41	9	
75		65	16	721 790 112	3	91	106	47	10	
90		80	16	721 790 113	5	108	125	56	11	
110		100	16	721 790 114	5	131	150	66	12	
140	5	125	16	721 790 116	5	165	188	81	14	
160		150	16	721 790 117	5	188	213	91	16	
225		200	10	721 790 120	6	248	274	125	25	
280		250	10	721 790 122	5	308	329	151	23	
315		300	6	721 790 123	8	346	379	172	27	

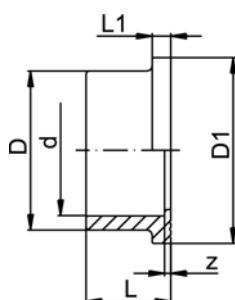
PVC-C

Flange adaptor PVC-C

Jointing face flat / serrated metric

Model:

- Solvent cement socket metric



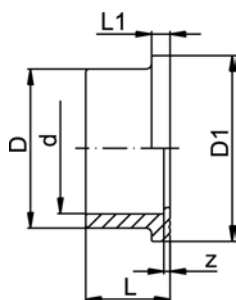
d [mm]	DN [mm]	PN	Code	z [mm]	D [mm]	D1 [mm]	L [mm]	L1 [mm]	
63	50	16	723 790 111	3	76	90	41	9	
75	65	16	723 790 112	3	91	106	47	10	
90	80	16	723 790 113	5	108	125	56	11	
110	100	16	723 790 114	5	131	150	66	12	
160	150	16	723 790 117	5	188	213	91	16	
225	200	10	723 790 120	6	248	274	125	25	



ABS Flange adaptor ABS metric Jointing face flat / serrated metric

Model:

- Solvent cement socket metric



d [mm]	DN [mm]	PN	Code	D [mm]	D1 [mm]	L [mm]	L1 [mm]	z [mm]	
63	50	10	729 790 111	76	90	41	9	3	
75	65	10	729 790 112	91	106	47	10	3	
90	80	10	729 790 113	108	125	56	11	5	
110	100	10	729 790 114	131	150	66	12	5	
140	125	10	729 790 116	165	188	81	14	5	
160	150	10	729 790 117	188	213	91	16	5	
225	200	10	729 790 120	248	274	125	25	6	

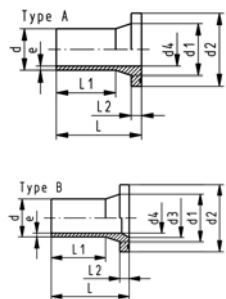


Flange Adaptor LS, PE100 SDR11 Combined Jointing Face: Flat and serrated

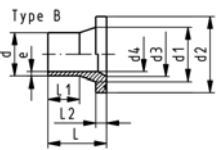
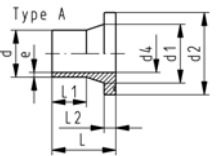
Model:

- For butt-, IR Plus® and electrofusion
- Suitable for flange connections to metric (**from d110 also to ANSI/ASME B16.5**)
- Up to d315, suitable for butterfly valve type 567, 568 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 10 bar Gas / 16 bar Water

* Type B with chamfer



d [mm]	DN [mm]	FM	Code	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	
63	50	IR	753 800 011	75	102		51	98	69	14	5.8	
* 75	65	IR	753 800 012	89	122	66	61	125	89	16	6.8	
* 90	80	IR	753 800 013	105	138	78	73	140	103	17	8.2	
* 110	100	IR	753 800 014	125	158	100	90	160	114	18	10.0	
* 140	125	IR	753 800 016	155	188	127	114	200	147	25	12.7	
* 160	150	IR	753 800 017	175	212	151	130	200	147	25	14.6	
* 225	200	IR	753 800 020	235	268	210	184	200	138	32	20.5	
* 280	250		753 800 022	291	320	265	229	231	144	35	25.4	
* 315	300		753 800 023	335	370	300	257	239	158	35	28.6	



Flange Adaptor, PE100 S5/SDR11

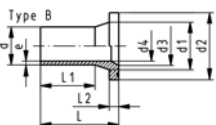
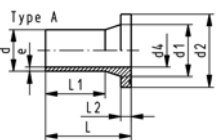
Jointing Face, combination serrated / flat metric

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Up to d315, suitable for most common butterfly valves incl. type 567, 568 and 037
- For butterfly valves $\geq$ DN350, please choose flange adaptor no. 53 79 88
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 10 bar Gas / 16 bar Water

* Type B with chamfer

d [mm]	DN [mm]	Code	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	
* 280	250	753 798 827	291	320	265	229	119	69	35	25,4	
* 315	300	753 798 828	335	370	300	257	166	88	35	28,6	



Flange Adaptor LS, PE100 SDR17/17.6

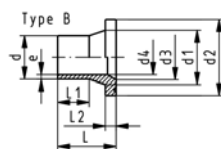
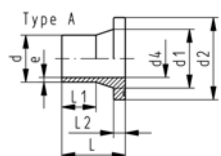
Combined Jointing Face: Flat and serrated

Model:

- For butt-, IR Plus® and electrofusion
- Suitable for flange connections to metric (from d110 also to ANSI/ASME B16.5)
- Up to d315, suitable for butterfly valve type 567, 568 and 037
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 5 bar Gas / 10 bar Water

* Type B with chamfer

d [mm]	DN [mm]	FM	Code	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	
63	50		753 800 086	75	102		55	120	65	14	3.8	
75	65		753 800 087	89	122		66	130	75	16	4.5	
90	80		753 800 088	105	138		79	140	103	17	5.4	
110	100	IR	753 800 089	125	158		96	160	117	18	6.6	
* 140	125	IR	753 800 091	155	188	127	123	200	147	25	8.3	
* 160	150	IR	753 800 092	175	212	158	141	200	147	25	9.5	
* 225	200	IR	753 800 095	235	268	210	198	200	138	32	13.4	
* 280	250		753 800 097	291	320	265	246	230	154	25	16.6	
* 315	300		753 800 098	335	370	300	277	242	166	25	18.7	



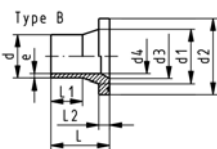
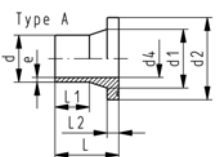
Flange Adaptor, PE100 S8,3/SDR 17/17.6 Joining Face, combination serrated / flat metric

Model:

- Conventional butt-welding according to DVS 2207 part 1
- Up to d315, suitable for most common butterfly valves incl. type 567, 568 and 037
- For butterfly valves $\geq$ DN350, please choose flange adaptor no. 53 79 88
- Gasket: Profile flange gasket NBR No. 45 44 07, EPDM No. 48 44 07
- 5 bar Gas / 10 bar Water

* Type B with chamfer

d [mm]	DN [mm]	Code	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	
* 280	250	753 798 852	291	320	265	246	119	69	25	16,6	
* 315	300	753 798 853	335	370	300	277	164	86	25	18,7	



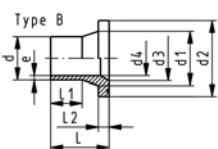
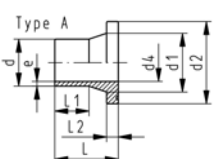
PROGEF Standard, Flange Adaptor, S5/SDR11 Combined Jointing Face: Flat and Serrated

Model:

- Material: PP-H
- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PP-H
- Suitable for flange connections to metric **(from d110 also to ANSI/ASME B16.5)**
- Up to d315, suitable for butterfly valve type 567,568 and 037
- Gasket: Profile flange gasket EPDM No. 48 44 07, FPM No. 49 44 07

* Type B with chamfer

d [mm]	DN [mm]	FM	Code	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	
63	50	IR	727 798 711	75	102		51	68	38	14	5.8	
* 75	65	IR	727 798 712	89	122	66	61	80	43	16	6.9	
* 90	80	IR	727 798 713	105	138	78	73	80	41	17	8.2	
* 110	100	IR	727 798 714	125	158	100	90	80	40	18	10.0	
* 140	125	IR	727 798 716	155	188	127	114	89	39	25	12.8	
* 160	150	IR	727 798 717	175	212	151	131	92	45	25	14.6	
* 225	200	IR	727 798 720	235	268	210	184	100	35	32	20.5	
* 280	250		727 798 722	291	320	265	229	100	35	35	25.4	
* 315	300		727 798 723	335	370	300	257	100	35	35	28.6	



PROGEF Standard, Flange Adaptor, S8.3/SDR17.6 Combined Jointing Face: Flat and Serrated

Model:

- Material: PP-H
- Conventional butt-welding according to DVS 2207 part 11
- IR = Infrared-(IR Plus®) compatible. Please choose fusion parameters: PP-H
- Suitable for flange connections to metric (**from d110 also to ANSI/ASME B16.5**)
- Up to d315, suitable for butterfly valve type 567,568 and 037
- Gasket: Profile flange gasket EPDM No. 48 44 07, FPM No. 49 44 07

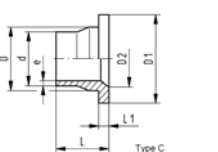
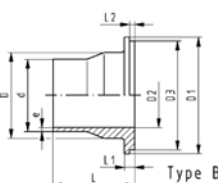
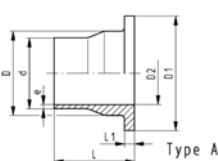
* Type B with chamfer

d [mm]	DN [mm]	FM	Code	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]	
63	50	IR	727 798 786	75	102		53	50	16	14	3.8	
75	65	IR	727 798 787	89	122		65	80	43	16	4.5	
90	80	IR	727 798 788	105	138		78	80	41	17	5.4	
110	100	IR	727 798 789	125	158		96	80	40	18	6.6	
* 140	125	IR	727 798 791	155	188	127	120	80	34	18	8.3	
* 160	150	IR	727 798 792	175	212	158	142	92	45	25	9.1	
* 225	200	IR	727 798 795	235	268	210	199	100	35	32	12.8	
* 280	250		727 798 797	291	320	265	243	100	45	25	16.6	
* 315	300		727 798 798	335	370	300	274	100	35	25	18.7	

SYGEF® standard Flange adaptor PVDF Jointing face flat / serrated

Model:

- In connection with +GF+ butterfly valves, chamfered and ready for use



d [mm]	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	e [mm]	L [mm]	L1 [mm]	L2 [mm]	Type	
63	50	16	735 798 811	75	102	56		3.0	72	9		A	
75	65	16	735 798 812	89	122	66		3.6	80	10		A	
90	80	16	735 798 813	105	138	78	133	4.3	81	12	4	B	
110	100	16	735 798 814	125	158	100		5.3	81	13		C	
140	125	16	735 798 816	155	188	127		6.7	90	16		C	
160	150	16	735 798 817	175	212	151		7.7	93	17		C	
225	200	16	735 798 820	235	268	207		10.8	102	22		C	

Flange

Backing Flange, PVC-U metric

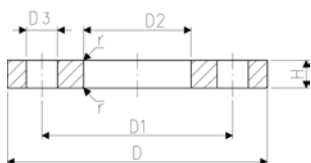
Model:

- For socket systems
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- Maximum medium- or ambient temperature 45 °C
- **Bolt circle PN 10**

¹ Connecting dimension: ISO 2536, bolt circle acc. DN125, suitable for flange adaptor d125/DN100

² Connecting dimension: ISO 2536, bolt circle acc. DN225, suitable for flange adaptor d250/DN250

AL: number of holes



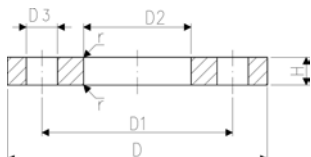
d [mm]	DN [mm]	Inch	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	r [mm]	AL	SC
63	50	2	10	721 700 011	165	125	78	18	18	3	4	M16
75	65	2 ½	10	721 700 012	185	145	92	18	19	3	4	M16
90	80	3	10	721 700 013	200	160	110	18	20	3	8	M16
110	100	4	10	721 700 014	220	180	133	18	22	3	8	M16
140	125	5	10	721 700 016	250	210	167	18	26	4	8	M16
160	150	6	10	721 700 017	285	240	190	22	28	4	8	M20
225	200	8	10	721 700 020	340	295	250	22	32	4	8	M20
280	250	10	6	721 700 137	395	350	310	22	36	4	12	M20
315	300	12	6	721 700 138	445	400	348	22	36	4	12	M20

Backing flange PVC-U Inch ASTM / ANSI

Model:

- For socket systems
- For Flange Adaptors BS/ANSI
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759

* Only for use with metric flange adaptors



d [mm]	DN [mm]	Inch	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	r [mm]	AL
* 110	50	2	10	721 702 211	165	121	78	19	18	3	4
	65	2 ½	10	721 702 212	185	140	92	19	19	3	4
	80	3	10	721 702 213	200	152	110	19	20	3	4
	100	4	10	721 702 214	220	190	138	19	22	3	8
	100	4	10	161 483 180	220	190	133	19	22	3	8
	125	5	10	721 702 216	250	216	167	22	26	4	8
	150	6	10	721 702 217	285	241	200	22	28	4	8
	200	8	10	721 702 220	340	298	250	22	32	4	8



Backing Flange, PP/Steel for Socket Systems metric

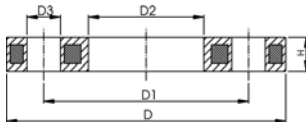
Model:

- PP-GF (30% glass-fibre reinforced) with steel ring
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**

¹ Connecting dimension: ISO 2536, bolt circle acc. DN125, suitable for flange adaptor d125/DN100

² Connecting dimension: ISO 2536, bolt circle acc. DN225, suitable for flange adaptor d250/DN250

AL: number of holes



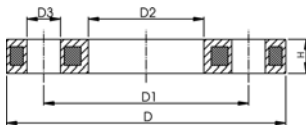
d [mm]	d [inch]	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
63		50	16	727 700 211	165	125	78	18	20	4	M16
75		65	16	727 700 212	185	145	92	18	20	4	M16
90		80	16	727 700 213	200	160	110	18	20	8	M16
110		100	16	727 700 214	220	180	133	18	20	8	M16
140		125	16	727 700 216	250	210	167	18	24	8	M16
160	6	150	16	727 700 217	285	240	190	22	24	8	M20
225		200	16	727 700 220	340	295	250	22	27	8	M20
280		250	16	727 700 222	395	350	310	22	30	12	M20
315		300	16	727 700 223	445	400	348	22	34	12	M20



Backing flange PP/Steel For socket systems Inch/ASTM

Model:

- For socket systems
- For Flange Adaptors BS/ANSI
- Material: PP (30 % glass-fibre reinforced) with steel ring
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024
- DN100 and DN150: only for use with original metric flange adaptors



d [mm]	DN [mm]	Inch	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL
63	50		16	727 701 211	165				18	4
75	65		16	727 701 212	185				18	4
90	80		16	727 701 213	200				20	4
110	100		16	727 701 214	229				20	8
200	200		16	727 701 220	340				27	8



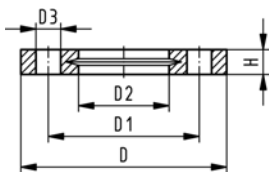
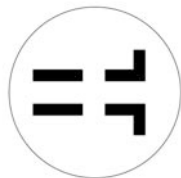
Backing Flanges, PP-V for Butt Fusion Systems metric

Model:

- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt retainers as an assembly aid
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**

¹⁾ Suitable for socket- and butt fusion systems (no pictograph on flange)

AL: number of holes



d [mm]	Inch	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	
63		50	16	727 700 411	165	125	78	18	24	4	M16	
75		65	16	727 700 412	185	145	92	18	26	4	M16	
90		80	16	727 700 513	200	160	108	18	27	8	M16	
125		100	16	727 700 515	220	180	135	18	28	8	M16	
140		125	16	727 700 516	250	210	158	18	30	8	M16	
160	6	150	16	727 700 517	285	241	178	22	32	8	M20	
225	9	200	16	727 700 520	340	295	238	22	34	8	M20	
280		250	16	727 700 522	395	350	294	22	38	12	M20	
315		300	16	727 700 523	445	400	338	22	42	12	M20	



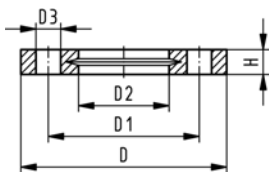
Backing Flanges, PP-V for Socket Systems metric

Model:

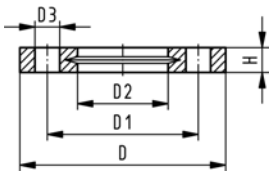
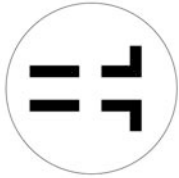
- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt retainers as an assembly aid
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501
- **Bolt circle PN 10**

¹⁾ Suitable for socket- and butt fusion systems (no pictograph on flange)

AL: number of holes



d [mm]	Inch	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	
63		50	16	727 700 411	165	125	78	18	24	4	M16	
75		65	16	727 700 412	185	145	92	18	26	4	M16	
90		80	16	727 700 413	200	160	110	18	27	8	M16	
110		100	16	727 700 414	220	180	133	18	28	8	M16	
140		125	16	727 700 416	250	210	167	18	30	8	M16	
160	6	150	16	727 700 417	285	241	190	22	32	8	M20	
225	8	200	16	727 700 420	340	295	250	22	34	8	M20	
280		250	16	727 700 422	395	350	310	22	38	12	M20	
315		300	16	727 700 423	445	400	348	22	42	12	M20	



Backing Flanges, PP-V for Butt Fusion Systems Inch/ANSI

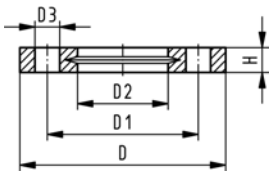
Model:

- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt-fixing as an assembly aid
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**

1) Suitable for socket- and butt fusion systems (no pictograph on flange)

AL: number of holes

Inch	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	
1/2	50	16	727 701 411	165	121	78	19	24	4	M16	
2 1/2	65	16	727 701 412	185	140	92	19	26	4	M16	
3	80	16	727 701 513	200	152	108	19	27	4	M16	
4	100	16	727 701 514	229	190	128	19	28	8	M16	
6	150	16	727 700 517	285	241	178	22	32	8	M20	
9	200	16	727 700 520	340	295	238	22	34	8	M20	
10	250	16	727 701 522	406	362	294	26	38	12	M20	
12	300	16	727 701 523	483	432	338	26	42	12	M20	



Backing Flanges, PP-V for Socket Systems Inch/ANSI

Model:

- Modern full-plastic flange PP-GF (30 % glass-fibre reinforced)
- With V-groove which applies force evenly on collar
- With integrated bolt-fixing as an assembly aid
- Connecting dimension: ANSI/ASME B 16.5 class 150, ASTM D 4024, BS 1560, BS EN 1759
- **Bolt circle class 150**

1) Suitable for socket- and butt fusion systems (no pictograph on flange)

AL: number of holes

Inch	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC	
1/2	50	16	727 701 411	165	121	78	19	24	4	M16	
2 1/2	65	16	727 701 412	185	140	92	19	26	4	M16	
3	80	16	727 701 413	200	152	110	19	27	4	M16	
4	100	16	727 701 414	229	190	133	19	28	8	M16	
6	150	16	727 700 417	285	241	190	22	32	8	M20	
8	200	16	727 700 420	340	295	250	22	34	8	M20	
10	250	16	727 701 422	406	362	310	26	38	12	M20	
12	300	16	727 701 423	483	432	348	26	42	12	M20	

Integrated Position Indicator



Integrated position indicator Automatic AU

Size	DN-DN [mm]	Code	
1	50 - 80	161 486 858	
2	100 - 125	161 486 304	
3	150 - 200	161 486 009	



Integrated position indicator Automatic AG NI

Size	DN-DN [mm]	Code	
1	50 - 80	161 486 859	
2	100 - 125	161 486 305	
3	150 - 200	161 486 010	



Integrated position indicator Electric Namur

Size	DN-DN [mm]	Code	
1	50 - 80	161 486 855	
2	100 - 125	161 486 301	
3	150 - 200	161 486 006	



Integrated position indicator Electric PNP

Size	DN-DN [mm]	Code	
1	50 - 80	161 486 856	
2	100 - 125	161 486 302	
3	150 - 200	161 486 007	

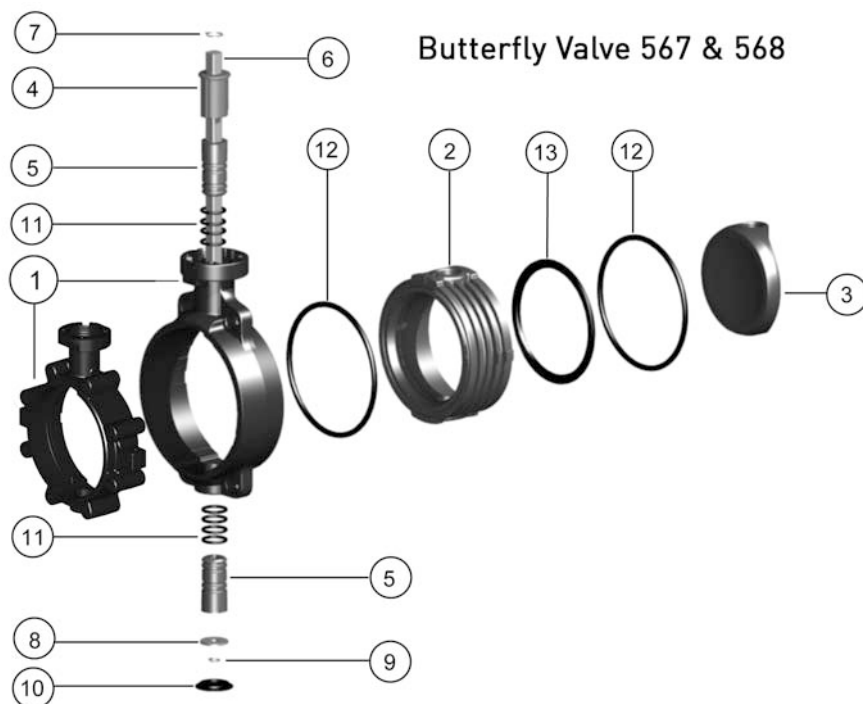


Integrated position indicator Electric NPN

Size	DN-DN [mm]	Code	
1	50 - 80	161 486 857	
2	100 - 125	161 486 303	
3	150 - 200	161 486 008	

Spare parts butterfly valves

Spare parts butterfly valve type 567/568



Inner body

Model:

- Inner body consisting of: inner body (2) and profile seal (13)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code	
63	2	50	161 486 861	161 486 873	163 481 591	163 481 603	169 481 067	
75	2 ½	65	161 486 862	161 486 874	163 481 592	163 481 604	169 481 068	
90	3	80	161 486 863	161 486 875	163 481 593	163 481 605	169 481 069	
110	4	100	161 486 864	161 486 876	163 481 594	163 481 606	169 481 070	
140	5	125	161 486 865	161 486 877	163 481 595	163 481 607	169 481 071	
160	6	150	161 486 866	161 486 878	163 481 596	163 481 608	169 481 072	
225	8	200	161 486 867	161 486 879	163 481 597	163 481 609	169 481 073	
280	10	250	161 486 868	161 486 880				
315	12	300	161 486 869	161 486 881				

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code	
63	2	50	167 484 271	167 484 286	175 483 413	
75	2 ½	65	167 484 272	167 484 287	175 483 414	
90	3	80	167 484 273	167 484 288	175 483 415	
110	4	100	167 484 274	167 484 289	175 483 416	
140	5	125	167 484 275	167 484 290	175 483 417	
160	6	150	167 484 276	167 484 291	175 483 418	
225	8	200	167 484 277	167 484 292	175 483 419	
280	10	250	167 484 278	167 484 293	175 483 420	
315	12	300	167 484 279	167 484 294	175 483 421	



Flange seal (12)

Model:

- included in delivery 2 pcs.

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
63	2	50	161 486 959	161 486 979	
75	2 ½	65	161 486 960	161 486 980	
90	3	80	161 486 961	161 486 981	
110	4	100	161 486 962	161 486 982	
125	5	125	161 486 963	161 486 983	
160	6	150	161 486 964	161 486 984	
225	8	200	161 486 965	161 486 985	
280	10	250	161 486 966	161 486 986	
315	12	300	161 486 967	161 486 987	



Disc (3)

d [mm]	Inch	DN [mm]	PVC-U Code	PVC-C Code	ABS Code	PP-H Code	PVDF Code	
63	2	50	161 490 889	163 481 451	169 480 951	167 483 226	175 483 251	
75	2 ½	65	161 490 890	163 481 452	169 480 952	167 483 227	175 483 252	
90	3	80	161 490 891	163 481 453	169 480 953	167 483 228	175 483 253	
110	4	100	161 490 892	163 481 454	169 480 954	167 483 229	175 483 254	
140	5	125	161 490 893	163 481 455	169 480 955	167 483 230	175 483 255	
160	6	150	161 490 894	163 481 456	169 480 956	167 483 231	175 483 256	
225	8	200	161 490 895	163 481 457	169 480 957	167 483 232	175 483 257	
280	10	250	161 490 896			167 483 233	175 483 258	
315	12	300	161 490 897			167 483 234	175 483 259	



Bearing bush (5, 11)

Model:

- included in delivery 2 pcs.
- With O-ring

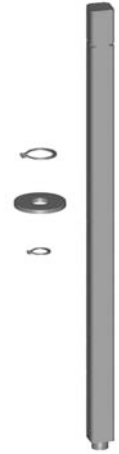
d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	PP-H EPDM Code	
63	2	50	161 486 886	161 486 892	163 481 576	163 481 582	167 484 259	
75	2 ½	65	161 486 886	161 486 892	163 481 576	163 481 582	167 484 259	
90	3	80	161 486 886	161 486 892	163 481 576	163 481 582	167 484 259	
110	4	100	161 486 887	161 486 893	163 481 577	163 481 583	167 484 260	
140	5	125	161 486 887	161 486 893	163 481 577	163 481 583	167 484 260	
160	6	150	161 486 888	161 486 894	163 481 578	163 481 584	167 484 261	
225	8	200	161 486 888	161 486 894	163 481 578	163 481 584	167 484 261	
280	10	250	161 486 889	161 486 895			167 484 262	
315	12	300	161 486 889	161 486 895			167 484 262	

d [mm]	Inch	DN [mm]	PP-H FPM Code	PVDF FPM Code	
63	2	50	167 484 265	175 483 426	
75	2 ½	65	167 484 265	175 483 426	
90	3	80	167 484 265	175 483 426	
110	4	100	167 484 266	175 483 427	
140	5	125	167 484 266	175 483 427	
160	6	150	167 484 267	175 483 428	
225	8	200	167 484 267	175 483 428	
280	10	250	167 484 268	175 483 429	
315	12	300	167 484 268	175 483 429	



End stop PP glasfiber reinforced (4)

d [mm]	Inch	DN [mm]	Code	
63	2	50	167 483 251	
75	2 ½	65	167 483 251	
90	3	80	167 483 251	
110	4	100	167 483 252	
140	5	125	167 483 252	
160	6	150	167 483 253	
225	8	200	167 483 253	
280	10	250	167 483 254	
315	12	300	167 483 254	



Shaft set

Model:

- Shaft set consisting of: shaft chrom steel 1.4301 AISI 304 (6), retention ring (7, 9) and washer (8)

d [mm]	Inch	DN [mm]	Code	
63	2	50	161 486 899	
75	2 ½	65	161 486 900	
90	3	80	161 486 901	
110	4	100	161 486 902	
140	5	125	161 486 903	
160	6	150	161 486 904	
225	8	200	161 486 905	
280	10	250	161 486 906	
315	12	300	161 486 907	



Hand lever

d [mm]	Inch	DN [mm]	with index plate Code	with fine adjustment Code	
63	2	50	161 486 690	161 486 325	
75	2 ½	65	161 486 690	161 486 325	
90	3	80	161 486 690	161 486 325	
110	4	100	161 486 691	161 486 326	
140	5	125	161 486 691	161 486 326	
160	6	150	161 486 694	161 486 327	
225	8	200	161 486 695	161 486 328	
280	10	250	161 486 697		
315	12	300	161 486 697		

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161 482 408	59
161 483 180	70
161 483 462	59
161 486 006	74
161 486 007	74
161 486 008	74
161 486 009	74
161 486 010	74
161 486 301	74
161 486 302	74
161 486 303	74
161 486 304	74
161 486 305	74
161 486 325	77
161 486 326	77
161 486 327	77
161 486 328	77
161 486 690	77
161 486 691	77
161 486 694	77
161 486 695	77
161 486 697	77
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General Condition of Supply of Georg Fischer Piping Systems Limited, Schaffhausen

1 General

- 1.1 These General Conditions shall apply to all Products supplied by Georg Fischer to the Purchaser. They shall also apply to all future business even when no express reference is made to them.
- 1.2 Any deviating or supplementary conditions especially Purchaser's general conditions of purchase and verbal agreements shall only be applicable if accepted in writing by Georg Fischer.
- 1.3 The written form shall be deemed to be fulfilled by all forms of transmission, evidenced in the form of text, such as telefax, e-mail, etc.

2 Tenders

- Tenders shall only be binding if they contain a specifically stated period for acceptance.

3 Scope of Delivery

- 3.1 Georg Fischer's product range is subject to change.
- 3.2 The confirmation of order shall govern the scope and execution of the contract.

4 Data and Documents

- 4.1 Technical documents such as drawings, descriptions, illustrations and data on dimensions, performance and weight as well as the reference to standards are for information purposes only. They are not warranted characteristics and are subject to change.
- 4.2 All technical documents shall remain the exclusive property of Georg Fischer and may only be used for the agreed purposes or as Georg Fischer may consent.

5 Confidentiality, Protection of Personal Data

- 5.1 Each party shall keep in strict confidence all commercial or technical information relating to the business of the other party, of which it has gained knowledge in the course of its dealing with the other party. Such information shall neither be disclosed to third parties nor used for other purposes than those for which the information has been supplied.
- 5.2 In the context of the contractual relation with the Purchaser personal data may be processed. The Purchaser agrees to the disclosure of said data to third parties such as foreign subcontractors and suppliers etc.

6 Local Laws and Regulations, Export Controls

- 6.1 The Purchaser shall bring to the attention of Georg Fischer all local laws and regulations at the place of destination which bear connection with the execution of the contract and the adherence to relevant safety regulations and approval procedures.
- 6.2 In case of re-exports, Purchaser shall be responsible for compliance with pertinent export control regulations.

7 Price

- 7.1 Unless agreed otherwise, the prices shall be deemed quoted net ex works (according to Incoterms of the ICC, latest version) including standard packing. All supplementary costs such as the cost of carriage, insurance, export-, transit- and import duties etc. shall be borne by the Purchaser. The Purchaser shall also bear the costs of all taxes, fees, duties etc. connected with the contract.
- 7.2 If the costs of packing, carriage, insurance, fees and other supplementary costs are included in the tender price or contract price or are referred to specifically in the tender or confirmation of order, Georg Fischer reserve the right to revise their prices accordingly should any change occur in the relevant tariffs.

8 Terms of Payment

- 8.1 The Purchaser shall make payment in the manner agreed by the parties without any deductions such as discounts, costs, taxes or dues.
- 8.2 The Purchaser may only withhold or off-set payments due against counter claims which are either expressly acknowledged by Georg Fischer or finally awarded to the Purchaser. In particular, payment shall still be made when unessential items are still out-standing provided that the Products already delivered are not rendered unusable as a result.

9 Retention of Title

- 9.1 The Products shall remain the property of Georg Fischer until the Purchaser shall have settled all claims, present and future, which Georg Fischer may have against him.
- 9.2 Should the Purchaser resell Products to which title is reserved, in the ordinary course of business, he shall hereby be deemed to have tacitly assigned to Georg Fischer the proceeds deriving from their sale together with all collateral rights, securities and reservations of title until all claims held by Georg Fischer shall have been settled. Until revoked by Georg Fischer, this assignment shall not preclude Purchaser's right to collect the assigned receivables.
- 9.3 To the extent the value of the Products to which title is reserved together with collateral securities exceeds Georg Fischer's claims against the Purchaser by more than 20%, Georg Fischer shall re-assign the above proceeds to Purchaser at his request.

10 Delivery

- 10.1 The term of delivery shall commence as soon as the contract has been entered into, all official formalities such as import and payment permits have been obtained and all essential technical issues have been settled. The term of delivery shall be deemed duly observed when, upon its expiry, the Products are ready for despatch.
- 10.2 Delivery is subject to the following conditions, i.e. the term of delivery shall be reasonably extended:
 - a) if Georg Fischer are not supplied in time with the information necessary for the execution of the contract or if subsequent changes causing delays are made by the Purchaser.
 - b) if Georg Fischer are prevented from performing the contract by force majeure. Force majeure shall equally be deemed to be any unforeseeable event beyond Georg Fischer's control which renders Georg Fischer's performance commercially unpractical or impossible, such as delayed or defective supplies from sub contractors labour disputes, governmental orders or regulations, shortages in materials or energy, serious disturbances in Georg Fischer's works, such as the total or partial destruction of plant and equipment or the breakdown of essential facilities, serious disruptions in transport facilities, e.g. impassable roads.
Should the effect of force majeure exceed a period of six months, either party may cancel the contract forthwith.
Georg Fischer shall not be liable for any damage or loss of any kind whatsoever resulting therefrom, any suspension or cancellation being without prejudice to Georg Fischer's right to recover all sums due in respect of consignments delivered and costs incurred to date.
 - c) if the Purchaser is in delay with the fulfilment of his obligations under the contract, in particular, if he does not adhere to the agreed conditions of payment or if he has failed to timely provide the agreed securities.
- 10.3 If for reasons attributable to Georg Fischer the agreed term of delivery or a reasonable extension thereof is exceeded, Georg Fischer shall not be deemed in default until the Purchaser has granted to Georg Fischer in writing a reasonable extension thereof of not less than one month which equally is not met.
The Purchaser shall then be entitled to the remedies provided at law, it being however understood that, subject to limitations of Art. 16, damage claims shall be limited to max. 10% of the price of the delayed delivery.
- 10.4 Part shipments shall be allowed and Georg Fischer shall be entitled to invoice for such partial deliveries.
- 10.5 If the Purchaser fails to take delivery within a reasonable time of Products notified as ready for despatch, Georg Fischer shall be entitled to store the Products at the Purchaser's expense and risk and to invoice them as delivered. If Purchaser fails to effect payment, Georg Fischer shall be entitled to dispose of the Products.
- 10.6 Should Purchaser cancel an order without justification and should Georg Fischer not insist on the performance of the contract, Georg Fischer shall be entitled to liquidated damages in the amount of 10% of the contract price, Georg Fischer's right to prove and claim higher damages remaining reserved. Purchaser shall be entitled to prove, that Georg Fischer has suffered no or a considerably lower damage.

11 Packing

- If the Products are provided with additional packing over and above the standard packing, such packing shall be charged additionally.

12 Passing of Risk

- 12.1 The risk in the Products shall pass to the Purchaser as soon as they have left Georg Fischer's works (EXWORKS, Incoterms ICC, latest version), even if delivery is made carriage-paid, under similar clauses or including installation or when carriage is organized and managed by Georg Fischer.
- 12.2 If delivery is delayed for reasons beyond Georg Fischer's control, the risk shall pass to the Purchaser when he is notified that the Products are ready for despatch.

13 Carriage and Insurance

- 13.1 Unless agreed otherwise, the Purchaser shall bear the cost of carriage.
- 13.2 The Purchaser shall be responsible for transport insurance against damage of whatever kind. Even when such insurance is arranged by Georg Fischer it shall be deemed taken out by the order of and for the account of the Purchaser and at his risk.
- 13.3 Special requests regarding carriage and insurance shall be communicated to Georg Fischer in due time. Otherwise carriage shall be arranged by Georg Fischer at their discretion, but without responsibility, by the quickest and cheapest method possible.
In case of carriage-paid delivery transport arrangements shall be made by Georg Fischer. If the Purchaser specifies particular requirements, any extra costs involved shall be borne by him.
- 13.4 In the event of damage or loss of the Products during carriage the Purchaser shall mark the delivery documents accordingly and immediately have the damage ascertained by the carrier. Not readily ascertainable damages sustained during carriage shall be notified to the carrier within six days after receipt of the Products.

14 Inspection, Notification of Defects and Damages

- 14.1 The Products will be subject to normal inspection by Georg Fischer during manufacture. Additional tests required by the Purchaser shall be agreed upon in writing and shall be charged to the Purchaser.
- 14.2 It shall be a condition of Georg Fischer's obligation under the warranties stated hereinafter that Georg Fischer be notified in writing by the Purchaser of any purported defect immediately upon discovery. Notice concerning weight, numbers or apparent defects is to be given latest within 30 days from receipt of the Products, notice of other defects immediately latest within 7 working days after discovery, in any event within the agreed warranty period.
- 14.3 Purchaser shall not dispose of allegedly defective Products until all warranty and/or damage claims are finally settled. At its request, defective Products are to be placed at Georg Fischer's disposal.
- 14.4 At its request, Georg Fischer shall be given the opportunity to inspect the defect and/or damage, prior to commencement of remedial work, either itself or by third party experts.

15 Warranty

- 15.1 At the written request of the Purchaser, Georg Fischer undertake to repair or replace at their discretion, as quickly as possible and free of charge all Products supplied which demonstrably suffer from faulty design, materials or workman-ship or from faulty operating or installation instructions.
In order to protect employees from toxic or radioactive substances which may have been transported through defective parts returned to Georg Fischer's sales organisation, said parts must be accompanied by a Material Safety Disclosure Form. The form may be obtained from Georg Fischer's local sales company or via www.piping.georgfischer.com.
Replaced parts shall become property of Georg Fischer.
- 15.2 For Products which are manufactured to specifications, drawings or patterns supplied by the Purchaser, Georg Fischer's warranty shall be restricted to proper materials and workmanship.
- 15.3 The Purchaser shall be entitled to cancel the contract or to demand a reduction in the contract price if also a second attempt to repair or replace the Products has failed.
- 15.4 For Products or essential components manufactured by a third party and supplied by Georg Fischer under this contract, Georg Fischer's warranty is limited to the warranty provided by said third party.
- 15.5 This warranty shall not apply to damage resulting from normal wear and tear, improper storage and maintenance, failure to observe the operating instructions, overstressing or overloading, unsuitable operating media, unsuitable construction work or unsuitable building ground, improper repairs or alterations by the Purchaser or third parties, the use of other than original spare parts and other reasons beyond Georg Fischer's control.
- 15.6 No action or claim may be brought by the Purchaser on account of any alleged breach of warranty or any other obligation of Georg Fischer after the expiration of twelve (12) months from receipt of the Products by the end user or at the latest within eighteen (18) months of the Products being despatched by Georg Fischer.
- 15.7 In case of Products for use in domestic installations or in utilities
 - Georg Fischer will assume the costs of dismantling the defective Product and restoring the damaged object as well as, in case of negligence, all other direct damages caused by the defective Product (damage to property and injury to or death of persons) up to CHF 1 000 000 per occurrence.
 - the statute of limitations for warranty or damage claims - contrary to Section 15.6 - will be 5 years from the date of installation.

16 Limitation of Liability

- All cases of breach of contract and the relevant consequences as well as all rights and claims on the part of the customer, irrespective on what ground they are based, are exhaustively covered by these general conditions of supply. In particular, any claims not expressly mentioned for damages, reduction of price, termination of or withdrawal from the contract are excluded. In no case whatsoever shall the customer be entitled to claim damages other than compensation for costs of remedying defects in the supplies. This in particular refers, but shall not be limited, to loss of production, loss of use, loss of orders, loss of profit and other direct or indirect or consequential damage. This exclusion of liability, however, does not apply to unlawful intent or gross negligence on the part of Georg Fischer and in case of strict liability under applicable product liability statutes, but does apply to unlawful intent or gross negligence of persons employed or appointed by Georg Fischer to perform any of its obligations.

17 Severability

- Should any term or clause of these General Conditions in whole or in part be found to be unenforceable or void, all other provisions shall remain in full force and effect and the unenforceable or void provision shall be replaced by a valid provision, which comes closest to the original intention of the unenforceable or invalid provision.

18 Place of Performance and Jurisdiction

- 18.1 Place of performance for the Products shall be the Georg Fischer works from which the Products are despatched.
- 18.2 Any civil action based upon any alleged breach of this contract shall be filed and prosecuted exclusively in the courts of Schaffhausen, Switzerland.
Georg Fischer however reserves the right to file actions in any court having jurisdiction over controversies arising out of or in connection with the present contract.
- 18.3 The contract shall be governed by Swiss law without regard to conflict of law provisions that would require the application of another law.

GF Piping Systems → worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries.

www.piping.georgfischer.com

www.type567.georgfischer.com



The technical data are not binding and not expressly warranted characteristics of the goods. They are subject to change. Our General Conditions of Sale apply.

Adding Quality to People's Lives

Australia

George Fischer Pty Ltd
Riverwood NSW 2210 Australia
Phone +61(0)2 9502 8000
australia.ps@georgfischer.com
www.georgfischer.com.au

Austria

Georg Fischer
Rohrleitungssysteme GmbH
3130 Herzogenburg
Phone +43(0)2782 856 43-0
austria.ps@georgfischer.com
www.georgfischer.at

Belgium/Luxembourg

Georg Fischer NV/SA
1070 Bruxelles/Brüssel
Phone +32(0)2 556 40 20
be.ps@georgfischer.com
www.georgfischer.be

Brazil

Georg Fischer Ltda
04795-100 São Paulo
Phone +55(0)11 5687 1311
br.ps@georgfischer.com

China

Georg Fischer
Piping Systems Ltd Shanghai
Pudong, Shanghai 201319
Phone +86(0)21 58 13 33 33
china.ps@georgfischer.com
www.cn.piping.georgfischer.com

Denmark/Iceland

Georg Fischer A/S
2630 Taastrup
Phone +45 (0)70 22 19 75
info.dk.ps@georgfischer.com
www.georgfischer.dk

France

Georg Fischer SAS
95932 Roissy Charles de Gaulle Cedex
Phone +33(0)1 41 84 68 84
fr.ps@georgfischer.com
www.georgfischer.fr

Germany

Georg Fischer GmbH
73095 Albershausen
Phone +49(0)7161 302-0
info.de.ps@georgfischer.com
www.georgfischer.de

India

Georg Fischer Piping Systems Ltd
400 076 Mumbai
Phone +91 224007 2001
in.ps@georgfischer.com
www.georgfischer.in

Italy

Georg Fischer S.p.A.
20063 Cernusco S/N (MI)
Phone +3902 921 861
it.ps@georgfischer.com
www.georgfischer.it

Japan

Georg Fischer Ltd
556-0011 Osaka,
Phone +81(0)6 6635 2691
jp.ps@georgfischer.com
www.georgfischer.jp

Korea

Georg Fischer Piping Systems
Guro-3 dong, Guro-gu, Seoul, Korea
Phone +82(0)2 2081 1450
Fax +82(0)2 2081 1453
kor.ps@georgfischer.com

Malaysia

George Fischer (M) Sdn. Bhd.
40460 Shah Alam, Selangor Darul Ehsan
Phone +60 (0)3 5122 5585
my.ps@georgfischer.com

Mexico

Georg Fischer S.A. de C.V.
Apodaca, Nuevo Leon
CP66636 Mexico
Phone +52 (81)1340 8586
Fax +52 (81)1522 8906

Middle East

Georg Fischer Piping Systems
Dubai, United Arab Emirates
Phone +971 4 289 49 60
info.export@georgfischer.com
www.export.georgfischer.com

Netherlands

Georg Fischer N.V.
8161 PA Epe
Phone +31(0)578 678 222
nl.ps@georgfischer.com
www.georgfischer.nl

Norway

Georg Fischer AS
1351 Rud
Phone +47(0)67 18 29 00
no.ps@georgfischer.com
www.georgfischer.no

Poland

Georg Fischer Sp. z o.o.
02-226 Warszawa
Phone +48(0)22 313 10 50
poland.ps@georgfischer.com
www.georgfischer.pl

Romania

Georg Fischer
Piping Systems Ltd
020257 Bucharest - Sector 2
Phone +40(0)21 230 53 80
ro.ps@georgfischer.com
www.export.georgfischer.com

Russia

Georg Fischer Piping Systems
Moscow 125047
Tel. +7 495 258 60 80
ru.ps@georgfischer.com
www.georgfischer.ru

Singapore

George Fischer Pte Ltd
528 872 Singapore
Phone +65(0)67 47 06 11
sgp.ps@georgfischer.com
www.georgfischer.com.sg

Spain/Portugal

Georg Fischer S.A.
28046 Madrid
Phone +34(0)91 781 98 90
es.ps@georgfischer.com
www.georgfischer.es

Sweden/Finland

Georg Fischer AB
12523 Älvsjö-Stockholm
Phone +46(0)8 506 775 00
info.se.ps@georgfischer.com
www.georgfischer.se

Switzerland

Georg Fischer
Rohrleitungssysteme (Schweiz) AG
8201 Schaffhausen
Phone +41(0)52 631 30 26
ch.ps@georgfischer.com
www.piping.georgfischer.ch

Taiwan

Georg Fischer Piping Systems
San Chung City, Taipei Hsien
Phone +886 2 8512 2822
Fax +886 2 8512 2823

United Kingdom/Ireland

Georg Fischer Sales Limited
Coventry, CV2 2ST
Phone +44(0)2476 535 535
uk.ps@georgfischer.com
www.georgfischer.co.uk

USA/Canada/Latin America/Caribbean

Georg Fischer LLC
Tustin, CA 92780-7258
Phone +1(714) 731 88 00
Toll Free 800 854 40 90
us.ps@georgfischer.com
www.us.piping.georgfischer.com

International

Georg Fischer
Piping Systems (Switzerland) Ltd.
8201 Schaffhausen/Switzerland
Phone +41(0)52 631 30 03
Fax +41(0)52 631 28 93
info.export@georgfischer.com
www.export.georgfischer.com