

Product Range

Butterfly Valve Type 568



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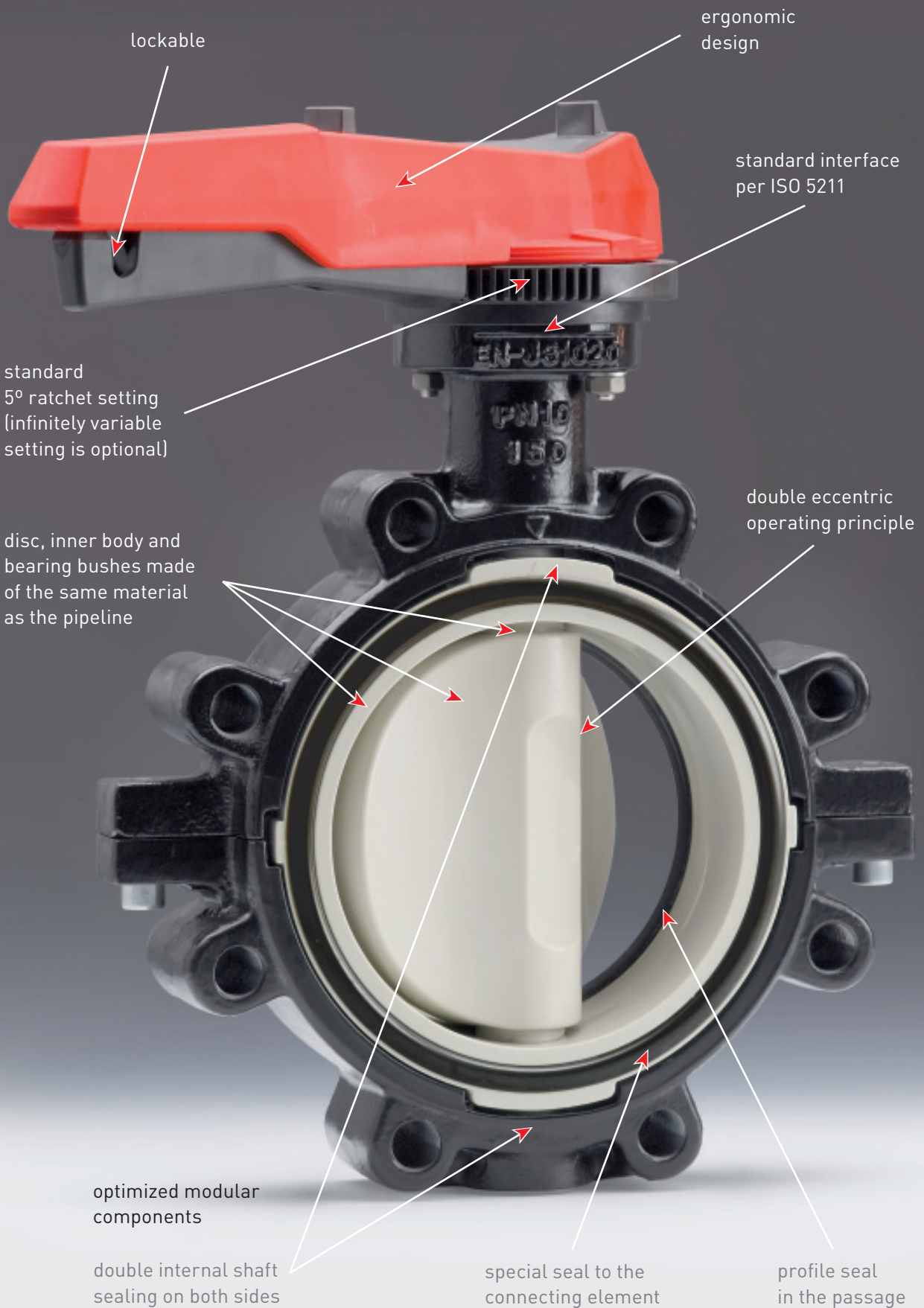
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➤ A winner in every detail



The system overview

GF Piping Systems presents the butterfly valve 568 type series for a multitude of interesting combination possibilities.

The product range includes manual valves with hand lever or reduction gear as well as pneumatically or electrically actuated valves from DN50 to DN200.

The system follows a modular design principle, enabling you to exchange individual system components quickly, easily and effortlessly. You also have a choice of materials: PVC-U, PVC-C, ABS or β -PP-H and PVDF.

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

All the customary installation pipe standards are supplied:

- metric: DIN, EN, ISO
- inch: ASTM

With this wide range of products to choose from, you can always rely on having the best possible solution for your application. The butterfly valve type 568 from GF Piping Systems conforms to the following international standards:

EN ISO 16136

Industrial valves – thermoplastic butterfly valves

ISO 9393

Thermoplastic valves – pressure test methods and requirements

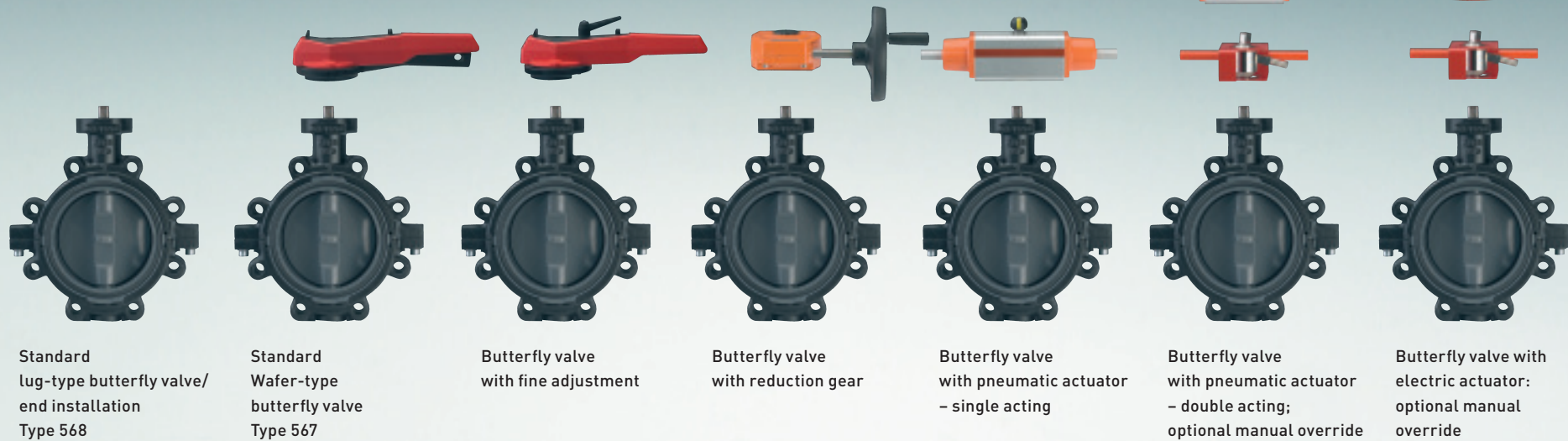
Face-to-face length according to **ISO 5752 (average)**

Approvals:

GL, LR, BV, RINA, ABS, DNV, CCS, RMRS

Approvals pending:

DIBt, NSF61



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

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.

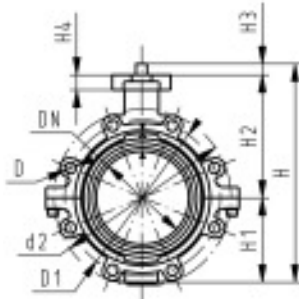
Butterfly valves PVC-U metric

Lugstyle butterfly valve type 568 PVC-U Bare shaft

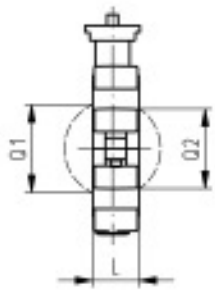


Model:

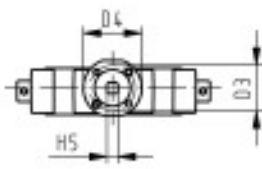
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	161 568 802	161 568 822
75	65	2 ½	10	2200	161 568 803	161 568 823
90	80	3	10	3000	161 568 804	161 568 824
110	100	4	10	6500	161 568 805	161 568 825
140	125	5	10	11500	161 568 806	161 568 826
160	150	6	10	16600	161 568 807	161 568 827
225	200	8	10	39600	161 568 808	161 568 828



d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	70	90	222	77	134	27	23	45	40	
75	170	M16	145	70	90	235	83	140	27	23	46	54	35
90	184	M16	160	70	90	247	89	146	27	23	49	67	50
110	216	M16	180	70	90	287	104	167	16	23	56	88	74
140	246	M16	210	70	90	313	117	181	16	23	64	113	97
160	273	M20	240	70	90	335	130	189	19	23	72	139	123
225	334	M20	295	70	90	387	158	210	19	23	73	178	169



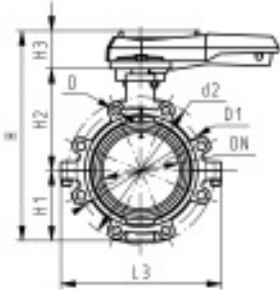


Lugstyle butterfly valve type 568 PVC-U Hand lever with ratchet settings

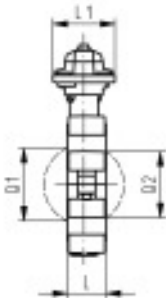


Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

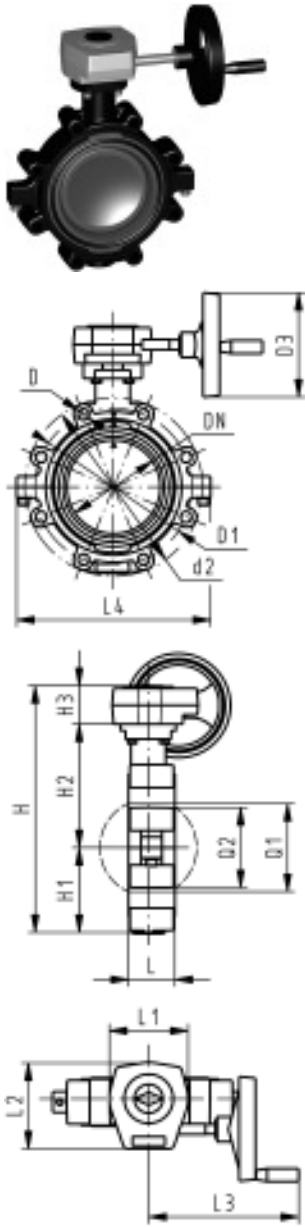


d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	161 568 002	161 568 022
75	65	2 ½	10	2200	161 568 003	161 568 023
90	80	3	10	3000	161 568 004	161 568 024
110	100	4	10	6500	161 568 005	161 568 025
140	125	5	10	11500	161 568 006	161 568 026
160	150	6	10	16600	161 568 007	161 568 027
225	200	8	10	39600	161 568 008	161 568 028



d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	265	77	134	54	45	106	205	150	40	
75	170	M16	145	277	83	140	54	46	106	205	160	54	35
90	184	M16	160	289	89	146	54	49	106	205	205	67	50
110	216	M16	180	326	104	167	55	56	106	255	244	88	74
140	246	M16	210	353	117	181	55	64	106	255	272	113	97
160	273	M20	240	374	130	189	55	72	106	255	297	139	123
225	334	M20	295	435	158	210	67	73	140	408	360	178	169





Lugstyle butterfly valve type 568 PVC-U Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	161 568 042	161 568 062										
75	65	2 ½	10	2200	161 568 043	161 568 063										
90	80	3	10	3000	161 568 044	161 568 064										
110	100	4	10	6500	161 568 045	161 568 065										
140	125	5	10	11500	161 568 046	161 568 066										
160	150	6	10	16600	161 568 047	161 568 067										
225	200	8	10	39600	161 568 048	161 568 068										

d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	160	279	77	134	68	45	120	132	236	150	40	
75	170	M16	145	160	291	83	140	68	46	120	132	236	160	54	35
90	184	M16	160	160	303	89	146	68	49	120	132	236	205	67	50
110	216	M16	180	160	339	104	167	68	56	120	132	236	244	88	74
140	246	M16	210	160	366	117	181	68	64	120	132	236	272	113	97
160	273	M20	240	160	387	130	189	68	72	120	132	236	297	139	123
225	334	M20	295	160	436	158	210	68	73	120	132	236	360	178	169

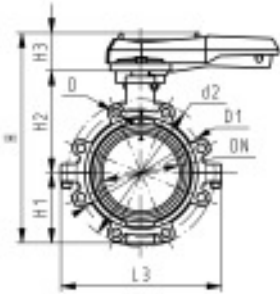
Butterfly valves PVC-U SF metric

Lugstyle butterfly valve type 568 PVC-U SF Hand lever with ratchet settings

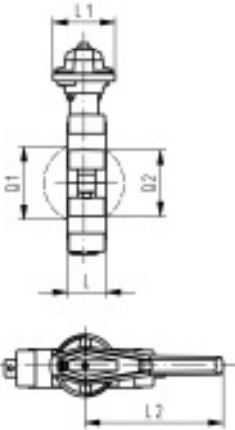


Model:

- Silicon-free / paint-compatible
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752



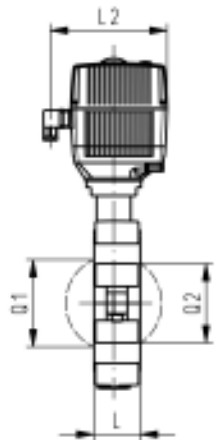
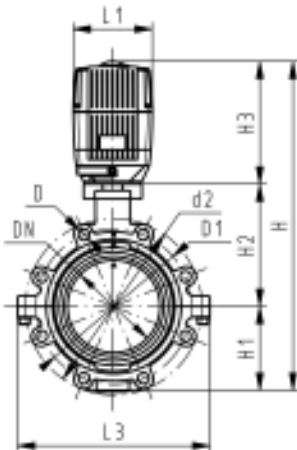
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	161 568 402	161 568 422
75	65	2 ½	10	2200	161 568 403	161 568 423
90	80	3	10	3000	161 568 404	161 568 424
110	100	4	10	6500	161 568 405	161 568 425
140	125	5	10	11500	161 568 406	161 568 426
160	150	6	10	16600	161 568 407	161 568 427
225	200	8	10	39600	161 568 408	161 568 428



d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	265	77	134	54	45	106	205	150	40	
75	170	M16	145	277	83	140	54	46	106	205	160	54	35
90	184	M16	160	289	89	146	54	49	106	205	205	67	50
110	216	M16	180	326	104	167	55	56	106	255	244	88	74
140	246	M16	210	353	117	181	55	64	106	255	272	113	97
160	273	M20	240	374	130	189	55	72	106	255	297	139	123
225	334	M20	295	435	158	210	57	73	140	408	360	178	169

Butterfly valves electric PVC-U metric

Lugstyle butterfly valve type 141 PVC-U 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 042	199 141 062
75	65	2 ½	10	2200	199 141 043	199 141 063
90	80	3	10	3000	199 141 044	199 141 064
110	100	4	10	6500	199 141 045	199 141 065
140	125	5	10	11500	199 141 046	199 141 066
160	150	6	10	16600	199 141 047	199 141 067
225	200	8	10	39600	199 141 048	199 141 068

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40	
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54	35
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67	50
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88	74
140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113	97
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139	123
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178	169

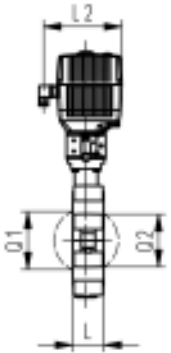
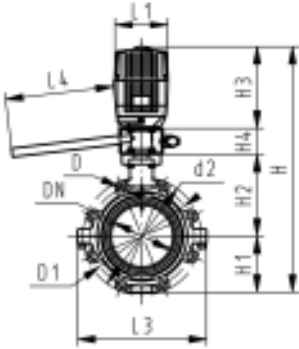


Lugstyle butterfly valve type 141 PVC-U 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 002	199 141 022
75	65	2 1/2	10	2200	199 141 003	199 141 023
90	80	3	10	3000	199 141 004	199 141 024
110	100	4	10	6500	199 141 005	199 141 025
140	125	5	10	11500	199 141 006	199 141 026
160	150	6	10	16600	199 141 007	199 141 027
225	200	8	10	39600	199 141 008	199 141 028

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150	200
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160	200
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205	200
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244	250
140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272	250
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297	250
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360	250

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

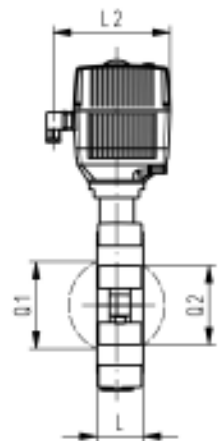
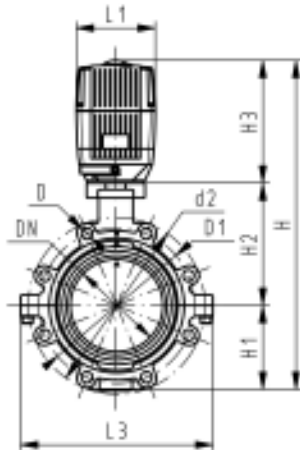


Lugstyle butterfly valve type 141 PVC-U 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 122	199 141 142
75	65	2 ½	10	2200	199 141 123	199 141 143
90	80	3	10	3000	199 141 124	199 141 144
110	100	4	10	6500	199 141 125	199 141 145
140	125	5	10	11500	199 141 126	199 141 146
160	150	6	10	16600	199 141 127	199 141 147
225	200	8	10	39600	199 141 128	199 141 148

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40	35
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54	50
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67	50
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88	74
140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113	97
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139	123
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178	169

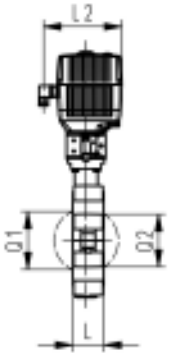
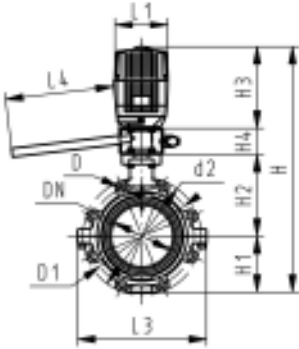


Lugstyle butterfly valve type 141 PVC-U 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 082	199 141 102
75	65	2 ½	10	2200	199 141 083	199 141 103
90	80	3	10	3000	199 141 084	199 141 104
110	100	4	10	6500	199 141 085	199 141 105
140	125	5	10	11500	199 141 086	199 141 106
160	150	6	10	16600	199 141 087	199 141 107
225	200	8	10	39600	199 141 088	199 141 108

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150	200
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160	200
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205	200
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244	250
140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272	250
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297	250
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360	250

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

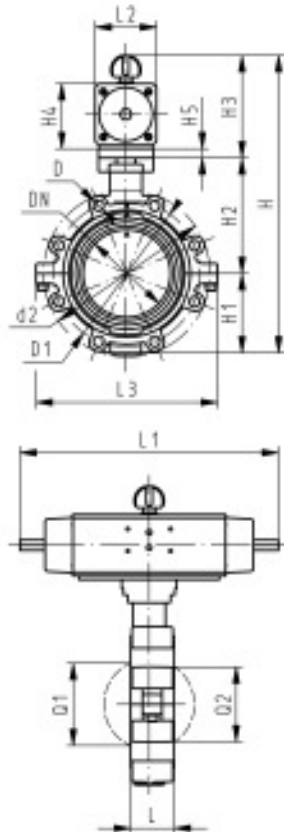
Butterfly valves pneumatic PVC-U metric

Lugstyle butterfly valve type 241 PVC-U FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 241 002	199 241 022
75	65	2 ½	10	2200	199 241 003	199 241 023
90	80	3	10	3000	199 241 004	199 241 024
110	100	4	10	6500	199 241 005	199 241 025
140	125	5	10	11500	199 241 006	199 241 026
160	150	6	10	16600	199 241 007	199 241 027
225	200	8	10	39600	199 241 008	199 241 028

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-30 FC	M16	125	150	328	77	134	117	70	15	45	276	65	150
75	PA-30 FC	M16	145	170	340	83	140	117	70	15	46	276	65	160
90	PA-35 FC	M16	160	184	361	89	146	126	78	15	49	326	72	205
110	PA-40 FC	M16	180	216	400	104	167	129	86		56	370	80	244
140	PA-45 FC	M16	210	246	437	117	181	139	96		64	411	90	272
160	PA-50 FC	M20	240	273	468	130	189	149	106		72	423	100	297
225	PA-55 FC	M20	295	334	529	158	210	161	118		73	452	112	360

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

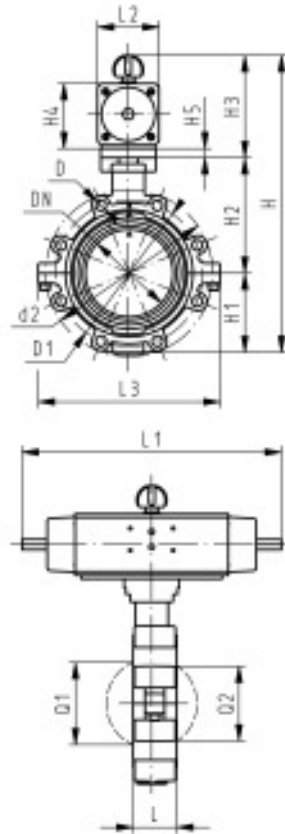


Lugstyle butterfly valve type 241 PVC-U FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 241 042	199 241 062
75	65	2 ½	10	2200	199 241 043	199 241 063
90	80	3	10	3000	199 241 044	199 241 064
110	100	4	10	6500	199 241 045	199 241 065
140	125	5	10	11500	199 241 046	199 241 066
160	150	6	10	16600	199 241 047	199 241 067
225	200	8	10	39600	199 241 048	199 241 068

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-30 FO	M16	125	150	328	77	134	117	70	15	45	276	65	150
75	PA-30 FO	M16	145	170	340	83	140	117	70	15	46	276	65	160
90	PA-35 FO	M16	160	184	361	89	146	126	78	15	49	326	72	205
110	PA-40 FO	M16	180	216	400	104	167	129	86		56	370	80	244
140	PA-45 FO	M16	210	246	437	117	181	139	96		64	411	90	272
160	PA-50 FO	M20	240	273	468	130	189	149	106		72	423	100	297
225	PA-55 FO	M20	295	334	529	158	210	161	118		73	452	112	360

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

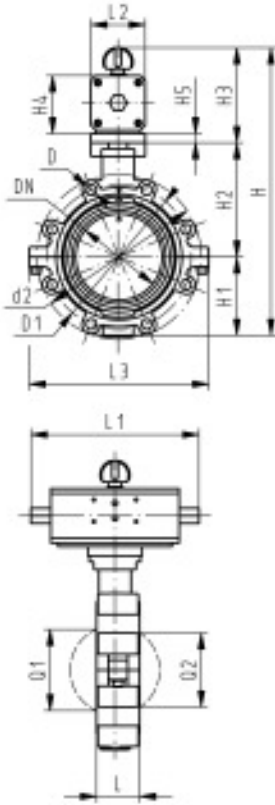


Lugstyle butterfly valve type 241 PVC-U DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 241 082	199 241 102
75	65	2 ½	10	2200	199 241 083	199 241 103
90	80	3	10	3000	199 241 084	199 241 104
110	100	4	10	6500	199 241 085	199 241 105
140	125	5	10	11500	199 241 086	199 241 106
160	150	6	10	16600	199 241 087	199 241 107
225	200	8	10	39600	199 241 088	199 241 108

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-35 DA	M16	125	150	318	77	134	107	60	15	45	177	55	150
75	PA-35 DA	M16	145	170	330	83	140	107	60	15	46	177	55	160
90	PA-40 DA	M16	160	184	348	89	146	113	66	15	49	190	60	205
110	PA-45 DA	M16	180	216	373	104	167	102	71		56	198	65	244
140	PA-45 DA	M16	210	246	409	117	181	111	78		64	235	72	272
160	PA-55 DA	M20	240	273	448	130	189	129	86		72	250	80	297
225	PA-55 DA	M20	295	334	507	158	210	139	96		73	279	90	360

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

Butterfly valves PVC-C metric

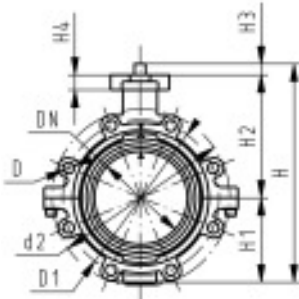
Lugstyle butterfly valve type 568 PVC-C Bare shaft



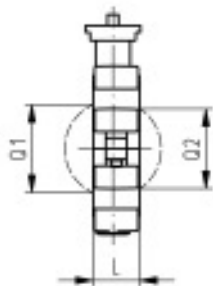
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211

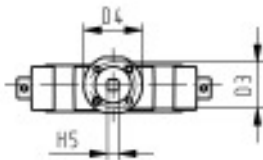
* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*63	50	2	10	1470	163 568 802	163 568 822
75	65	2 ½	10	2200	163 568 803	163 568 823
90	80	3	10	3000	163 568 804	163 568 824
110	100	4	10	6500	163 568 805	163 568 825
*140	125	5	10	11500	163 568 806	163 568 826
160	150	6	10	16600	163 568 807	163 568 827
225	200	8	10	39600	163 568 808	163 568 828



d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
*63	150	M16	125	70	90	222	77	134	27	23	45	40	
75	170	M16	145	70	90	235	83	140	27	23	46	54	35
90	184	M16	160	70	90	247	89	146	27	23	49	67	50
110	216	M16	180	70	90	287	104	167	16	23	56	88	74
*140	246	M16	210	70	90	313	117	181	16	23	64	113	97
160	273	M20	240	70	90	335	130	189	19	23	72	139	123
225	334	M20	295	70	90	387	158	210	19	23	73	178	169





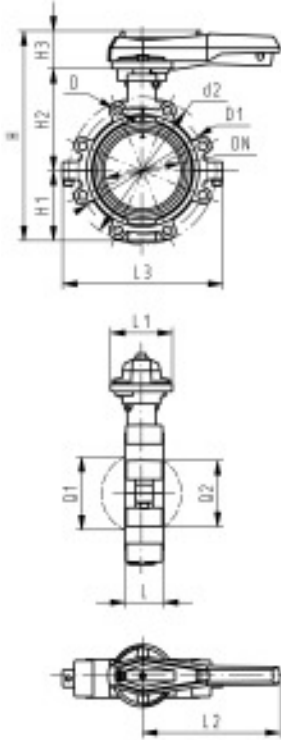
Lugstyle butterfly valve type 568 PVC-C Hand lever with ratchet settings



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

* Available 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	163 568 002	163 568 022								
75	65	2 ½	10	2200	163 568 003	163 568 023								
90	80	3	10	3000	163 568 004	163 568 024								
110	100	4	10	6500	163 568 005	163 568 025								
*140	125	5	10	11500	163 568 006	163 568 026								
160	150	6	10	16600	163 568 007	163 568 027								
225	200	8	10	39600	163 568 008	163 568 028								

d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]		
*63	150	M16	125	265	77	134	54	45	106	205	150	40			
75	170	M16	145	277	83	140	54	46	106	205	160	54	35		
90	184	M16	160	289	89	146	54	49	106	205	205	67	50		
110	216	M16	180	326	104	167	55	56	106	255	244	88	74		
*140	246	M16	210	353	117	181	55	64	106	255	272	113	97		
160	273	M20	240	374	130	189	55	72	106	255	297	139	123		
225	334	M20	295	435	158	210	67	73	140	408	360	178	169		



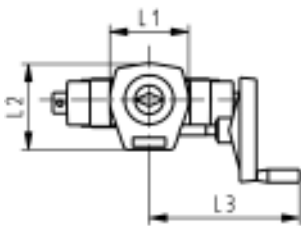
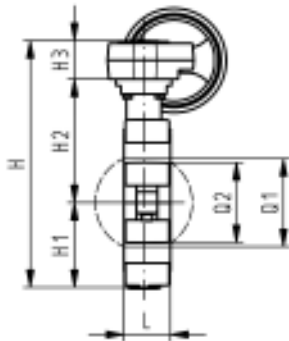
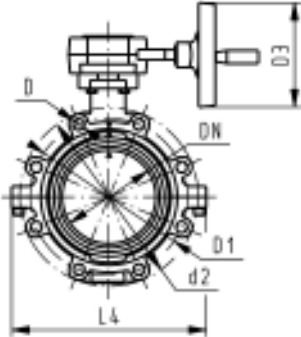
Lugstyle butterfly valve type 568 PVC-C Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

* Available on request



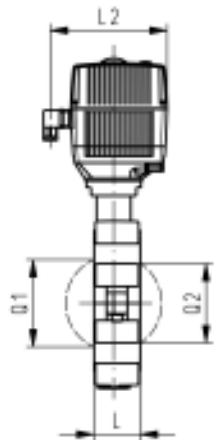
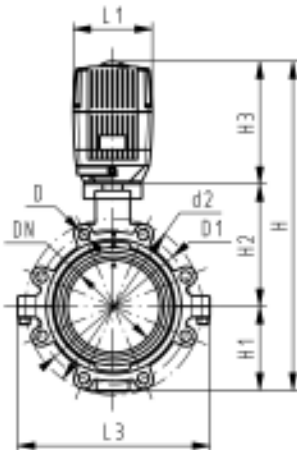
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*63	50	2	10	1470	163 568 042	163 568 062
75	65	2 ½	10	2200	163 568 043	163 568 063
90	80	3	10	3000	163 568 044	163 568 064
110	100	4	10	6500	163 568 045	163 568 065
*140	125	5	10	11500	163 568 046	163 568 066
160	150	6	10	16600	163 568 047	163 568 067
225	200	8	10	39600	163 568 048	163 568 068

d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]
*63	150	M16	125	160	279	77	134	68	45	120	132	236	150	40
75	170	M16	145	160	291	83	140	68	46	120	132	236	160	54
90	184	M16	160	160	303	89	146	68	49	120	132	236	205	67
110	216	M16	180	160	339	104	167	68	56	120	132	236	244	88
*140	246	M16	210	160	366	117	181	68	64	120	132	236	272	113
160	273	M20	240	160	387	130	189	68	72	120	132	236	297	139
225	334	M20	295	160	436	158	210	68	73	120	132	236	360	178

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

Butterfly valves electric PVC-C metric

Lugstyle butterfly valve type 141 PVC-C 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available 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	199 141 202	199 141 222
75	65	2 ½	10	2200	199 141 203	199 141 223
90	80	3	10	3000	199 141 204	199 141 224
110	100	4	10	6500	199 141 205	199 141 225
*140	125	5	10	11500	199 141 206	199 141 226
160	150	6	10	16600	199 141 207	199 141 227
225	200	8	10	39600	199 141 208	199 141 228

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
*63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88
*140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178

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



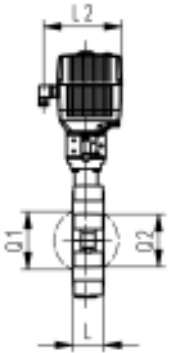
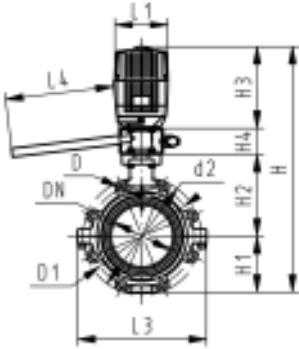
Lugstyle butterfly valve type 141 PVC-C 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available 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	199 141 162	199 141 182
75	65	2 ½	10	2200	199 141 163	199 141 183
90	80	3	10	3000	199 141 164	199 141 184
110	100	4	10	6500	199 141 165	199 141 185
*140	125	5	10	11500	199 141 166	199 141 186
160	150	6	10	16600	199 141 167	199 141 187
225	200	8	10	39600	199 141 168	199 141 188

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244
*140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360

d [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*63	200	40	
75	200	54	35
90	200	67	50
110	250	88	74
*140	250	113	97
160	250	139	123
225	250	178	169



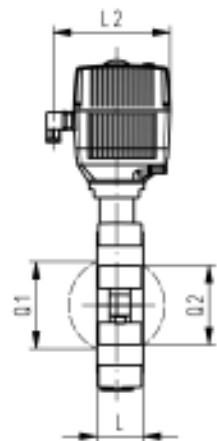
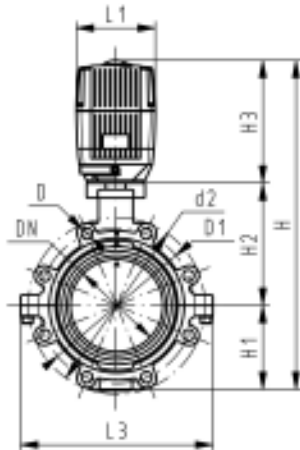
Lugstyle butterfly valve type 141 PVC-C 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available 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	199 141 282	199 141 302
75	65	2 ½	10	2200	199 141 283	199 141 303
90	80	3	10	3000	199 141 284	199 141 304
110	100	4	10	6500	199 141 285	199 141 305
*140	125	5	10	11500	199 141 286	199 141 306
160	150	6	10	16600	199 141 287	199 141 307
225	200	8	10	39600	199 141 288	199 141 308

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
*63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88
*140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178

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



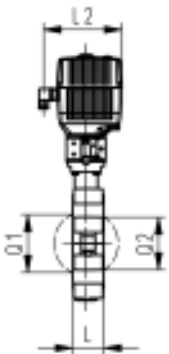
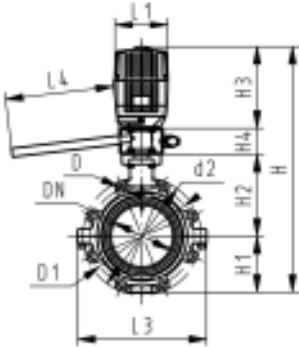
Lugstyle butterfly valve type 141 PVC-C 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available 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	199 141 242	199 141 262
75	65	2 ½	10	2200	199 141 243	199 141 263
90	80	3	10	3000	199 141 244	199 141 264
110	100	4	10	6500	199 141 245	199 141 265
*140	125	5	10	11500	199 141 246	199 141 266
160	150	6	10	16600	199 141 247	199 141 267
225	200	8	10	39600	199 141 248	199 141 268

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244
*140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360

d [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*63	200	40	
75	200	54	35
90	200	67	50
110	250	88	74
*140	250	113	97
160	250	139	123
225	250	178	169

Butterfly valves pneumatic PVC-C metric

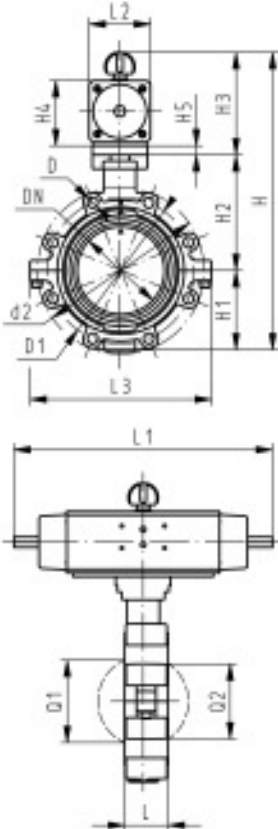
Lugstyle butterfly valve type 241 PVC-C FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available 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	199 241 162	199 241 182
75	65	2 1/2	10	2200	199 241 163	199 241 183
90	80	3	10	3000	199 241 164	199 241 184
110	100	4	10	6500	199 241 165	199 241 185
*140	125	5	10	11500	199 241 166	199 241 186
160	150	6	10	16600	199 241 167	199 241 187
225	200	8	10	39600	199 241 168	199 241 188

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
*63	PA-30 FC	M16	125	150	328	77	134	117	70	15	45	276	65
75	PA-30 FC	M16	145	170	340	83	140	117	70	15	46	276	65
90	PA-35 FC	M16	160	184	361	89	146	126	78	15	49	326	72
110	PA-40 FC	M16	180	216	400	104	167	129	86		56	370	80
*140	PA-45 FC	M16	210	246	437	117	181	139	96		64	411	90
160	PA-50 FC	M20	240	273	468	130	189	149	106		72	423	100
225	PA-55 FC	M20	295	334	529	158	210	161	118		73	452	112

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*63	150	40	
75	160	54	35
90	205	67	50
110	244	88	74
*140	272	113	97
160	297	139	123
225	360	178	169



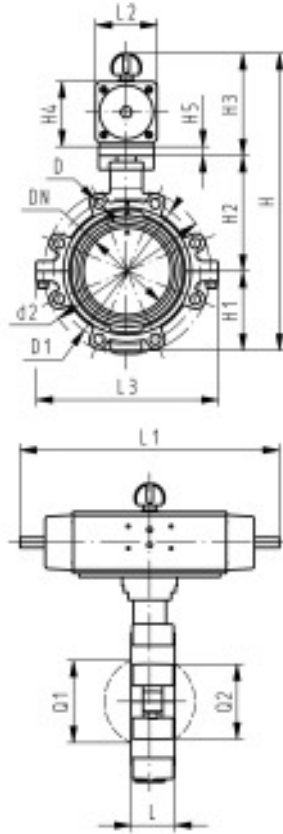
Lugstyle butterfly valve type 241 PVC-C FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available 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	199 241 202	199 241 222
75	65	2 1/2	10	2200	199 241 203	199 241 223
90	80	3	10	3000	199 241 204	199 241 224
110	100	4	10	6500	199 241 205	199 241 225
*140	125	5	10	11500	199 241 206	199 241 226
160	150	6	10	16600	199 241 207	199 241 227
225	200	8	10	39600	199 241 208	199 241 228

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
*63	PA-30 FO	M16	125	150	328	77	134	117	70	15	45	276	65
75	PA-30 FO	M16	145	170	340	83	140	117	70	15	46	276	65
90	PA-35 FO	M16	160	184	361	89	146	126	78	15	49	326	72
110	PA-40 FO	M16	180	216	400	104	167	129	86		56	370	80
*140	PA-45 FO	M16	210	246	437	117	181	139	96		64	411	90
160	PA-50 FO	M20	240	273	468	130	189	149	106		72	423	100
225	PA-55 FO	M20	295	334	529	158	210	161	118		73	452	112

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*63	150	40	
75	160	54	35
90	205	67	50
110	244	88	74
*140	272	113	97
160	297	139	123
225	360	178	169



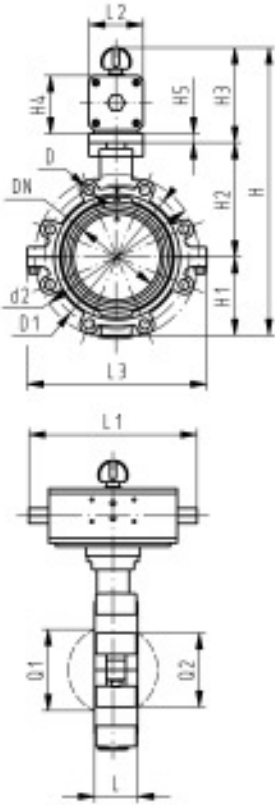
Lugstyle butterfly valve type 241 PVC-C DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available 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	199 241 242	199 241 262
75	65	2 ½	10	2200	199 241 243	199 241 263
90	80	3	10	3000	199 241 244	199 241 264
110	100	4	10	6500	199 241 245	199 241 265
*140	125	5	10	11500	199 241 246	199 241 266
160	150	6	10	16600	199 241 247	199 241 267
225	200	8	10	39600	199 241 248	199 241 268

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
*63	PA-35 DA	M16	125	150	318	77	134	107	60	15	45	177	55
75	PA-35 DA	M16	145	170	330	83	140	107	60	15	46	177	55
90	PA-40 DA	M16	160	184	348	89	146	113	66	15	49	190	60
110	PA-45 DA	M16	180	216	373	104	167	102	71		56	198	65
*140	PA-45 DA	M16	210	246	409	117	181	111	78		64	235	72
160	PA-55 DA	M20	240	273	448	130	189	129	86		72	250	80
225	PA-55 DA	M20	295	334	507	158	210	139	96		73	279	90

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*63	150	40	
75	160	54	35
90	205	67	50
110	244	88	74
*140	272	113	97
160	297	139	123
225	360	178	169

Butterfly valves ABS metric

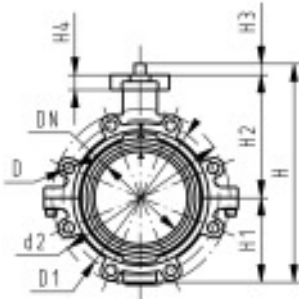
Lugstyle butterfly valve type 568 ABS Bare shaft



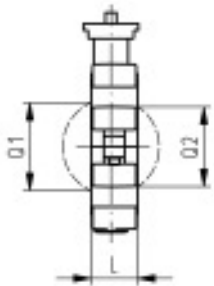
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211

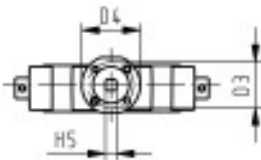
* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	169 568 802
*75	65	2 ½	10	2200	169 568 803
90	80	3	10	3000	169 568 804
110	100	4	10	6500	169 568 805
*140	125	5	10	11500	169 568 806
160	150	6	10	16600	169 568 807
225	200	8	10	39600	169 568 808



d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
*63	150	M16	125	70	90	222	77	134	27	23	45	40	
*75	170	M16	145	70	90	235	83	140	27	23	46	54	35
90	184	M16	160	70	90	247	89	146	27	23	49	67	50
110	216	M16	180	70	90	287	104	167	16	23	56	88	74
*140	246	M16	210	70	90	313	117	181	16	23	64	113	97
160	273	M20	240	70	90	335	130	189	19	23	72	139	123
225	334	M20	295	70	90	387	158	210	19	23	73	178	169





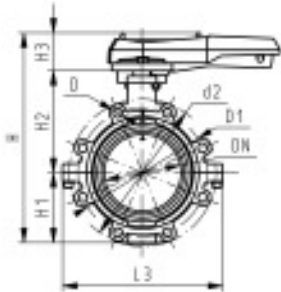
Lugstyle butterfly valve type 568 ABS Hand lever with ratchet settings



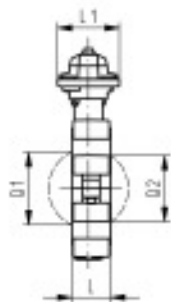
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

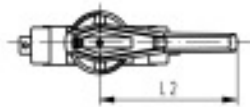
* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	169 568 002
*75	65	2 ½	10	2200	169 568 003
90	80	3	10	3000	169 568 004
110	100	4	10	6500	169 568 005
*140	125	5	10	11500	169 568 006
160	150	6	10	16600	169 568 007
225	200	8	10	39600	169 568 008



d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*63	150	M16	125	265	77	134	54	45	106	205	150	40	
*75	170	M16	145	277	83	140	54	46	106	205	160	54	35
90	184	M16	160	289	89	146	54	49	106	205	205	67	50
110	216	M16	180	326	104	167	55	56	106	255	244	88	74
*140	246	M16	210	353	117	181	55	64	106	255	272	113	97
160	273	M20	240	374	130	189	55	72	106	255	297	139	123
225	334	M20	295	435	158	210	67	73	140	408	360	178	169





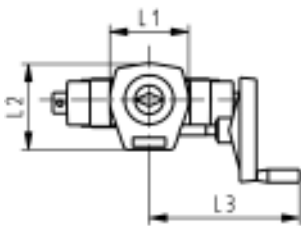
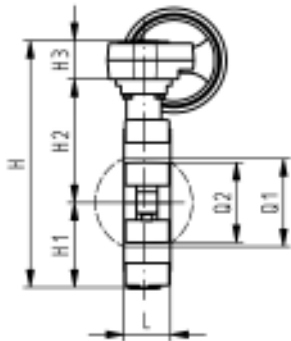
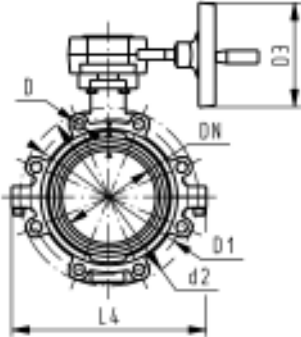
Lugstyle butterfly valve type 568 ABS Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

* Available on request



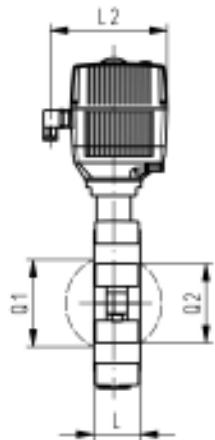
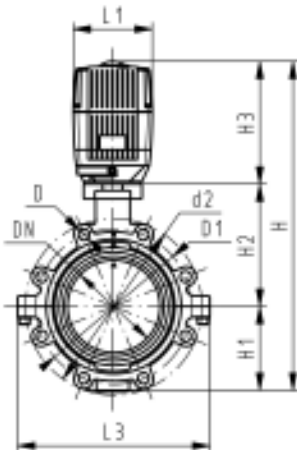
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	169 568 022
*75	65	2 ½	10	2200	169 568 023
90	80	3	10	3000	169 568 024
110	100	4	10	6500	169 568 025
*140	125	5	10	11500	169 568 026
160	150	6	10	16600	169 568 027
225	200	8	10	39600	169 568 028

d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]
*63	150	M16	125	160	279	77	134	68	45	120	132	236	150	40
*75	170	M16	145	160	291	83	140	68	46	120	132	236	160	54
90	184	M16	160	160	303	89	146	68	49	120	132	236	205	67
110	216	M16	180	160	339	104	167	68	56	120	132	236	244	88
*140	246	M16	210	160	366	117	181	68	64	120	132	236	272	113
160	273	M20	240	160	387	130	189	68	72	120	132	236	297	139
225	334	M20	295	160	436	158	210	68	73	120	132	236	360	178

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

Butterfly valves electric ABS metric

Lugstyle butterfly valve type 141 ABS 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available on request

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	199 141 502
*75	65	2 ½	10	2200	199 141 503
90	80	3	10	3000	199 141 504
110	100	4	10	6500	199 141 505
*140	125	5	10	11500	199 141 506
160	150	6	10	16600	199 141 507
225	200	8	10	39600	199 141 508

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
*63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40
*75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88
*140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178

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



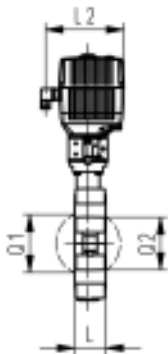
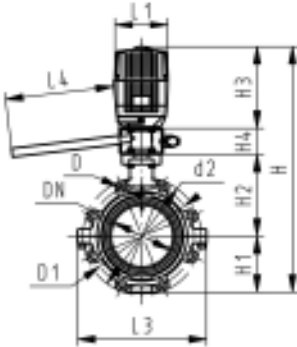
Lugstyle butterfly valve type 141 ABS 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	199 141 482
*75	65	2 ½	10	2200	199 141 483
90	80	3	10	3000	199 141 484
110	100	4	10	6500	199 141 485
*140	125	5	10	11500	199 141 486
160	150	6	10	16600	199 141 487
225	200	8	10	39600	199 141 488

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150
*75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244
*140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360

d [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*63	200	40	
*75	200	54	35
90	200	67	50
110	250	88	74
*140	250	113	97
160	250	139	123
225	250	178	169



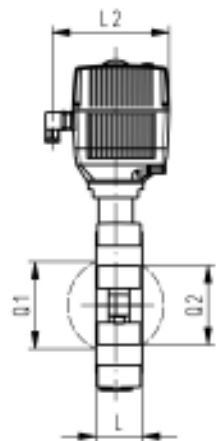
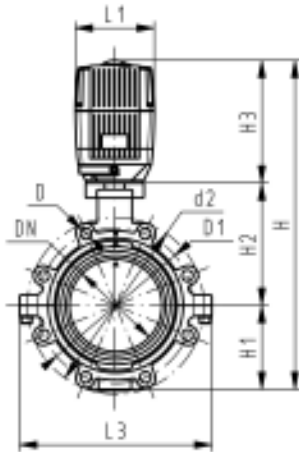
Lugstyle butterfly valve type 141 ABS 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	199 141 542
*75	65	2 ½	10	2200	199 141 543
90	80	3	10	3000	199 141 544
110	100	4	10	6500	199 141 545
*140	125	5	10	11500	199 141 546
160	150	6	10	16600	199 141 547
225	200	8	10	39600	199 141 548

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
*63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40
*75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88
*140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178

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



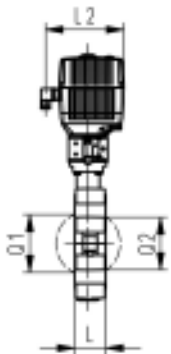
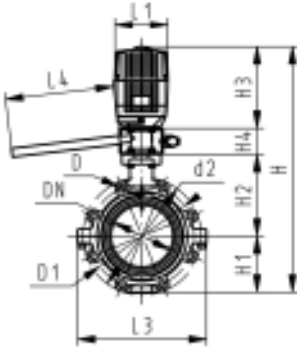
Lugstyle butterfly valve type 141 ABS 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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

* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	199 141 522
*75	65	2 ½	10	2200	199 141 523
90	80	3	10	3000	199 141 524
110	100	4	10	6500	199 141 525
*140	125	5	10	11500	199 141 526
160	150	6	10	16600	199 141 527
225	200	8	10	39600	199 141 528

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150
*75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244
*140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360

d [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*63	200	40	
*75	200	54	35
90	200	67	50
110	250	88	74
*140	250	113	97
160	250	139	123
225	250	178	169

Butterfly valves pneumatic ABS metric

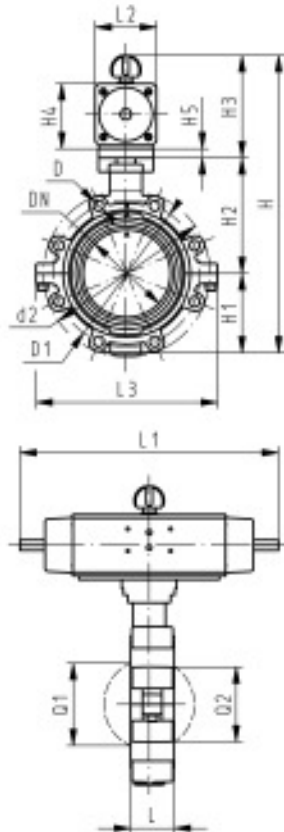
Lugstyle butterfly valve type 241 ABS FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	199 241 402
*75	65	2 ½	10	2200	199 241 403
90	80	3	10	3000	199 241 404
110	100	4	10	6500	199 241 405
*140	125	5	10	11500	199 241 406
160	150	6	10	16600	199 241 407
225	200	8	10	39600	199 241 408

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
*63	PA-30 FC	M16	125	150	328	77	134	117	70	15	45	276	65
*75	PA-30 FC	M16	145	170	340	83	140	117	70	15	46	276	65
90	PA-35 FC	M16	160	184	361	89	146	126	78	15	49	326	72
110	PA-40 FC	M16	180	216	400	104	167	129	86	15	56	370	80
*140	PA-45 FC	M16	210	246	437	117	181	139	96	15	64	411	90
160	PA-50 FC	M20	240	273	468	130	189	149	106	15	72	423	100
225	PA-55 FC	M20	295	334	529	158	210	161	118	15	73	452	112

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*63	150	40	
*75	160	54	35
90	205	67	50
110	244	88	74
*140	272	113	97
160	297	139	123
225	360	178	169



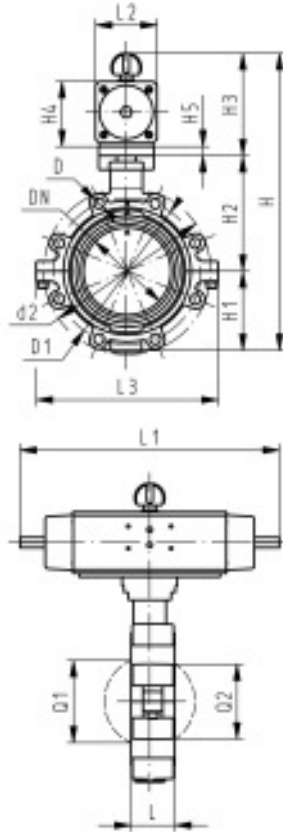
Lugstyle butterfly valve type 241 ABS FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	199 241 422
*75	65	2 ½	10	2200	199 241 423
90	80	3	10	3000	199 241 424
110	100	4	10	6500	199 241 425
*140	125	5	10	11500	199 241 426
160	150	6	10	16600	199 241 427
225	200	8	10	39600	199 241 428

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
*63	PA-30 FO	M16	125	150	328	77	134	117	70	15	45	276	65
*75	PA-30 FO	M16	145	170	340	83	140	117	70	15	46	276	65
90	PA-35 FO	M16	160	184	361	89	146	126	78	15	49	326	72
110	PA-40 FO	M16	180	216	400	104	167	129	86		56	370	80
*140	PA-45 FO	M16	210	246	437	117	181	139	96		64	411	90
160	PA-50 FO	M20	240	273	468	130	189	149	106		72	423	100
225	PA-55 FO	M20	295	334	529	158	210	161	118		73	452	112

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*63	150	40	
*75	160	54	35
90	205	67	50
110	244	88	74
*140	272	113	97
160	297	139	123
225	360	178	169



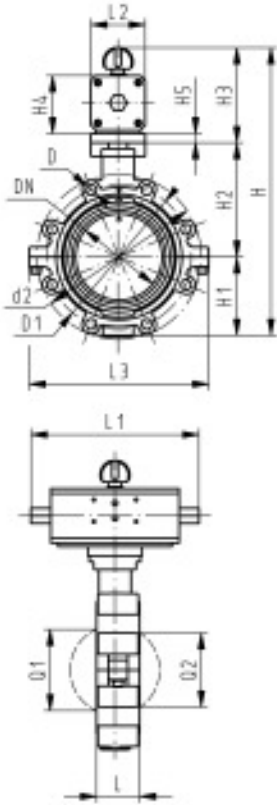
Lugstyle butterfly valve type 241 ABS DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*63	50	2	10	1470	199 241 442
*75	65	2 ½	10	2200	199 241 443
90	80	3	10	3000	199 241 444
110	100	4	10	6500	199 241 445
*140	125	5	10	11500	199 241 446
160	150	6	10	16600	199 241 447
225	200	8	10	39600	199 241 448

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
*63	PA-35 DA	M16	125	150	318	77	134	107	60	15	45	177	55
*75	PA-35 DA	M16	145	170	330	83	140	107	60	15	46	177	55
90	PA-40 DA	M16	160	184	348	89	146	113	66	15	49	190	60
110	PA-45 DA	M16	180	216	373	104	167	102	71		56	198	65
*140	PA-45 DA	M16	210	246	409	117	181	111	78		64	235	72
160	PA-55 DA	M20	240	273	448	130	189	129	86		72	250	80
225	PA-55 DA	M20	295	334	507	158	210	139	96		73	279	90

d [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*63	150	40	
*75	160	54	35
90	205	67	50
110	244	88	74
*140	272	113	97
160	297	139	123
225	360	178	169

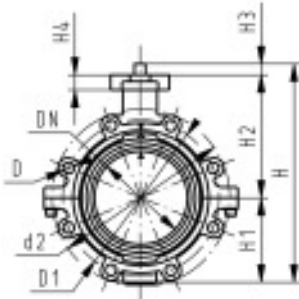
Butterfly valves PP-H metric

Lugstyle butterfly valve type 568 PP-H Bare shaft

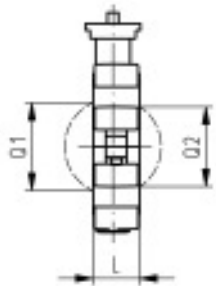


Model:

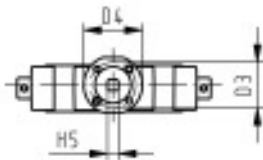
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	167 568 802	167 568 822
75	65	2 ½	10	2200	167 568 803	167 568 823
90	80	3	10	3000	167 568 804	167 568 824
110	100	4	10	6500	167 568 805	167 568 825
140	125	5	10	11500	167 568 806	167 568 826
160	150	6	10	16600	167 568 807	167 568 827
225	200	8	10	39600	167 568 808	167 568 828



d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	70	90	222	77	134	27	23	45	40	
75	170	M16	145	70	90	235	83	140	27	23	46	54	35
90	184	M16	160	70	90	247	89	146	27	23	49	67	50
110	216	M16	180	70	90	287	104	167	16	23	56	88	74
140	246	M16	210	70	90	313	117	181	16	23	64	113	97
160	273	M20	240	70	90	335	130	189	19	23	72	139	123
225	334	M20	295	70	90	387	158	210	19	23	73	178	169



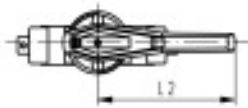
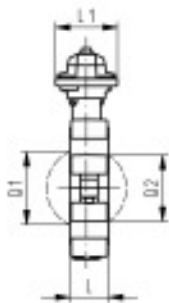
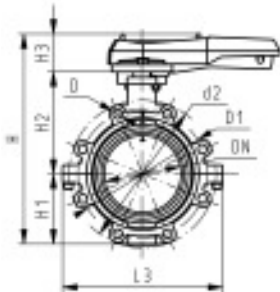


Lugstyle butterfly valve type 568 PP-H Hand lever with ratchet settings



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	167 568 002	167 568 022
75	65	2 ½	10	2200	167 568 003	167 568 023
90	80	3	10	3000	167 568 004	167 568 024
110	100	4	10	6500	167 568 005	167 568 025
140	125	5	10	11500	167 568 006	167 568 026
160	150	6	10	16600	167 568 007	167 568 027
225	200	8	10	39600	167 568 008	167 568 028

d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	265	77	134	54	45	106	205	150	40	
75	170	M16	145	277	83	140	54	46	106	205	160	54	35
90	184	M16	160	289	89	146	54	49	106	205	205	67	50
110	216	M16	180	326	104	167	55	56	106	255	244	88	74
140	246	M16	210	353	117	181	55	64	106	255	272	113	97
160	273	M20	240	374	130	189	55	72	106	255	297	139	123
225	334	M20	295	435	158	210	67	73	140	408	360	178	169

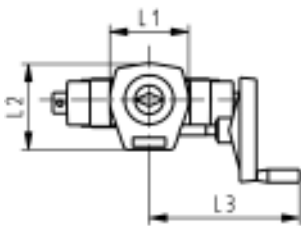
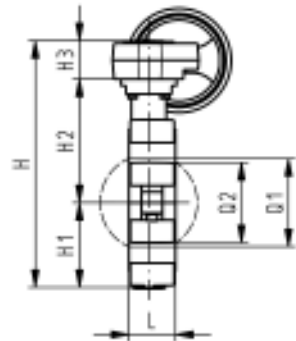
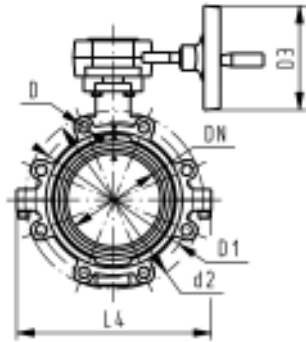


Lugstyle butterfly valve type 568 PP-H Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

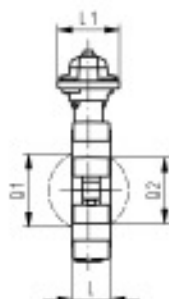
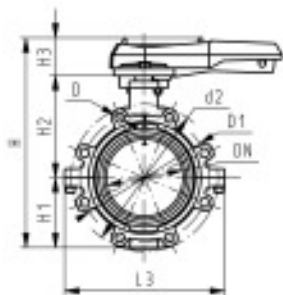


d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	167 568 042	167 568 062
75	65	2 ½	10	2200	167 568 043	167 568 063
90	80	3	10	3000	167 568 044	167 568 064
110	100	4	10	6500	167 568 045	167 568 065
140	125	5	10	11500	167 568 046	167 568 066
160	150	6	10	16600	167 568 047	167 568 067
225	200	8	10	39600	167 568 048	167 568 068

d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	160	279	77	134	68	45	120	132	236	150	40	
75	170	M16	145	160	291	83	140	68	46	120	132	236	160	54	35
90	184	M16	160	160	303	89	146	68	49	120	132	236	205	67	50
110	216	M16	180	160	339	104	167	68	56	120	132	236	244	88	74
140	246	M16	210	160	366	117	181	68	64	120	132	236	272	113	97
160	273	M20	240	160	387	130	189	68	72	120	132	236	297	139	123
225	334	M20	295	160	436	158	210	68	73	120	132	236	360	178	169

Butterfly valves PROGEF® SF metric

PROGEF® PLUS silicone free Lugstyle butterfly valve type 568 PP-H SF Hand lever with ratchet settings



Model:

- Silicon-free / paint-compatible
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

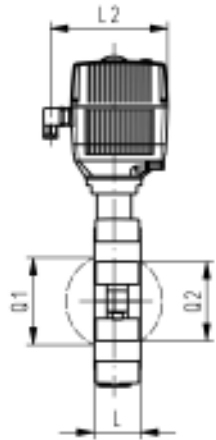
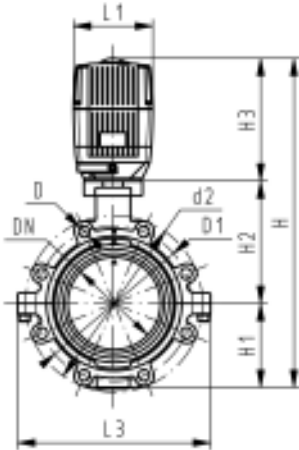
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	167 568 402	167 568 422
75	65	2 ½	10	2200	167 568 403	167 568 423
90	80	3	10	3000	167 568 404	167 568 424
110	100	4	10	6500	167 568 405	167 568 425
140	125	5	10	11500	167 568 406	167 568 426
160	150	6	10	16600	167 568 407	167 568 427
225	200	8	10	39600	167 568 408	167 568 428

d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	265	77	134	54	45	106	205	150	40	
75	170	M16	145	277	83	140	54	46	106	205	160	54	35
90	184	M16	160	289	89	146	54	49	106	205	205	67	50
110	216	M16	180	326	104	167	55	56	106	255	244	88	74
140	246	M16	210	353	117	181	55	64	106	255	272	113	97
160	273	M20	240	374	130	189	55	72	106	255	297	139	123
225	334	M20	295	435	158	210	67	73	140	408	360	178	169

Butterfly valves electric PP-H metric

Lugstyle butterfly valve type 141 PP-H 100-230V

Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 362	199 141 382
75	65	2 ½	10	2200	199 141 363	199 141 383
90	80	3	10	3000	199 141 364	199 141 384
110	100	4	10	6500	199 141 365	199 141 385
140	125	5	10	11500	199 141 366	199 141 386
160	150	6	10	16600	199 141 367	199 141 387
225	200	8	10	39600	199 141 368	199 141 388

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40	
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54	35
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67	50
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88	74
140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113	97
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139	123
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178	169

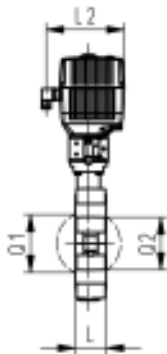
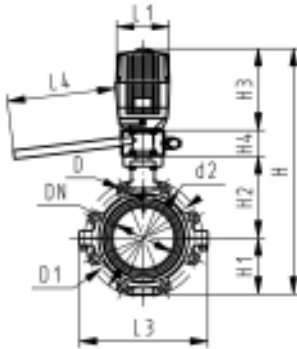


Lugstyle butterfly valve type 141 PP-H 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 322	199 141 342
75	65	2 ½	10	2200	199 141 323	199 141 343
90	80	3	10	3000	199 141 324	199 141 344
110	100	4	10	6500	199 141 325	199 141 345
140	125	5	10	11500	199 141 326	199 141 346
160	150	6	10	16600	199 141 327	199 141 347
225	200	8	10	39600	199 141 328	199 141 348

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150	200
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160	200
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205	200
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244	250
140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272	250
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297	250
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360	250

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

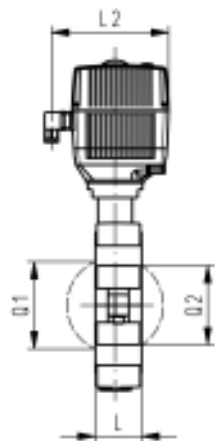
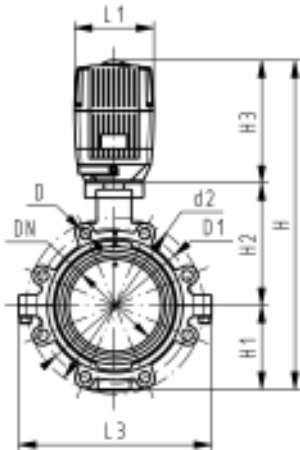


Lugstyle butterfly valve type 141 PP-H 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 442	199 141 462
75	65	2 ½	10	2200	199 141 443	199 141 463
90	80	3	10	3000	199 141 444	199 141 464
110	100	4	10	6500	199 141 445	199 141 465
140	125	5	10	11500	199 141 446	199 141 466
160	150	6	10	16600	199 141 447	199 141 467
225	200	8	10	39600	199 141 448	199 141 468

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40	
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54	35
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67	50
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88	74
140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113	97
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139	123
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178	169

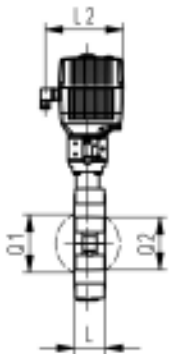
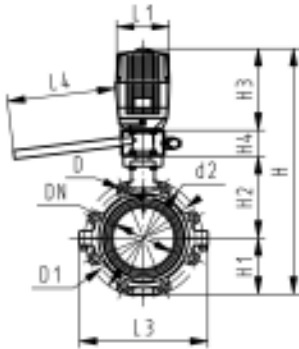


Lugstyle butterfly valve type 141 PP-H 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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



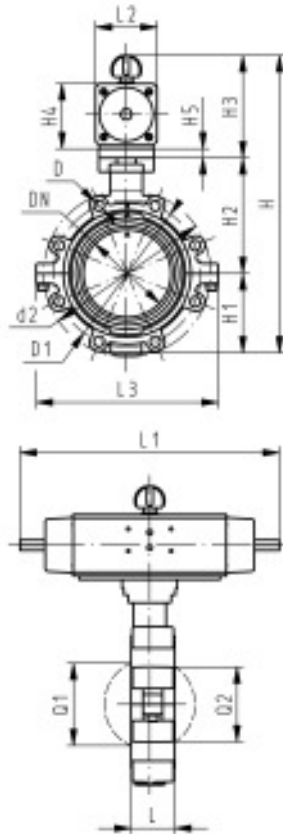
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
63	50	2	10	1470	199 141 402	199 141 422
75	65	2 ½	10	2200	199 141 403	199 141 423
90	80	3	10	3000	199 141 404	199 141 424
110	100	4	10	6500	199 141 405	199 141 425
140	125	5	10	11500	199 141 406	199 141 426
160	150	6	10	16600	199 141 407	199 141 427
225	200	8	10	39600	199 141 408	199 141 428

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150	200
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160	200
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205	200
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244	250
140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272	250
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297	250
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360	250

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

Butterfly valves pneumatic PP-H metric

Lugstyle butterfly valve type 241 PP-H FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 241 282	199 241 302
75	65	2 ½	10	2200	199 241 283	199 241 303
90	80	3	10	3000	199 241 284	199 241 304
110	100	4	10	6500	199 241 285	199 241 305
140	125	5	10	11500	199 241 286	199 241 306
160	150	6	10	16600	199 241 287	199 241 307
225	200	8	10	39600	199 241 288	199 241 308

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-30 FC	M16	125	150	328	77	134	117	70	15	45	276	65	150
75	PA-30 FC	M16	145	170	340	83	140	117	70	15	46	276	65	160
90	PA-35 FC	M16	160	184	361	89	146	126	78	15	49	326	72	205
110	PA-40 FC	M16	180	216	400	104	167	129	86		56	370	80	244
140	PA-45 FC	M16	210	246	437	117	181	139	96		64	411	90	272
160	PA-50 FC	M20	240	273	468	130	189	149	106		72	423	100	297
225	PA-55 FC	M20	295	334	529	158	210	161	118		73	452	112	360

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

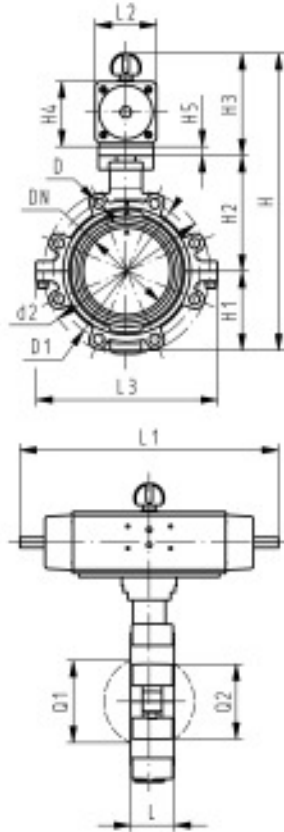


Lugstyle butterfly valve type 241 PP-H FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 241 322	199 241 342
75	65	2 ½	10	2200	199 241 323	199 241 343
90	80	3	10	3000	199 241 324	199 241 344
110	100	4	10	6500	199 241 325	199 241 345
140	125	5	10	11500	199 241 326	199 241 346
160	150	6	10	16600	199 241 327	199 241 347
225	200	8	10	39600	199 241 328	199 241 348

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-30 FO	M16	125	150	328	77	134	117	70	15	45	276	65	150
75	PA-30 FO	M16	145	170	340	83	140	117	70	15	46	276	65	160
90	PA-35 FO	M16	160	184	361	89	146	126	78	15	49	326	72	205
110	PA-40 FO	M16	180	216	400	104	167	129	86		56	370	80	244
140	PA-45 FO	M16	210	246	437	117	181	139	96		64	411	90	272
160	PA-50 FO	M20	240	273	468	130	189	149	106		72	423	100	297
225	PA-55 FO	M20	295	334	529	158	210	161	118		73	452	112	360

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

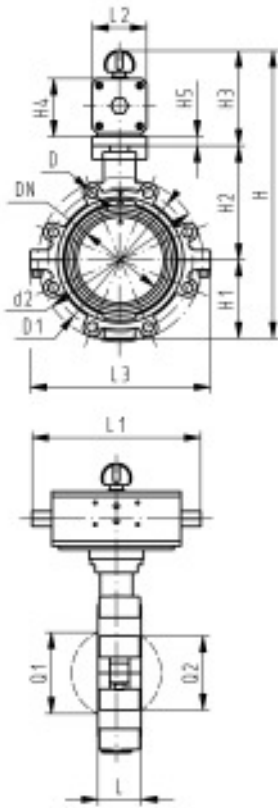


Lugstyle butterfly valve type 241 PP-H DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 241 362	199 241 382
75	65	2 ½	10	2200	199 241 363	199 241 383
90	80	3	10	3000	199 241 364	199 241 384
110	100	4	10	6500	199 241 365	199 241 385
140	125	5	10	11500	199 241 366	199 241 386
160	150	6	10	16600	199 241 367	199 241 387
225	200	8	10	39600	199 241 368	199 241 388

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-35 DA	M16	125	150	318	77	134	107	60	15	45	177	55	150
75	PA-35 DA	M16	145	170	330	83	140	107	60	15	46	177	55	160
90	PA-40 DA	M16	160	184	348	89	146	113	66	15	49	190	60	205
110	PA-45 DA	M16	180	216	373	104	167	102	71		56	198	65	244
140	PA-45 DA	M16	210	246	409	117	181	111	78		64	235	72	272
160	PA-55 DA	M20	240	273	448	130	189	129	86		72	250	80	297
225	PA-55 DA	M20	295	334	507	158	210	139	96		73	279	90	360

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

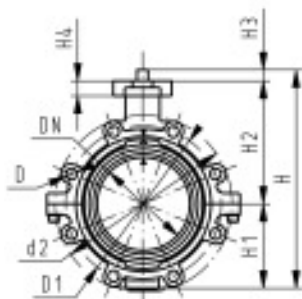
Butterfly valves SYGEF® metric

SYGEF® standard Lugstyle butterfly valve type 568 PVDF Bare shaft

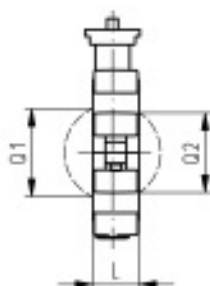


Model:

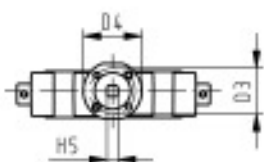
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
63	50	2	10	1470	175 568 822
75	65	2 ½	10	2200	175 568 823
90	80	3	10	3000	175 568 824
110	100	4	10	6500	175 568 825
140	125	5	10	11500	175 568 826
160	150	6	10	16600	175 568 827
225	200	8	10	39600	175 568 828



d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	70	90	222	77	134	27	23	45	40	
75	170	M16	145	70	90	235	83	140	27	23	46	54	35
90	184	M16	160	70	90	247	89	146	27	23	49	67	50
110	216	M16	180	70	90	287	104	167	16	23	56	88	74
140	246	M16	210	70	90	313	117	181	16	23	64	113	97
160	273	M20	240	70	90	335	130	189	19	23	72	139	123
225	334	M20	295	70	90	387	158	210	19	23	73	178	169



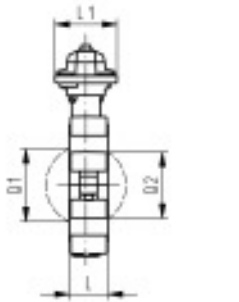
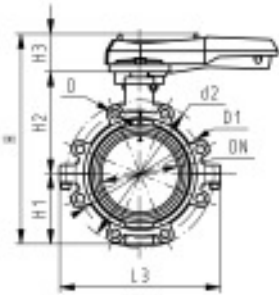


SYGEF® standard Lugstyle butterfly valve type 568 PVDF Hand lever with ratchet settings



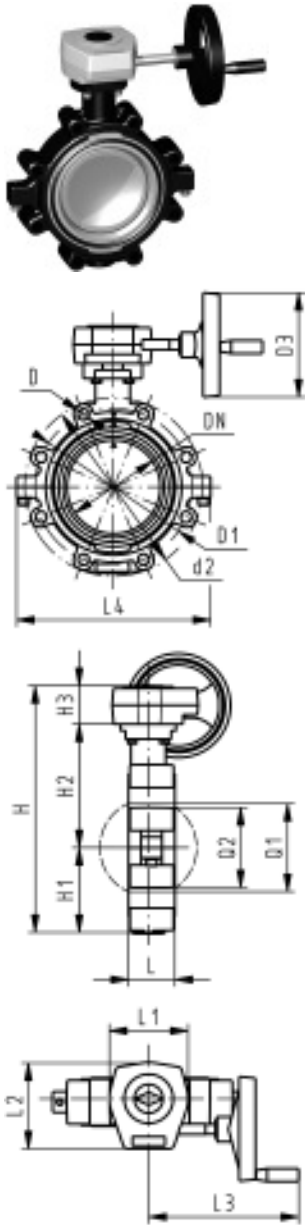
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
63	50	2	10	1470	175 568 002
75	65	2 ½	10	2200	175 568 003
90	80	3	10	3000	175 568 004
110	100	4	10	6500	175 568 005
140	125	5	10	11500	175 568 006
160	150	6	10	16600	175 568 007
225	200	8	10	39600	175 568 008

d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	265	77	134	54	45	106	205	150	40	
75	170	M16	145	277	83	140	54	46	106	205	160	54	35
90	184	M16	160	289	89	146	54	49	106	205	205	67	50
110	216	M16	180	326	104	167	55	56	106	255	244	88	74
140	246	M16	210	353	117	181	55	64	106	255	272	113	97
160	273	M20	240	374	130	189	55	72	106	255	297	139	123
225	334	M20	295	435	158	210	67	73	140	408	360	178	169



SYGEF® standard Lugstyle butterfly valve type 568 PVDF Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752

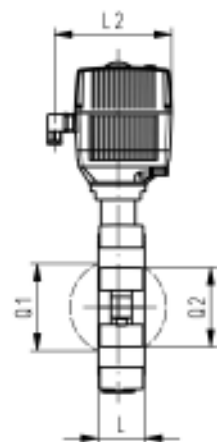
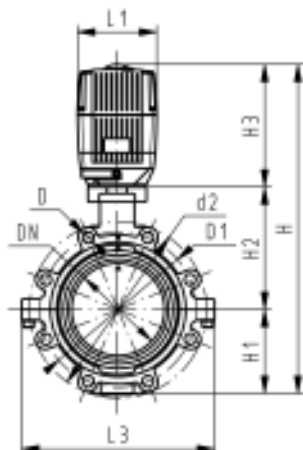
d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code										
63	50	2	10	1470	175 568 022										
75	65	2 ½	10	2200	175 568 023										
90	80	3	10	3000	175 568 024										
110	100	4	10	6500	175 568 025										
140	125	5	10	11500	175 568 026										
160	150	6	10	16600	175 568 027										
225	200	8	10	39600	175 568 028										

d [mm]	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
63	150	M16	125	160	279	77	134	68	45	120	132	236	150	40	
75	170	M16	145	160	291	83	140	68	46	120	132	236	160	54	35
90	184	M16	160	160	303	89	146	68	49	120	132	236	205	67	50
110	216	M16	180	160	339	104	167	68	56	120	132	236	244	88	74
140	246	M16	210	160	366	117	181	68	64	120	132	236	272	113	97
160	273	M20	240	160	387	130	189	68	72	120	132	236	297	139	123
225	334	M20	295	160	436	158	210	68	73	120	132	236	360	178	169

Butterfly valves electric SYGEF[®] metric

SYGEF[®] standard

Lugstyle butterfly valve type 141 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 582
75	65	2 ½	10	2200	199 141 583
90	80	3	10	3000	199 141 584
110	100	4	10	6500	199 141 585
140	125	5	10	11500	199 141 586
160	150	6	10	16600	199 141 587
225	200	8	10	39600	199 141 588

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40	
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54	35
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67	50
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88	74
140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113	97
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139	123
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178	169

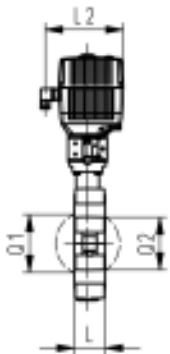
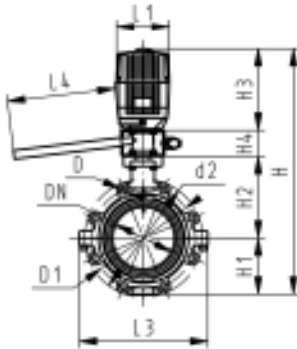


SYGEF® standard Lugstyle butterfly valve type 141 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 562
75	65	2 ½	10	2200	199 141 563
90	80	3	10	3000	199 141 564
110	100	4	10	6500	199 141 565
140	125	5	10	11500	199 141 566
160	150	6	10	16600	199 141 567
225	200	8	10	39600	199 141 568

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150	200
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160	200
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205	200
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244	250
140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272	250
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297	250
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360	250

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

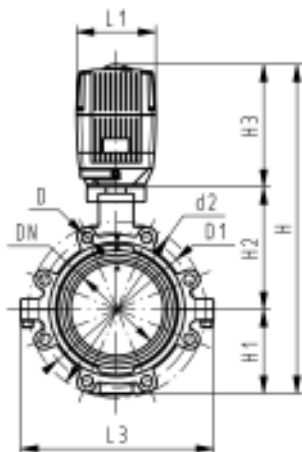


SYGEF® standard Lugstyle butterfly valve type 141 24V Without manual override

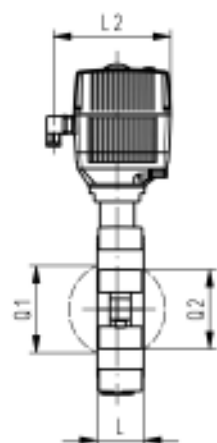


Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 622
75	65	2 ½	10	2200	199 141 623
90	80	3	10	3000	199 141 624
110	100	4	10	6500	199 141 625
140	125	5	10	11500	199 141 626
160	150	6	10	16600	199 141 627
225	200	8	10	39600	199 141 628



d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	EA-31	M16	125	150	399	77	134	188	45	122	180	150	40	
75	EA-31	M16	145	170	411	83	140	188	46	122	180	160	54	35
90	EA-31	M16	160	184	423	89	146	188	49	122	180	205	67	50
110	EA-31	M16	180	216	459	104	167	188	56	122	180	244	88	74
140	EA-31	M16	210	246	486	117	181	188	64	122	180	272	113	97
160	EA-31	M20	240	273	507	130	189	188	72	122	180	297	139	123
225	EA-42	M20	295	334	576	158	210	208	73	122	180	360	178	169

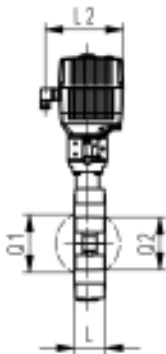
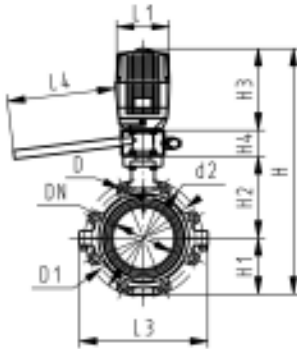


SYGEF® standard Lugstyle butterfly valve type 141 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, 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	199 141 602
75	65	2 ½	10	2200	199 141 603
90	80	3	10	3000	199 141 604
110	100	4	10	6500	199 141 605
140	125	5	10	11500	199 141 606
160	150	6	10	16600	199 141 607
225	200	8	10	39600	199 141 608

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
63	EA-31	M16	125	150	459	77	134	188	60	45	122	180	150	200
75	EA-31	M16	145	170	471	83	140	188	60	46	122	180	160	200
90	EA-31	M16	160	184	483	89	146	188	60	49	122	180	205	200
110	EA-31	M16	180	216	519	104	167	188	60	56	122	180	244	250
140	EA-31	M16	210	246	546	117	181	188	60	64	122	180	272	250
160	EA-31	M20	240	273	567	130	189	188	60	72	122	180	297	250
225	EA-42	M20	295	334	636	158	210	208	60	73	122	180	360	250

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

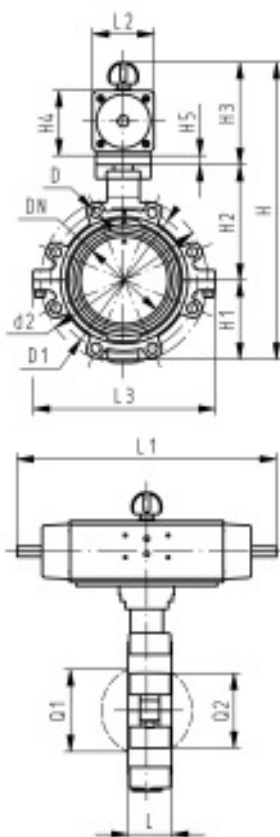
Butterfly valves pneumatic SYGEF® metric

SYGEF® standard Lugstyle butterfly valve type 241 FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
63	50	2	10	1470	199 241 462
75	65	2 ½	10	2200	199 241 463
90	80	3	10	3000	199 241 464
110	100	4	10	6500	199 241 465
140	125	5	10	11500	199 241 466
160	150	6	10	16600	199 241 467
225	200	8	10	39600	199 241 468

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-30 FC	M16	125	150	328	77	134	117	70	15	45	276	65	150
75	PA-30 FC	M16	145	170	340	83	140	117	70	15	46	276	65	160
90	PA-35 FC	M16	160	184	361	89	146	126	78	15	49	326	72	205
110	PA-40 FC	M16	180	216	400	104	167	129	86		56	370	80	244
140	PA-45 FC	M16	210	246	437	117	181	139	96		64	411	90	272
160	PA-50 FC	M20	240	273	468	130	189	149	106		72	423	100	297
225	PA-55 FC	M20	295	334	529	158	210	161	118		73	452	112	360

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

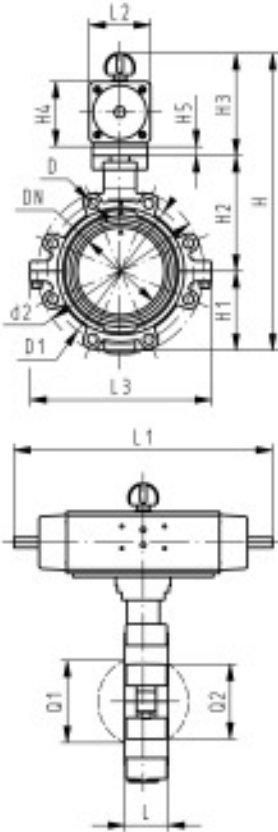


SYGEF® standard
Lugstyle butterfly valve type 241
FO (Fail safe to open)
Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<)



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
63	50	2	10	1470	199 241 482
75	65	2 ½	10	2200	199 241 483
90	80	3	10	3000	199 241 484
110	100	4	10	6500	199 241 485
140	125	5	10	11500	199 241 486
160	150	6	10	16600	199 241 487
225	200	8	10	39600	199 241 488

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-30 FO	M16	125	150	328	77	134	117	70	15	45	276	65	150
75	PA-30 FO	M16	145	170	340	83	140	117	70	15	46	276	65	160
90	PA-35 FO	M16	160	184	361	89	146	126	78	15	49	326	72	205
110	PA-40 FO	M16	180	216	400	104	167	129	86		56	370	80	244
140	PA-45 FO	M16	210	246	437	117	181	139	96		64	411	90	272
160	PA-50 FO	M20	240	273	468	130	189	149	106		72	423	100	297
225	PA-55 FO	M20	295	334	529	158	210	161	118		73	452	112	360

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

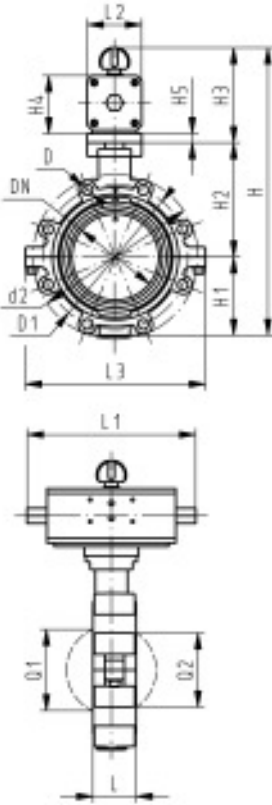


SYGEF® standard Lugstyle butterfly valve type 241 DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
63	50	2	10	1470	199 241 502
75	65	2 ½	10	2200	199 241 503
90	80	3	10	3000	199 241 504
110	100	4	10	6500	199 241 505
140	125	5	10	11500	199 241 506
160	150	6	10	16600	199 241 507
225	200	8	10	39600	199 241 508

d [mm]	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
63	PA-35 DA	M16	125	150	318	77	134	107	60	15	45	177	55	150
75	PA-35 DA	M16	145	170	330	83	140	107	60	15	46	177	55	160
90	PA-40 DA	M16	160	184	348	89	146	113	66	15	49	190	60	205
110	PA-45 DA	M16	180	216	373	104	167	102	71		56	198	65	244
140	PA-45 DA	M16	210	246	409	117	181	111	78		64	235	72	272
160	PA-55 DA	M20	240	273	448	130	189	129	86		72	250	80	297
225	PA-55 DA	M20	295	334	507	158	210	139	96		73	279	90	360

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

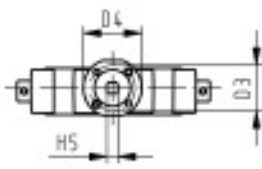
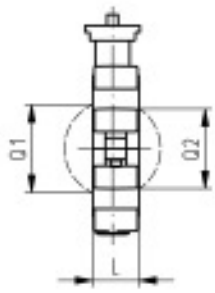
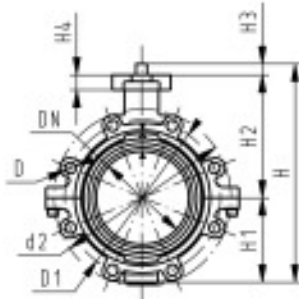
Butterfly valves PVC-U ANSI

Lugstyle butterfly valve type 568 PVC-U Bare shaft



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	161 568 902	161 568 922
2 ½	65	10	2200	161 568 903	161 568 923
3	80	10	3000	161 568 904	161 568 924
4	100	10	6500	161 568 905	161 568 925
5	125	10	11500	161 568 906	161 568 926
6	150	10	16600	161 568 907	161 568 927
8	200	10	39600	161 568 908	161 568 928

Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	70	90	222	77	134	27	23	45	40	
2 ½	170	UNC 5/8	138	70	90	235	83	140	27	23	46	54	35
3	177	UNC 5/8	152	70	90	247	89	146	27	23	49	67	50
4	216	UNC 5/8	191	70	90	287	104	167	16	23	56	88	74
5	246	UNC 3/4	216	70	90	313	117	181	16	23	64	113	97
6	273	UNC 3/4	241	70	90	335	130	189	19	23	72	139	123
8	334	UNC 3/4	298	70	90	387	158	210	19	23	73	178	169

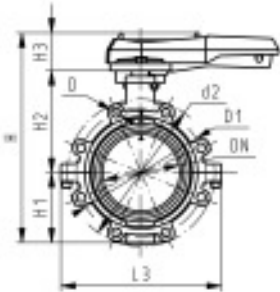


Lugstyle butterfly valve type 568 PVC-U Hand lever with ratchet settings

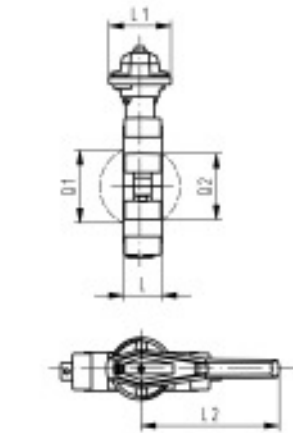


Model:

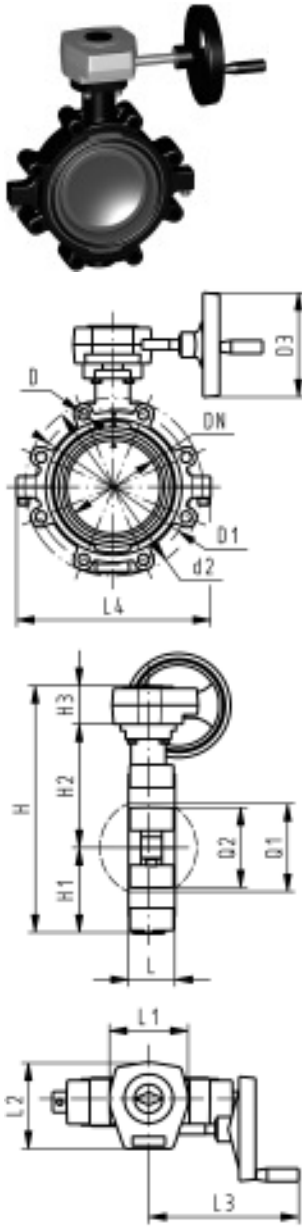
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	161 568 102	161 568 122
2 ½	65	10	2200	161 568 103	161 568 123
3	80	10	3000	161 568 104	161 568 124
4	100	10	6500	161 568 105	161 568 125
5	125	10	11500	161 568 106	161 568 126
6	150	10	16600	161 568 107	161 568 127
8	200	10	39600	161 568 108	161 568 128



Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40	
2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50
4	216	UNC 5/8	191	326	104	167	55	56	106	255	244	88	74
5	246	UNC 3/4	216	353	117	181	55	64	106	255	272	113	97
6	273	UNC 3/4	241	374	130	189	55	72	106	255	297	139	123
8	334	UNC 3/4	298	435	158	210	67	73	140	408	360	178	169



Lugstyle butterfly valve type 568 PVC-U Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code									
2	50	10	1470	161 568 142	161 568 162									
2 ½	65	10	2200	161 568 143	161 568 163									
3	80	10	3000	161 568 144	161 568 164									
4	100	10	6500	161 568 145	161 568 165									
5	125	10	11500	161 568 146	161 568 166									
6	150	10	16600	161 568 147	161 568 167									
8	200	10	39600	161 568 148	161 568 168									

Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]
2	150	UNC 5/8	121	160	279	77	134	68	45	120	132	236	150	40
2 ½	170	UNC 5/8	138	160	291	83	140	68	46	120	132	236	160	54
3	177	UNC 5/8	152	160	303	89	146	68	49	120	132	236	175	67
4	216	UNC 5/8	191	160	339	104	167	68	56	120	132	236	244	88
5	246	UNC 3/4	216	160	366	117	181	68	64	120	132	236	272	113
6	273	UNC 3/4	241	160	387	130	189	68	72	120	132	236	297	139
8	334	UNC 3/4	298	160	436	158	210	68	73	120	132	236	360	178

Inch	Q2 [mm]													
2														
2 ½	35													
3	50													
4	74													
5	97													
6	123													
8	169													

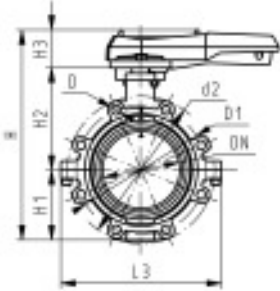
Butterfly valves PVC-U SF ANSI

Lugstyle butterfly valve type 568 PVC-U SF Hand lever with ratchet settings

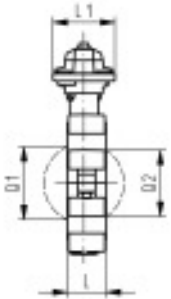


Model:

- Silicon-free / paint-compatible
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	161 568 502	161 568 522
2 ½	65	10	2200	161 568 503	161 568 523
3	80	10	3000	161 568 504	161 568 524
4	100	10	6500	161 568 505	161 568 525
5	125	10	11500	161 568 506	161 568 526
6	150	10	16600	161 568 507	161 568 527
8	200	10	39600	161 568 508	161 568 528

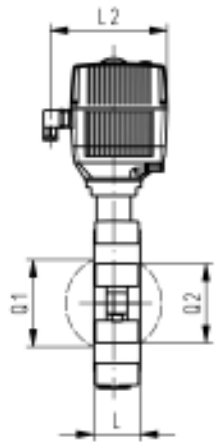
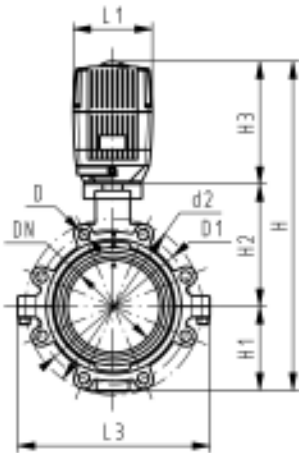


Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40	
2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50
4	216	UNC 5/8	191	326	104	167	55	56	106	255	244	88	74
5	246	UNC 3/4	216	353	117	181	55	64	106	255	272	113	97
6	273	UNC 3/4	241	374	130	189	55	72	106	255	297	139	123
8	334	UNC 3/4	298	435	158	210	67	73	140	408	360	178	169



Butterfly valves electric PVC-U ANSI

Lugstyle butterfly valve type 142 PVC-U 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	199 142 042	199 142 062
2 ½	65	10	2200	199 142 043	199 142 063
3	80	10	3000	199 142 044	199 142 064
4	100	10	6500	199 142 045	199 142 065
5	125	10	11500	199 142 046	199 142 066
6	150	10	16600	199 142 047	199 142 067
8	200	10	39600	199 142 048	199 142 068

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150	40
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160	54
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175	67
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244	88
5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272	113
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297	139
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360	178

Inch	Q2 [mm]
2	
2 ½	35
3	50
4	74
5	97
6	123
8	169

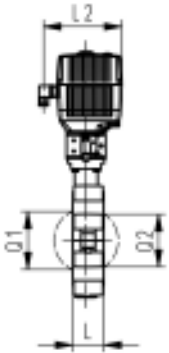
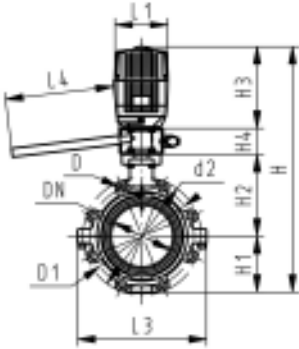


Lugstyle butterfly valve type 142 PVC-U 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	199 142 002	199 142 022
2 ½	65	10	2200	199 142 003	199 142 023
3	80	10	3000	199 142 004	199 142 024
4	100	10	6500	199 142 005	199 142 025
5	125	10	11500	199 142 006	199 142 026
6	150	10	16600	199 142 007	199 142 027
8	200	10	39600	199 142 008	199 142 028

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180	160
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180	175
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180	244
5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180	272
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180	297
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180	360

Inch	L4 [mm]	Q1 [mm]	Q2 [mm]
2	200	40	
2 ½	200	54	35
3	200	67	50
4	250	88	74
5	250	113	97
6	250	139	123
8	250	178	169

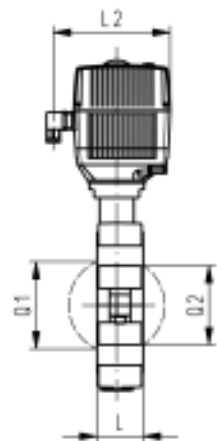
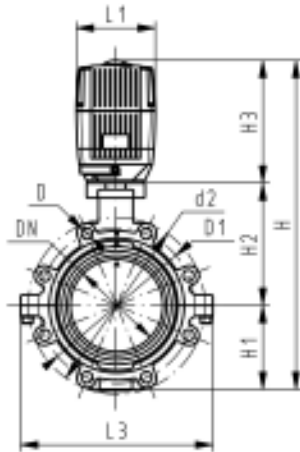


Lugstyle butterfly valve type 142 PVC-U 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	199 142 122	199 142 142
2 ½	65	10	2200	199 142 123	199 142 143
3	80	10	3000	199 142 124	199 142 144
4	100	10	6500	199 142 125	199 142 145
5	125	10	11500	199 142 126	199 142 146
6	150	10	16600	199 142 127	199 142 147
8	200	10	39600	199 142 128	199 142 148

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150	40
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160	54
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175	67
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244	88
5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272	113
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297	139
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360	178

Inch	Q2 [mm]
2	
2 ½	35
3	50
4	74
5	97
6	123
8	169

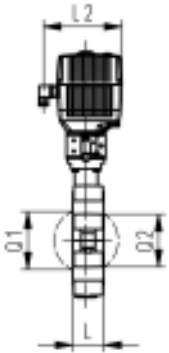
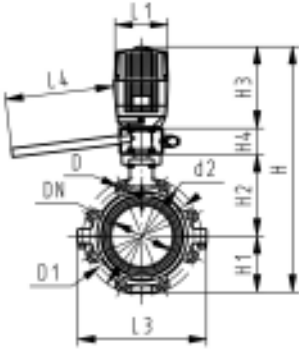


Lugstyle butterfly valve type 142 PVC-U 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	199 142 082	199 142 102
2 ½	65	10	2200	199 142 083	199 142 103
3	80	10	3000	199 142 084	199 142 104
4	100	10	6500	199 142 085	199 142 105
5	125	10	11500	199 142 086	199 142 106
6	150	10	16600	199 142 087	199 142 107
8	200	10	39600	199 142 088	199 142 108

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180	160
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180	175
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180	244
5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180	272
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180	297
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180	360

Inch	L4 [mm]	Q1 [mm]	Q2 [mm]
2	200	40	
2 ½	200	54	35
3	200	67	50
4	250	88	74
5	250	113	97
6	250	139	123
8	250	178	169

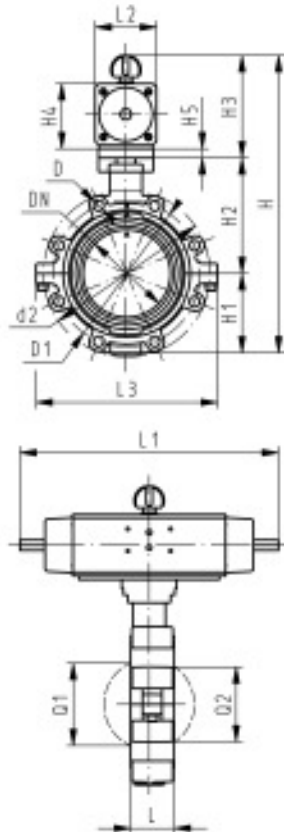
Butterfly valves pneumatic PVC-U ANSI

Lugstyle butterfly valve type 242 PVC-U FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	199 242 002	199 242 022
2 ½	65	10	2200	199 242 003	199 242 023
3	80	10	3000	199 242 004	199 242 024
4	100	10	6500	199 242 005	199 242 025
5	125	10	11500	199 242 006	199 242 026
6	150	10	16600	199 242 007	199 242 027
8	200	10	39600	199 242 008	199 242 028

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-30 FC	UNC 5/8	121	150	328	77	134	117	70	15	45	276	65
2 ½	PA-30 FC	UNC 5/8	140	170	340	83	140	117	70	15	46	276	65
3	PA-35 FC	UNC 5/8	153	177	361	89	146	126	78	15	49	326	72
4	PA-40 FC	UNC 5/8	191	216	400	104	167	129	86		56	370	80
5	PA-45 FC	UNC 3/4	216	246	437	117	181	139	96		64	411	90
6	PA-50 FC	UNC 3/4	242	273	468	130	189	149	106		72	423	100
8	PA-55 FC	UNC 3/4	299	334	529	158	210	161	118		73	452	112

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

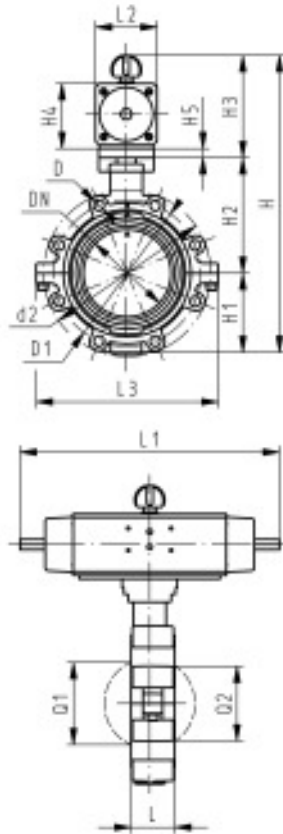


Lugstyle butterfly valve type 242 PVC-U FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	199 242 042	199 242 062
2 ½	65	10	2200	199 242 043	199 242 063
3	80	10	3000	199 242 044	199 242 064
4	100	10	6500	199 242 045	199 242 065
5	125	10	11500	199 242 046	199 242 066
6	150	10	16600	199 242 047	199 242 067
8	200	10	39600	199 242 048	199 242 068

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-30 FO	UNC 5/8	121	150	328	77	134	117	70	15	45	276	65
2 ½	PA-30 FO	UNC 5/8	140	170	340	83	140	117	70	15	46	276	65
3	PA-35 FO	UNC 5/8	153	177	361	89	146	126	78	15	49	326	72
4	PA-40 FO	UNC 5/8	191	216	400	104	167	129	86		56	370	80
5	PA-45 FO	UNC 3/4	216	246	437	117	181	139	96		64	411	90
6	PA-50 FO	UNC 3/4	242	273	468	130	189	149	106		72	423	100
8	PA-55 FO	UNC 3/4	299	334	529	158	210	161	118		73	452	112

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

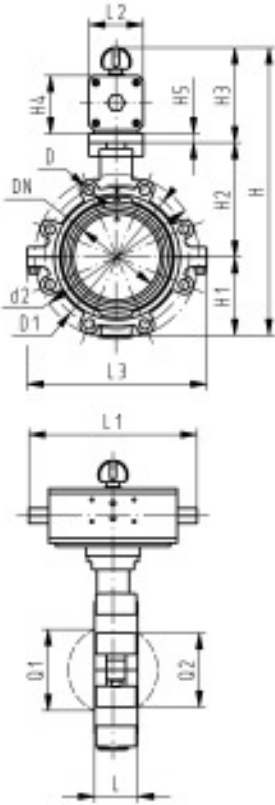


Lugstyle butterfly valve type 242 PVC-U DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	10	1470	199 242 082	199 242 102
2 ½	65	10	2200	199 242 083	199 242 103
3	80	10	3000	199 242 084	199 242 104
4	100	10	6500	199 242 085	199 242 105
5	125	10	11500	199 242 086	199 242 106
6	150	10	16600	199 242 087	199 242 107
8	200	10	39600	199 242 088	199 242 108

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-35 DA	UNC 5/8	121	150	318	77	134	107	60	15	45	177	55
2 ½	PA-35 DA	UNC 5/8	140	170	330	83	140	107	60	15	46	177	55
3	PA-40 DA	UNC 5/8	153	177	348	89	146	113	66	15	49	190	60
4	PA-45 DA	UNC 5/8	191	216	373	104	167	102	71		56	198	65
5	PA-45 DA	UNC 3/4	216	246	409	117	181	111	78		64	235	72
6	PA-55 DA	UNC 3/4	242	273	448	130	189	129	86		72	250	80
8	PA-55 DA	UNC 3/4	299	334	507	158	210	139	96		73	279	90

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

Butterfly valves PVC-C ANSI

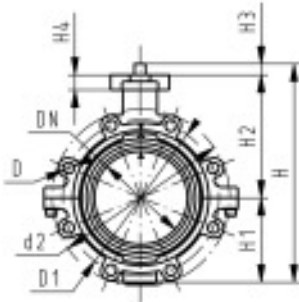
Lugstyle butterfly valve type 568 PVC-C Bare shaft



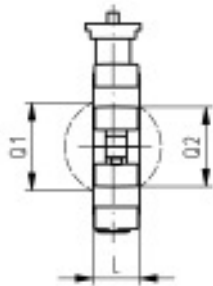
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211

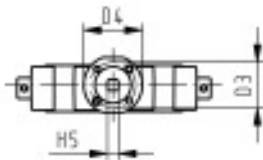
* Available on request



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	63	50	10	1470	163 568 902	163 568 922
2 ½	75	65	10	2200	163 568 903	163 568 923
3	90	80	10	3000	163 568 904	163 568 924
4	110	100	10	6500	163 568 905	163 568 925
*5	140	125	10	11500	163 568 906	163 568 926
6	160	150	10	16600	163 568 907	163 568 927
8	225	200	10	39600	163 568 908	163 568 928



Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
*2	150	UNC 5/8	121	70	90	222	77	134	27	23	45	40	
2 ½	170	UNC 5/8	138	70	90	235	83	140	27	23	46	54	35
3	177	UNC 5/8	152	70	90	247	89	146	27	23	49	67	50
4	216	UNC 5/8	191	70	90	287	104	167	16	23	56	88	74
*5	246	UNC 3/4	216	70	90	313	117	181	16	23	64	113	97
6	273	UNC 3/4	241	70	90	335	130	189	19	23	72	139	123
8	334	UNC 3/4	298	70	90	387	158	210	19	23	73	178	169





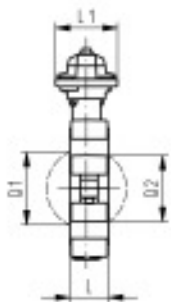
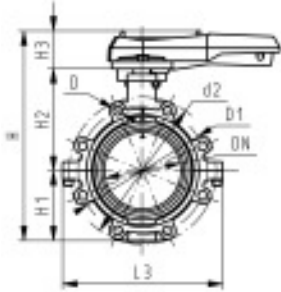
Lugstyle butterfly valve type 568 PVC-C Hand lever with ratchet settings



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752

* Available on request



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	63	50	10	1470	163 568 102	163 568 122
2 ½	75	65	10	2200	163 568 103	163 568 123
3	90	80	10	3000	163 568 104	163 568 124
4	110	100	10	6500	163 568 105	163 568 125
*5	140	125	10	11500	163 568 106	163 568 126
6	160	150	10	16600	163 568 107	163 568 127
8	225	200	10	39600	163 568 108	163 568 128

Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40	
2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50
4	216	UNC 5/8	191	326	104	167	55	56	106	255	244	88	74
*5	246	UNC 3/4	216	353	117	181	55	64	106	255	272	113	97
6	273	UNC 3/4	241	374	130	189	55	72	106	255	297	139	123
8	334	UNC 3/4	298	435	158	210	67	73	140	408	360	178	169



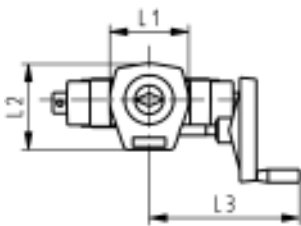
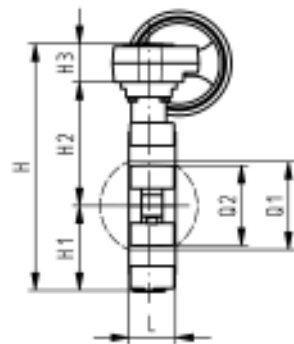
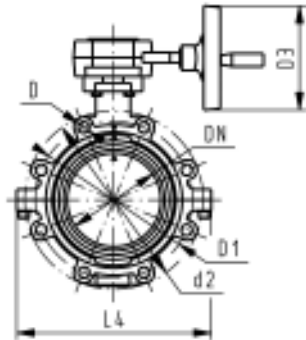
Lugstyle butterfly valve type 568 PVC-C Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752

* Available on request



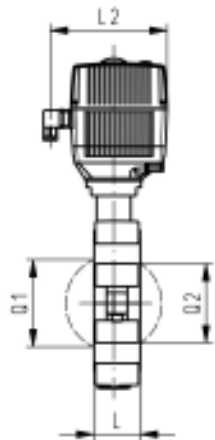
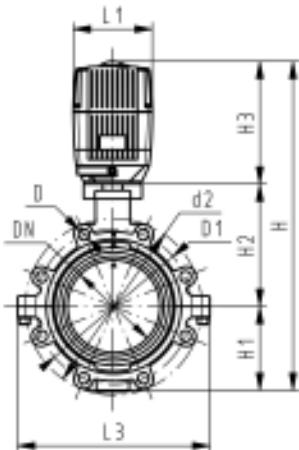
Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	63	50	10	1470	163 568 142	163 568 162
2 ½	75	65	10	2200	163 568 143	163 568 163
3	90	80	10	3000	163 568 144	163 568 164
4	110	100	10	6500	163 568 145	163 568 165
*5	140	125	10	11500	163 568 146	163 568 166
6	160	150	10	16600	163 568 147	163 568 167
8	225	200	10	39600	163 568 148	163 568 168

Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
*2	150	UNC 5/8	121	160	279	77	134	68	45	120	132	236	150
2 ½	170	UNC 5/8	138	160	291	83	140	68	46	120	132	236	160
3	177	UNC 5/8	152	160	303	89	146	68	49	120	132	236	175
4	216	UNC 5/8	191	160	339	104	167	68	56	120	132	236	244
*5	246	UNC 3/4	216	160	366	117	181	68	64	120	132	236	272
6	273	UNC 3/4	241	160	387	130	189	68	72	120	132	236	297
8	334	UNC 3/4	298	160	436	158	210	68	73	120	132	236	360

Inch	Q1 [mm]	Q2 [mm]
*2	40	
2 ½	54	35
3	67	50
4	88	74
*5	113	97
6	139	123
8	178	169

Butterfly valves electric PVC-C ANSI

Lugstyle butterfly valve type 142 PVC-C 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

* Available on request

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	50	63	10	1470	199 142 202	199 142 222
2 ½	65	75	10	2200	199 142 203	199 142 223
3	80	90	10	3000	199 142 204	199 142 224
4	100	110	10	6500	199 142 205	199 142 225
*5	125	140	10	11500	199 142 206	199 142 226
6	150	160	10	16600	199 142 207	199 142 227
8	200	225	10	39600	199 142 208	199 142 228

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244
*5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360

Inch	Q1 [mm]	Q2 [mm]
*2	40	
2 ½	54	35
3	67	50
4	88	74
*5	113	97
6	139	123
8	178	169



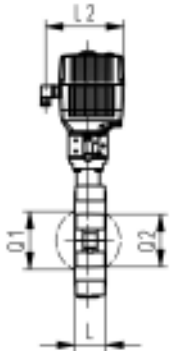
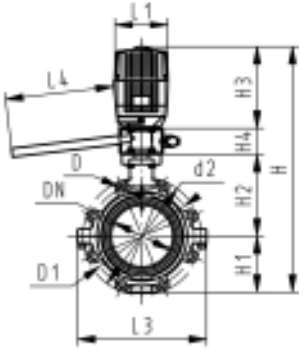
Lugstyle butterfly valve type 142 PVC-C 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	50	63	10	1470	199 142 162	199 142 182
2 ½	65	75	10	2200	199 142 163	199 142 183
3	80	90	10	3000	199 142 164	199 142 184
4	100	110	10	6500	199 142 165	199 142 185
*5	125	140	10	11500	199 142 166	199 142 186
6	150	160	10	16600	199 142 167	199 142 187
8	200	225	10	39600	199 142 168	199 142 188

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
*2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180
*5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180

Inch	L3 [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*2	150	200	40	
2 ½	160	200	54	35
3	175	200	67	50
4	244	250	88	74
*5	272	250	113	97
6	297	250	139	123
8	360	250	178	169

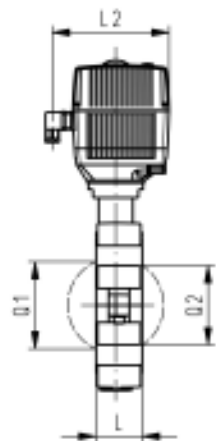
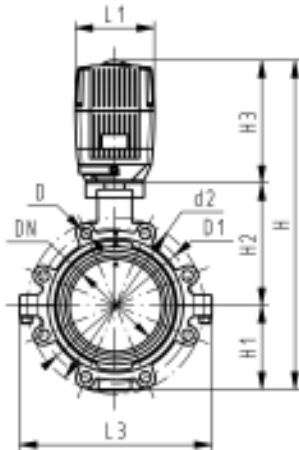


Lugstyle butterfly valve type 142 PVC-C 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



* Available on request

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	50	63	10	1470	199 142 282	199 142 302
2 ½	65	75	10	2200	199 142 283	199 142 303
3	80	90	10	3000	199 142 284	199 142 304
4	100	110	10	6500	199 142 285	199 142 305
*5	125	140	10	11500	199 142 286	199 142 306
6	150	160	10	16600	199 142 287	199 142 307
8	200	225	10	39600	199 142 288	199 142 308

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244
*5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360

Inch	Q1 [mm]	Q2 [mm]
*2	40	
2 ½	54	35
3	67	50
4	88	74
*5	113	97
6	139	123
8	178	169



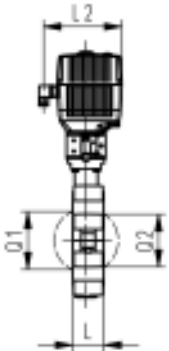
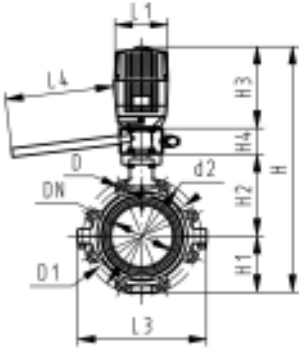
Lugstyle butterfly valve type 142 PVC-C 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	50	63	10	1470	199 142 242	199 142 262
2 ½	65	75	10	2200	199 142 243	199 142 263
3	80	90	10	3000	199 142 244	199 142 264
4	100	110	10	6500	199 142 245	199 142 265
*5	125	140	10	11500	199 142 246	199 142 266
6	150	160	10	16600	199 142 247	199 142 267
8	200	225	10	39600	199 142 248	199 142 268

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
*2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180
*5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180

Inch	L3 [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*2	150	200	40	
2 ½	160	200	54	35
3	175	200	67	50
4	244	250	88	74
*5	272	250	113	97
6	297	250	139	123
8	360	250	178	169

Butterfly valves pneumatic PVC-C ANSI

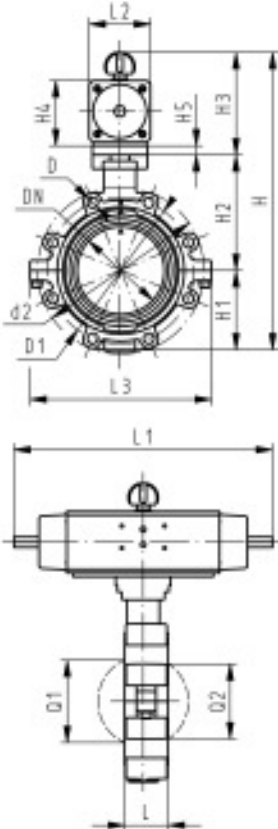
Lugstyle butterfly valve type 242 PVC-C FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	50	63	10	1470	199 242 162	199 242 182
2 ½	65	75	10	2200	199 242 163	199 242 183
3	80	90	10	3000	199 242 164	199 242 184
4	100	110	10	6500	199 242 165	199 242 185
*5	125	140	10	11500	199 242 166	199 242 186
6	150	160	10	16600	199 242 167	199 242 187
8	200	225	10	39600	199 242 168	199 242 188

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
*2	PA-30 FC	UNC 5/8	121	150	328	77	134	117	70	15	45	276
2 ½	PA-30 FC	UNC 5/8	140	170	340	83	140	117	70	15	46	276
3	PA-35 FC	UNC 5/8	153	177	361	89	146	126	78	15	49	326
4	PA-40 FC	UNC 5/8	191	216	400	104	167	129	86		56	370
*5	PA-45 FC	UNC 3/4	216	246	437	117	181	139	96		64	411
6	PA-50 FC	UNC 3/4	242	273	468	130	189	149	106		72	423
8	PA-55 FC	UNC 3/4	299	334	529	158	210	161	118		73	452

Inch	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	65	150	40	
2 ½	65	160	54	35
3	72	175	67	50
4	80	244	88	74
*5	90	272	113	97
6	100	297	139	123
8	112	360	178	169



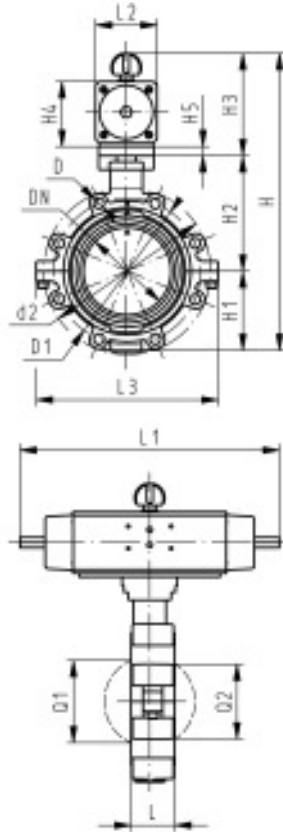
Lugstyle butterfly valve type 242 PVC-C FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
*2	50	63	10	1470	199 242 202	199 242 222
2 ½	65	75	10	2200	199 242 203	199 242 223
3	80	90	10	3000	199 242 204	199 242 224
4	100	110	10	6500	199 242 205	199 242 225
*5	125	140	10	11500	199 242 206	199 242 226
6	150	160	10	16600	199 242 207	199 242 227
8	200	225	10	39600	199 242 208	199 242 228

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
*2	PA-30 FO	UNC 5/8	121	150	328	77	134	117	70	15	45	276
2 ½	PA-30 FO	UNC 5/8	140	170	340	83	140	117	70	15	46	276
3	PA-35 FO	UNC 5/8	153	177	361	89	146	126	78	15	49	326
4	PA-40 FO	UNC 5/8	191	216	400	104	167	129	86		56	370
*5	PA-45 FO	UNC 3/4	216	246	437	117	181	139	96		64	411
6	PA-50 FO	UNC 3/4	242	273	468	130	189	149	106		72	423
8	PA-55 FO	UNC 3/4	299	334	529	158	210	161	118		73	452

Inch	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	65	150	40	
2 ½	65	160	54	35
3	72	175	67	50
4	80	244	88	74
*5	90	272	113	97
6	100	297	139	123
8	112	360	178	169



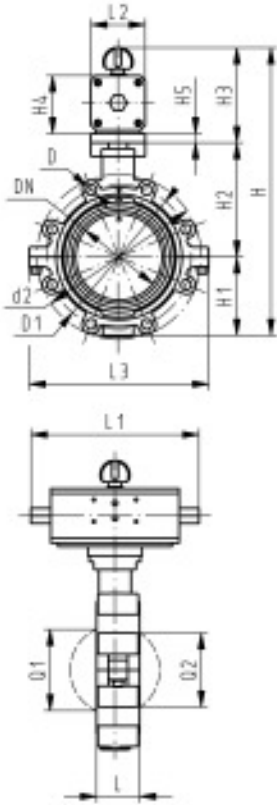
Lugstyle butterfly valve type 242 PVC-C DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



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

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
*2	PA-35 DA	UNC 5/8	121	150	318	77	134	107	60	15	45	177
2 ½	PA-35 DA	UNC 5/8	140	170	330	83	140	107	60	15	46	177
3	PA-40 DA	UNC 5/8	153	177	348	89	146	113	66	15	49	190
4	PA-45 DA	UNC 5/8	191	216	373	104	167	102	71		56	198
*5	PA-45 DA	UNC 3/4	216	246	409	117	181	111	78		64	235
6	PA-55 DA	UNC 3/4	242	273	448	130	189	129	86		72	250
8	PA-55 DA	UNC 3/4	299	334	507	158	210	139	96		73	279

Inch	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	55	150	40	
2 ½	55	160	54	35
3	60	175	67	50
4	65	244	88	74
*5	72	272	113	97
6	80	297	139	123
8	90	360	178	169

Butterfly valves ABS ANSI

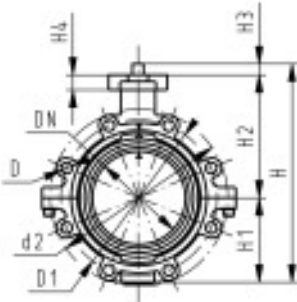
Lugstyle butterfly valve type 568 ABS Bare shaft



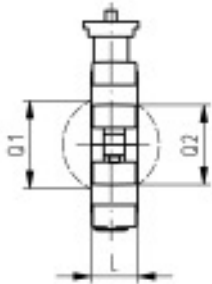
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211

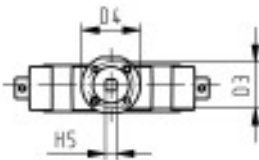
* Available on request



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	63	50	10	1470	169 568 902
*2 1/2	75	65	10	2200	169 568 903
3	90	80	10	3000	169 568 904
4	110	100	10	6500	169 568 905
*5	140	125	10	11500	169 568 906
6	160	150	10	16600	169 568 907
8	225	200	10	39600	169 568 908



Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
*2	150	UNC 5/8	121	70	90	222	77	134	27	23	45	40	
*2 1/2	170	UNC 5/8	138	70	90	235	83	140	27	23	46	54	35
3	177	UNC 5/8	152	70	90	247	89	146	27	23	49	67	50
4	216	UNC 5/8	191	70	90	287	104	167	16	23	56	88	74
*5	246	UNC 3/4	216	70	90	313	117	181	16	23	64	113	97
6	273	UNC 3/4	241	70	90	335	130	189	19	23	72	139	123
8	334	UNC 3/4	298	70	90	387	158	210	19	23	73	178	169





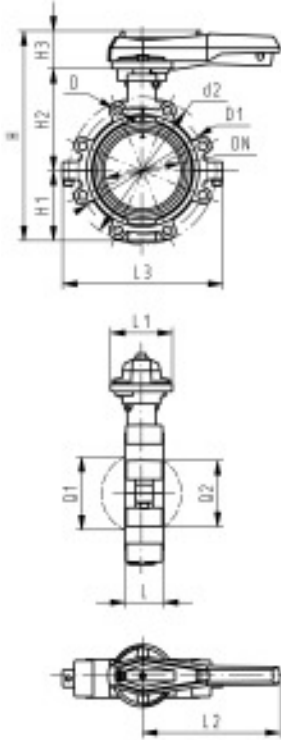
Lugstyle butterfly valve type 568 ABS Hand lever with ratchet settings



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752

* Available on request



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code									
*2	63	50	10	1470	169 568 102									
*2 ½	75	65	10	2200	169 568 103									
3	90	80	10	3000	169 568 104									
4	110	100	10	6500	169 568 105									
*5	140	125	10	11500	169 568 106									
6	160	150	10	16600	169 568 107									
8	225	200	10	39600	169 568 108									

Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40	
*2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50
4	216	UNC 5/8	191	326	104	167	55	56	106	255	244	88	74
*5	246	UNC 3/4	216	353	117	181	55	64	106	255	272	113	97
6	273	UNC 3/4	241	374	130	189	55	72	106	255	297	139	123
8	334	UNC 3/4	298	435	158	210	67	73	140	408	360	178	169



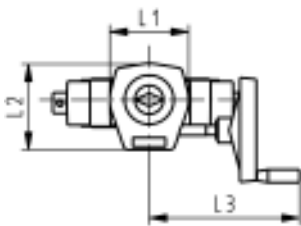
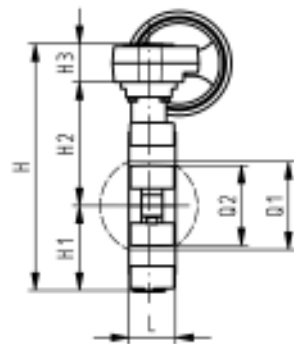
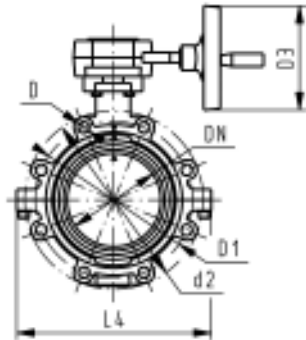
Lugstyle butterfly valve type 568 ABS Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752

* Available on request



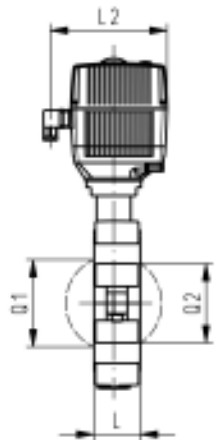
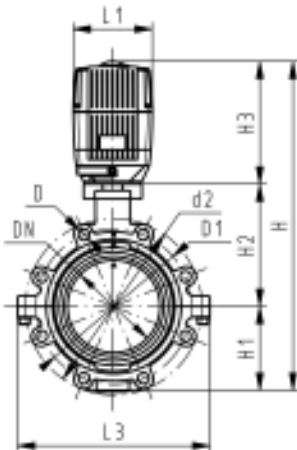
Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	63	50	10	1470	169 568 122
*2 1/2	75	65	10	2200	169 568 123
3	90	80	10	3000	169 568 124
4	110	100	10	6500	169 568 125
*5	140	125	10	11500	169 568 126
6	160	150	10	16600	169 568 127
8	225	200	10	39600	169 568 128

Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]
*2	150	UNC 5/8	121	160	279	77	134	68	45	120	132	236	150
*2 1/2	170	UNC 5/8	138	160	291	83	140	68	46	120	132	236	160
3	177	UNC 5/8	152	160	303	89	146	68	49	120	132	236	175
4	216	UNC 5/8	191	160	339	104	167	68	56	120	132	236	244
*5	246	UNC 3/4	216	160	366	117	181	68	64	120	132	236	272
6	273	UNC 3/4	241	160	387	130	189	68	72	120	132	236	297
8	334	UNC 3/4	298	160	436	158	210	68	73	120	132	236	360

Inch	Q1 [mm]	Q2 [mm]
*2	40	
*2 1/2	54	35
3	67	50
4	88	74
*5	113	97
6	139	123
8	178	169

Butterfly valves electric ABS ANSI

Lugstyle butterfly valve type 142 ABS 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

* Available on request

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	50	63	10	1470	199 142 502
*2 ½	65	75	10	2200	199 142 503
3	80	90	10	3000	199 142 504
4	100	110	10	6500	199 142 505
*5	125	140	10	11500	199 142 506
6	150	160	10	16600	199 142 507
8	200	225	10	39600	199 142 508

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150
*2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244
*5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360

Inch	Q1 [mm]	Q2 [mm]
*2	40	
*2 ½	54	35
3	67	50
4	88	74
*5	113	97
6	139	123
8	178	169



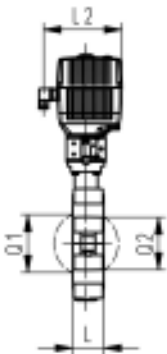
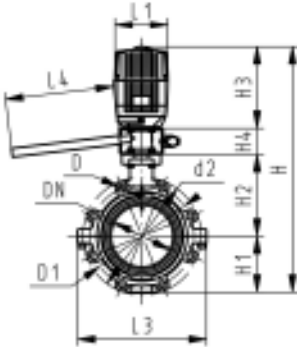
Lugstyle butterfly valve type 142 ABS 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	50	63	10	1470	199 142 482
*2 1/2	65	75	10	2200	199 142 483
3	80	90	10	3000	199 142 484
4	100	110	10	6500	199 142 485
*5	125	140	10	11500	199 142 486
6	150	160	10	16600	199 142 487
8	200	225	10	39600	199 142 488

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
*2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180
*2 1/2	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180
*5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180

Inch	L3 [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*2	150	200	40	
*2 1/2	160	200	54	35
3	175	200	67	50
4	244	250	88	74
*5	272	250	113	97
6	297	250	139	123
8	360	250	178	169



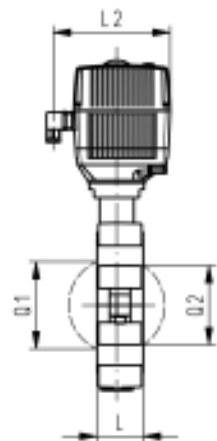
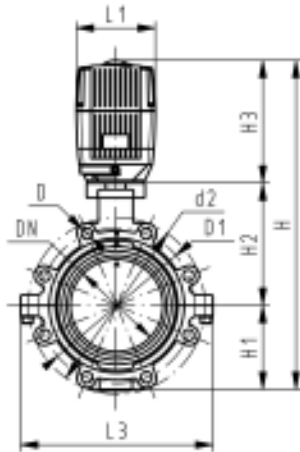
Lugstyle butterfly valve type 142 ABS 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	50	63	10	1470	199 142 542
*2 ½	65	75	10	2200	199 142 543
3	80	90	10	3000	199 142 544
4	100	110	10	6500	199 142 545
*5	125	140	10	11500	199 142 546
6	150	160	10	16600	199 142 547
8	200	225	10	39600	199 142 548

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
*2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150
*2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244
*5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360

Inch	Q1 [mm]	Q2 [mm]
*2	40	
*2 ½	54	35
3	67	50
4	88	74
*5	113	97
6	139	123
8	178	169



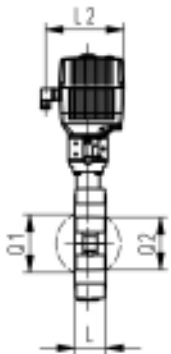
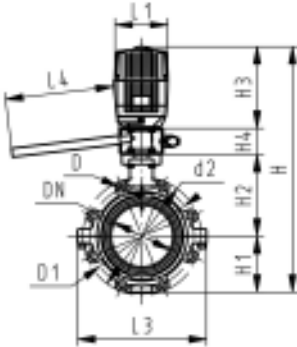
Lugstyle butterfly valve type 142 ABS 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	50	63	10	1470	199 142 522
*2 1/2	65	75	10	2200	199 142 523
3	80	90	10	3000	199 142 524
4	100	110	10	6500	199 142 525
*5	125	140	10	11500	199 142 526
6	150	160	10	16600	199 142 527
8	200	225	10	39600	199 142 528

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]
*2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180
*2 1/2	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180
*5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180

Inch	L3 [mm]	L4 [mm]	Q1 [mm]	Q2 [mm]
*2	150	200	40	
*2 1/2	160	200	54	35
3	175	200	67	50
4	244	250	88	74
*5	272	250	113	97
6	297	250	139	123
8	360	250	178	169

Butterfly valves pneumatic ABS ANSI

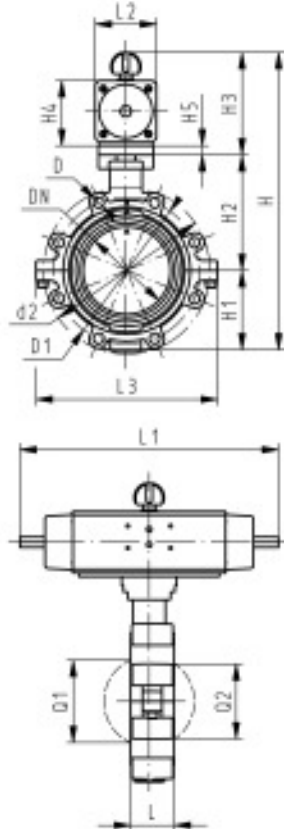
Lugstyle butterfly valve type 242 ABS FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	50	63	10	1470	199 242 402
*2 ½	65	75	10	2200	199 242 403
3	80	90	10	3000	199 242 404
4	100	110	10	6500	199 242 405
*5	125	140	10	11500	199 242 406
6	150	160	10	16600	199 242 407
8	200	225	10	39600	199 242 408

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
*2	PA-30 FC	UNC 5/8	121	150	328	77	134	117	70	15	45	276
*2 ½	PA-30 FC	UNC 5/8	140	170	340	83	140	117	70	15	46	276
3	PA-35 FC	UNC 5/8	153	177	361	89	146	126	78	15	49	326
4	PA-40 FC	UNC 5/8	191	216	400	104	167	129	86		56	370
*5	PA-45 FC	UNC 3/4	216	246	437	117	181	139	96		64	411
6	PA-50 FC	UNC 3/4	242	273	468	130	189	149	106		72	423
8	PA-55 FC	UNC 3/4	299	334	529	158	210	161	118		73	452

Inch	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	65	150	40	
*2 ½	65	160	54	35
3	72	175	67	50
4	80	244	88	74
*5	90	272	113	97
6	100	297	139	123
8	112	360	178	169



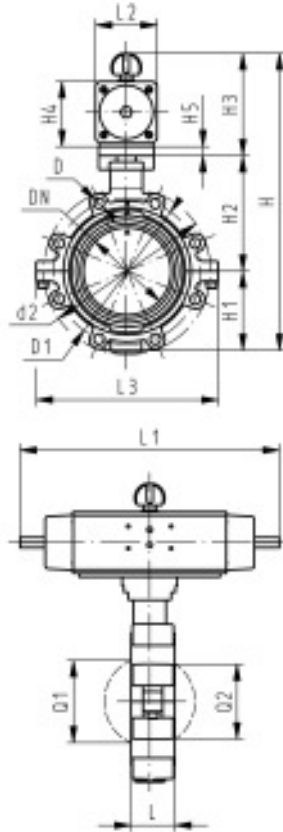
Lugstyle butterfly valve type 242 ABS FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	50	63	10	1470	199 242 422
*2 1/2	65	75	10	2200	199 242 423
3	80	90	10	3000	199 242 424
4	100	110	10	6500	199 242 425
*5	125	140	10	11500	199 242 426
6	150	160	10	16600	199 242 427
8	200	225	10	39600	199 242 428

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
*2	PA-30 FO	UNC 5/8	121	150	328	77	134	117	70	15	45	276
*2 1/2	PA-30 FO	UNC 5/8	140	170	340	83	140	117	70	15	46	276
3	PA-35 FO	UNC 5/8	153	177	361	89	146	126	78	15	49	326
4	PA-40 FO	UNC 5/8	191	216	400	104	167	129	86		56	370
*5	PA-45 FO	UNC 3/4	216	246	437	117	181	139	96		64	411
6	PA-50 FO	UNC 3/4	242	273	468	130	189	149	106		72	423
8	PA-55 FO	UNC 3/4	299	334	529	158	210	161	118		73	452

Inch	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	65	150	40	
*2 1/2	65	160	54	35
3	72	175	67	50
4	80	244	88	74
*5	90	272	113	97
6	100	297	139	123
8	112	360	178	169



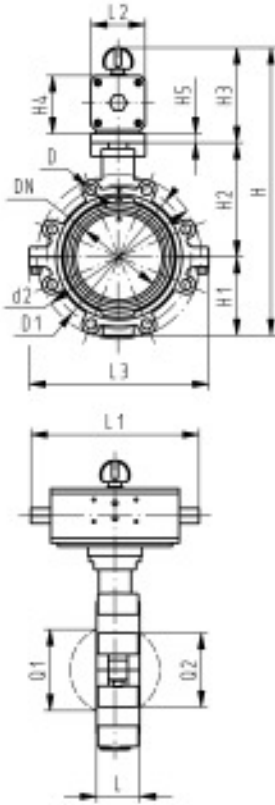
Lugstyle butterfly valve type 242 ABS DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

* Available on request



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code
*2	50	63	10	1470	199 242 442
*2 ½	65	75	10	2200	199 242 443
3	80	90	10	3000	199 242 444
4	100	110	10	6500	199 242 445
*5	125	140	10	11500	199 242 446
6	150	160	10	16600	199 242 447
8	200	225	10	39600	199 242 448

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
*2	PA-35 DA	UNC 5/8	121	150	318	77	134	107	60	15	45	177
*2 ½	PA-35 DA	UNC 5/8	140	170	330	83	140	107	60	15	46	177
3	PA-40 DA	UNC 5/8	153	177	348	89	146	113	66	15	49	190
4	PA-45 DA	UNC 5/8	191	216	373	104	167	102	71		56	198
*5	PA-45 DA	UNC 3/4	216	246	409	117	181	111	78		64	235
6	PA-55 DA	UNC 3/4	242	273	448	130	189	129	86		72	250
8	PA-55 DA	UNC 3/4	299	334	507	158	210	139	96		73	279

Inch	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
*2	55	150	40	
*2 ½	55	160	54	35
3	60	175	67	50
4	65	244	88	74
*5	72	272	113	97
6	80	297	139	123
8	90	360	178	169

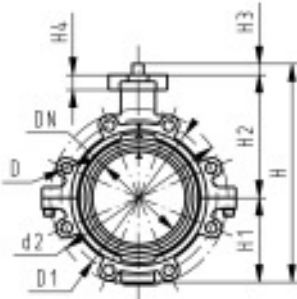
Butterfly valves PP-H ANSI

Lugstyle butterfly valve type 568 PP-H Bare shaft

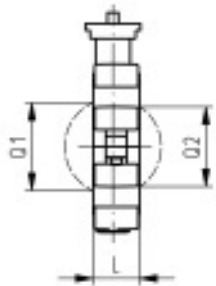


Model:

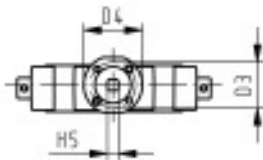
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	63	50	10	1470	167 568 902	167 568 922
2 ½	75	65	10	2200	167 568 903	167 568 923
3	90	80	10	3000	167 568 904	167 568 924
4	110	100	10	6500	167 568 905	167 568 925
5	140	125	10	11500	167 568 906	167 568 926
6	160	150	10	16600	167 568 907	167 568 927
8	225	200	10	39600	167 568 908	167 568 928



Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	70	90	222	77	134	27	23	45	40	
2 ½	170	UNC 5/8	138	70	90	235	83	140	27	23	46	54	35
3	177	UNC 5/8	152	70	90	247	89	146	27	23	49	67	50
4	216	UNC 5/8	191	70	90	287	104	167	16	23	56	88	74
5	246	UNC 3/4	216	70	90	313	117	181	16	23	64	113	97
6	273	UNC 3/4	241	70	90	335	130	189	19	23	72	139	123
8	334	UNC 3/4	298	70	90	387	158	210	19	23	73	178	169



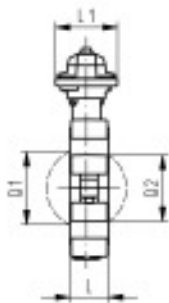
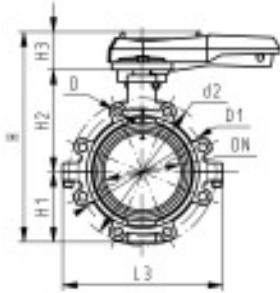


Lugstyle butterfly valve type 568 PP-H Hand lever with ratchet settings



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	63	50	10	1470	167 568 102	167 568 122
2 ½	75	65	10	2200	167 568 103	167 568 123
3	90	80	10	3000	167 568 104	167 568 124
4	110	100	10	6500	167 568 105	167 568 125
5	140	125	10	11500	167 568 106	167 568 126
6	160	150	10	16600	167 568 107	167 568 127
8	225	200	10	39600	167 568 108	167 568 128

Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40	
2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50
4	216	UNC 5/8	191	326	104	167	55	56	106	255	244	88	74
5	246	UNC 3/4	216	353	117	181	55	64	106	255	272	113	97
6	273	UNC 3/4	241	374	130	189	55	72	106	255	297	139	123
8	334	UNC 3/4	298	435	158	210	67	73	140	408	360	178	169

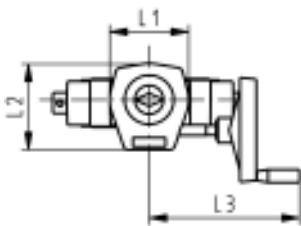
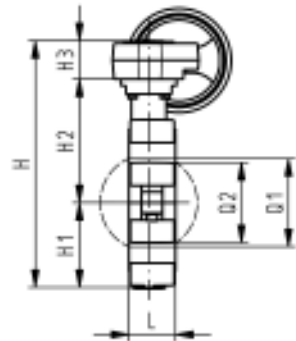
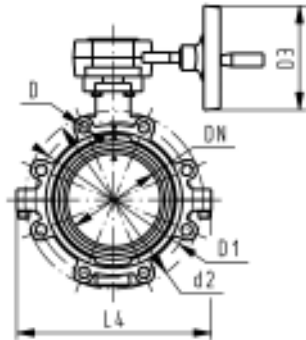


Lugstyle butterfly valve type 568 PP-H Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752



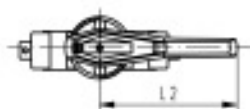
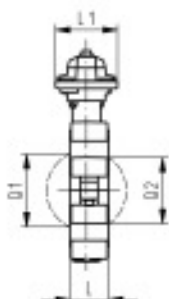
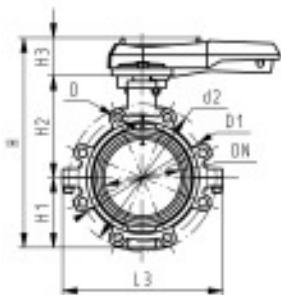
Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	63	50	10	1470	167 568 142	167 568 162
2 ½	75	65	10	2200	167 568 143	167 568 163
3	90	80	10	3000	167 568 144	167 568 164
4	110	100	10	6500	167 568 145	167 568 165
5	140	125	10	11500	167 568 146	167 568 166
6	160	150	10	16600	167 568 147	167 568 167
8	225	200	10	39600	167 568 148	167 568 168

Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]
2	150	UNC 5/8	121	160	279	77	134	68	45	120	132	236	150	40
2 ½	170	UNC 5/8	138	160	291	83	140	68	46	120	132	236	160	54
3	177	UNC 5/8	152	160	303	89	146	68	49	120	132	236	175	67
4	216	UNC 5/8	191	160	339	104	167	68	56	120	132	236	244	88
5	246	UNC 3/4	216	160	366	117	181	68	64	120	132	236	272	113
6	273	UNC 3/4	241	160	387	130	189	68	72	120	132	236	297	139
8	334	UNC 3/4	298	160	436	158	210	68	73	120	132	236	360	178

Inch	Q2 [mm]
2	
2 ½	35
3	50
4	74
5	97
6	123
8	169

Butterfly valves PROGEF® SF ANSI

PROGEF® PLUS silicone free Lugstyle butterfly valve 568 PP-H SF ANSI Hand lever with ratchet settings



Model:

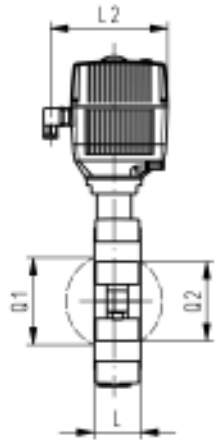
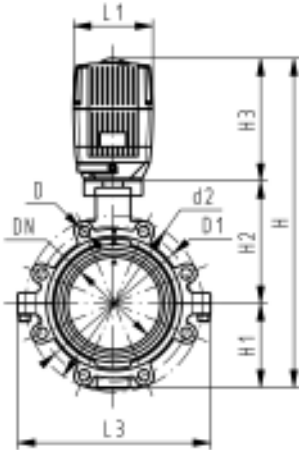
- Silicon-free / paint-compatible
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752

Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	63	50	10	1470	167 568 502	167 568 522
2 ½	75	65	10	2200	167 568 503	167 568 523
3	90	80	10	3000	167 568 504	167 568 524
4	110	100	10	6500	167 568 505	167 568 525
5	140	125	10	11500	167 568 506	167 568 526
6	160	150	10	16600	167 568 507	167 568 527
8	225	200	10	39600	167 568 508	167 568 528

Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40	
2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50
4	216	UNC 5/8	191	326	104	167	55	56	106	255	244	88	74
5	246	UNC 3/4	216	353	117	181	55	64	106	255	272	113	97
6	273	UNC 3/4	241	374	130	189	55	72	106	255	297	139	123
8	334	UNC 3/4	298	435	158	210	67	73	140	408	360	178	169

Butterfly valves electric PP-H ANSI

Lugstyle butterfly valve type 142 PP-H 100-230V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	63	10	1470	199 142 362	199 142 382
2 ½	65	75	10	2200	199 142 363	199 142 383
3	80	90	10	3000	199 142 364	199 142 384
4	100	110	10	6500	199 142 365	199 142 385
5	125	140	10	11500	199 142 366	199 142 386
6	150	160	10	16600	199 142 367	199 142 387
8	200	225	10	39600	199 142 368	199 142 388

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150	40
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160	54
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175	67
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244	88
5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272	113
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297	139
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360	178

Inch	Q2 [mm]
2	
2 ½	35
3	50
4	74
5	97
6	123
8	169

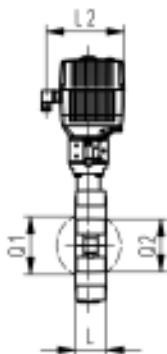
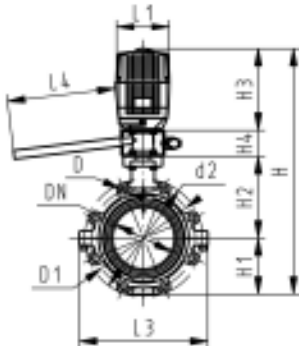


Lugstyle butterfly valve type 142 PP-H 100-230V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	63	10	1470	199 142 322	199 142 342
2 ½	65	75	10	2200	199 142 323	199 142 343
3	80	90	10	3000	199 142 324	199 142 344
4	100	110	10	6500	199 142 325	199 142 345
5	125	140	10	11500	199 142 326	199 142 346
6	150	160	10	16600	199 142 327	199 142 347
8	200	225	10	39600	199 142 328	199 142 348

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180	160
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180	175
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180	244
5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180	272
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180	297
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180	360

Inch	L4 [mm]	Q1 [mm]	Q2 [mm]
2	200	40	
2 ½	200	54	35
3	200	67	50
4	250	88	74
5	250	113	97
6	250	139	123
8	250	178	169

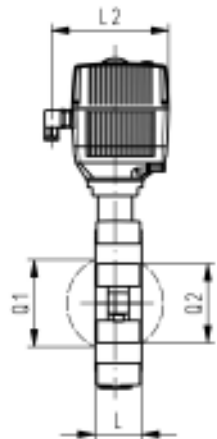
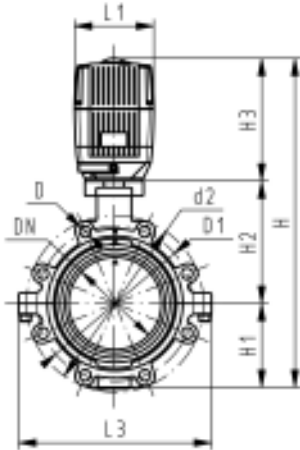


Lugstyle butterfly valve type 142 PP-H 24V Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	63	10	1470	199 142 442	199 142 462
2 ½	65	75	10	2200	199 142 443	199 142 463
3	80	90	10	3000	199 142 444	199 142 464
4	100	110	10	6500	199 142 445	199 142 465
5	125	140	10	11500	199 142 446	199 142 466
6	150	160	10	16600	199 142 447	199 142 467
8	200	225	10	39600	199 142 448	199 142 468

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150	40
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160	54
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175	67
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244	88
5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272	113
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297	139
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360	178

Inch	Q2 [mm]
2	
2 ½	35
3	50
4	74
5	97
6	123
8	169

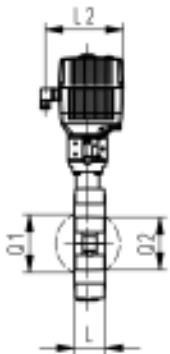
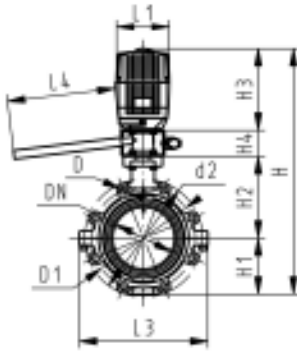


Lugstyle butterfly valve type 142 PP-H 24V With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



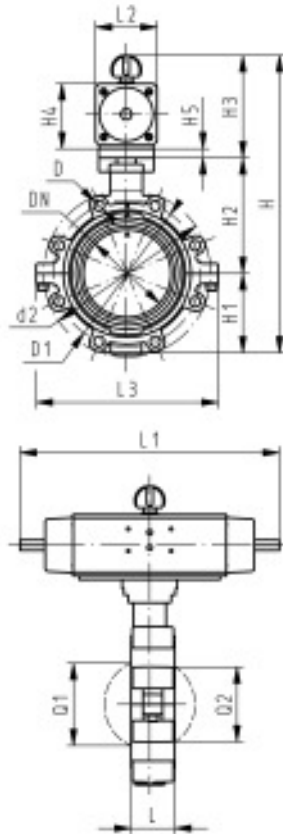
Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	63	10	1470	199 142 402	199 142 422
2 ½	65	75	10	2200	199 142 403	199 142 423
3	80	90	10	3000	199 142 404	199 142 424
4	100	110	10	6500	199 142 405	199 142 425
5	125	140	10	11500	199 142 406	199 142 426
6	150	160	10	16600	199 142 407	199 142 427
8	200	225	10	39600	199 142 408	199 142 428

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180	160
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180	175
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180	244
5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180	272
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180	297
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180	360

Inch	L4 [mm]	Q1 [mm]	Q2 [mm]
2	200	40	
2 ½	200	54	35
3	200	67	50
4	250	88	74
5	250	113	97
6	250	139	123
8	250	178	169

Butterfly valves pneumatic PP-H ANSI

Lugstyle butterfly valve type 242 PP-H FC (Fail safe to close) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	63	10	1470	199 242 282	199 242 302
2 ½	65	75	10	2200	199 242 283	199 242 303
3	80	90	10	3000	199 242 284	199 242 304
4	100	110	10	6500	199 242 285	199 242 305
5	125	140	10	11500	199 242 286	199 242 306
6	150	160	10	16600	199 242 287	199 242 307
8	200	225	10	39600	199 242 288	199 242 308

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-30 FC	UNC 5/8	121	150	328	77	134	117	70	15	45	276	65
2 ½	PA-30 FC	UNC 5/8	140	170	340	83	140	117	70	15	46	276	65
3	PA-35 FC	UNC 5/8	153	177	361	89	146	126	78	15	49	326	72
4	PA-40 FC	UNC 5/8	191	216	400	104	167	129	86		56	370	80
5	PA-45 FC	UNC 3/4	216	246	437	117	181	139	96		64	411	90
6	PA-50 FC	UNC 3/4	242	273	468	130	189	149	106		72	423	100
8	PA-55 FC	UNC 3/4	299	334	529	158	210	161	118		73	452	112

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

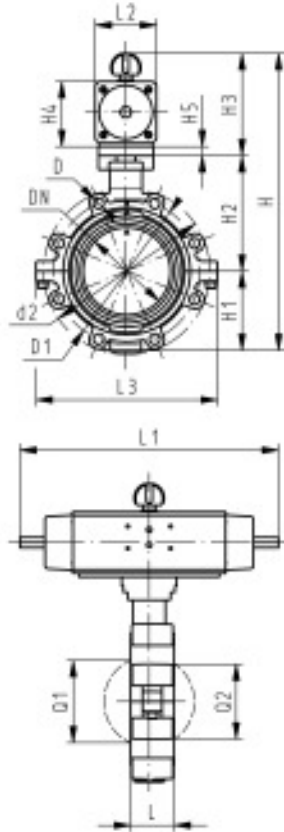


Lugstyle butterfly valve type 242 PP-H FO (Fail safe to open) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code
2	50	63	10	1470	199 242 322	199 242 342
2 ½	65	75	10	2200	199 242 323	199 242 343
3	80	90	10	3000	199 242 324	199 242 344
4	100	110	10	6500	199 242 325	199 242 345
5	125	140	10	11500	199 242 326	199 242 346
6	150	160	10	16600	199 242 327	199 242 347
8	200	225	10	39600	199 242 328	199 242 348

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-30 FO	UNC 5/8	121	150	328	77	134	117	70	15	45	276	65
2 ½	PA-30 FO	UNC 5/8	140	170	340	83	140	117	70	15	46	276	65
3	PA-35 FO	UNC 5/8	153	177	361	89	146	126	78	15	49	326	72
4	PA-40 FO	UNC 5/8	191	216	400	104	167	129	86		56	370	80
5	PA-45 FO	UNC 3/4	216	246	437	117	181	139	96		64	411	90
6	PA-50 FO	UNC 3/4	242	273	468	130	189	149	106		72	423	100
8	PA-55 FO	UNC 3/4	299	334	529	158	210	161	118		73	452	112

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

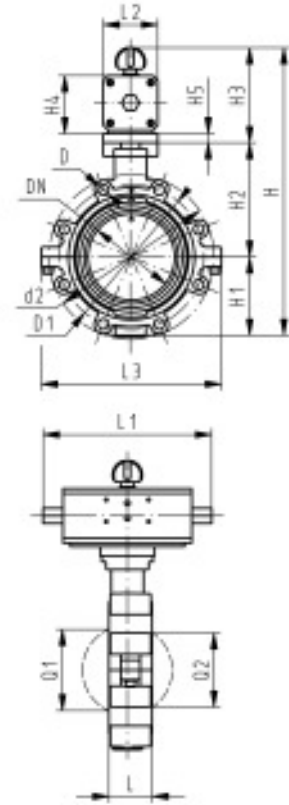


Lugstyle butterfly valve type 242 PP-H DA (Double acting) Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code							
2	50	63	10	1470	199 242 362	199 242 382							
2 ½	65	75	10	2200	199 242 363	199 242 383							
3	80	90	10	3000	199 242 364	199 242 384							
4	100	110	10	6500	199 242 365	199 242 385							
5	125	140	10	11500	199 242 366	199 242 386							
6	150	160	10	16600	199 242 367	199 242 387							
8	200	225	10	39600	199 242 368	199 242 388							

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-35 DA	UNC 5/8	121	150	318	77	134	107	60	15	45	177	55
2 ½	PA-35 DA	UNC 5/8	140	170	330	83	140	107	60	15	46	177	55
3	PA-40 DA	UNC 5/8	153	177	348	89	146	113	66	15	49	190	60
4	PA-45 DA	UNC 5/8	191	216	373	104	167	102	71		56	198	65
5	PA-45 DA	UNC 3/4	216	246	409	117	181	111	78		64	235	72
6	PA-55 DA	UNC 3/4	242	273	448	130	189	129	86		72	250	80
8	PA-55 DA	UNC 3/4	299	334	507	158	210	139	96		73	279	90

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

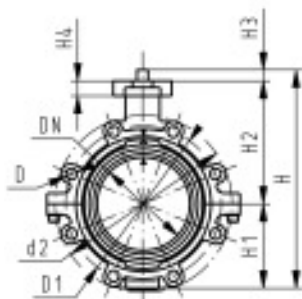
Butterfly valves SYGEF® ANSI

SYGEF® standard Lugstyle butterfly valve 568 PVDF ANSI Bare shaft

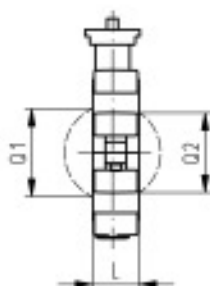


Model:

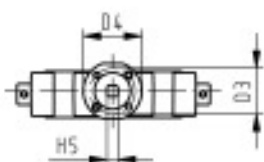
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Interface F07 according to DIN/ISO 5211



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	63	50	10	1470	175 568 922
2 ½	75	65	10	2200	175 568 923
3	90	80	10	3000	175 568 924
4	110	100	10	6500	175 568 925
5	140	125	10	11500	175 568 926
6	160	150	10	16600	175 568 927
8	225	200	10	39600	175 568 928



Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	D4 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	70	90	222	77	134	27	23	45	40	
2 ½	170	UNC 5/8	138	70	90	235	83	140	27	23	46	54	35
3	177	UNC 5/8	152	70	90	247	89	146	27	23	49	67	50
4	216	UNC 5/8	191	70	90	287	104	167	16	23	56	88	74
5	246	UNC 3/4	216	70	90	313	117	181	16	23	64	113	97
6	273	UNC 3/4	241	70	90	335	130	189	19	23	72	139	123
8	334	UNC 3/4	298	70	90	387	158	210	19	23	73	178	169



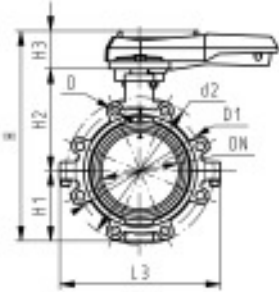


SYGEF® standard Lugstyle butterfly valve 568 PVDF ANSI Hand lever with ratchet settings

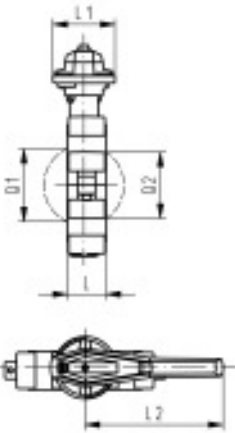


Model:

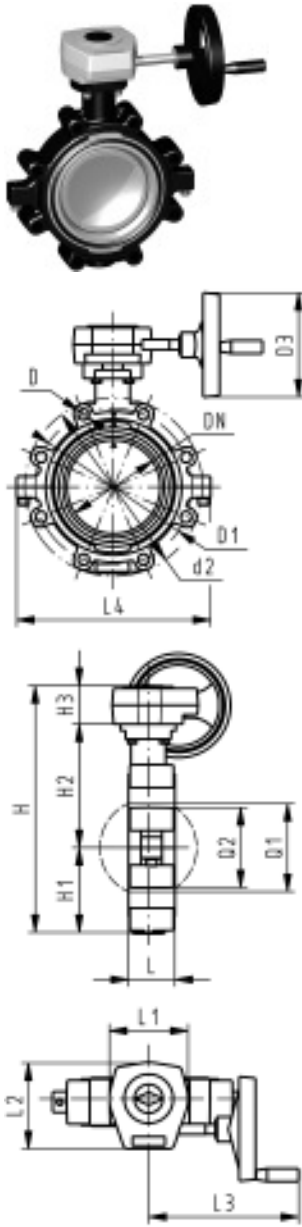
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	63	50	10	1470	175 568 102
2 ½	75	65	10	2200	175 568 103
3	90	80	10	3000	175 568 104
4	110	100	10	6500	175 568 105
5	140	125	10	11500	175 568 106
6	160	150	10	16600	175 568 107
8	225	200	10	39600	175 568 108



Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40	
2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50
4	216	UNC 5/8	191	326	104	167	55	56	106	255	244	88	74
5	246	UNC 3/4	216	353	117	181	55	64	106	255	272	113	97
6	273	UNC 3/4	241	374	130	189	55	72	106	255	297	139	123
8	334	UNC 3/4	298	435	158	210	67	73	140	408	360	178	169



SYGEF® standard Lugstyle butterfly valve 568 PVDF ANSI Reduction gear with handwheel



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752

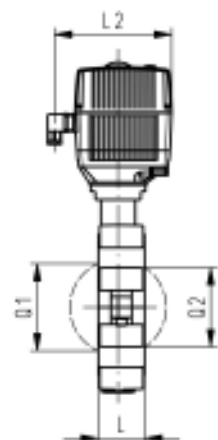
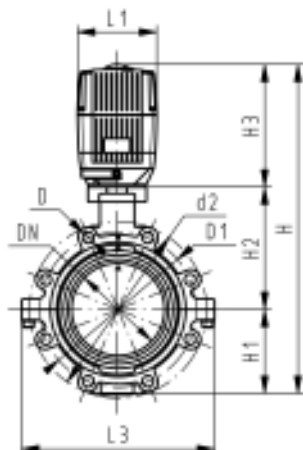
Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	63	50	10	1470	175 568 122
2 ½	75	65	10	2200	175 568 123
3	90	80	10	3000	175 568 124
4	110	100	10	6500	175 568 125
5	140	125	10	11500	175 568 126
6	160	150	10	16600	175 568 127
8	225	200	10	39600	175 568 128

Inch	d2 [mm]	D	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	Q1 [mm]
2	150	UNC 5/8	121	160	279	77	134	68	45	120	132	236	150	40
2 ½	170	UNC 5/8	138	160	291	83	140	68	46	120	132	236	160	54
3	177	UNC 5/8	152	160	303	89	146	68	49	120	132	236	175	67
4	216	UNC 5/8	191	160	339	104	167	68	56	120	132	236	244	88
5	246	UNC 3/4	216	160	366	117	181	68	64	120	132	236	272	113
6	273	UNC 3/4	241	160	387	130	189	68	72	120	132	236	297	139
8	334	UNC 3/4	298	160	436	158	210	68	73	120	132	236	360	178

Inch	Q2 [mm]
2	35
2 ½	50
3	74
4	97
5	123
6	169
8	169

Butterfly valves electric SYGEF® ANSI

SYGEF® standard Lugstyle butterfly valve type 142 100-230V ANSI Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	50	63	10	1470	199 142 582
2 ½	65	75	10	2200	199 142 583
3	80	90	10	3000	199 142 584
4	100	110	10	6500	199 142 585
5	125	140	10	11500	199 142 586
6	150	160	10	16600	199 142 587
8	200	225	10	39600	199 142 588

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150	40
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160	54
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175	67
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244	88
5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272	113
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297	139
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360	178

Inch	Q2 [mm]
2	
2 ½	35
3	50
4	74
5	97
6	123
8	169

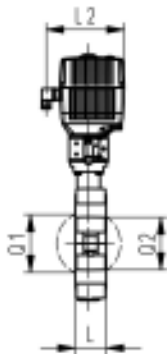
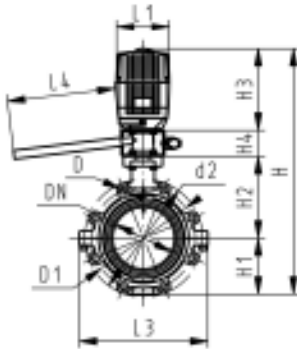


SYGEF® standard
Lugstyle butterfly valve type 142
100-230V ANSI
With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	50	63	10	1470	199 142 562
2 ½	65	75	10	2200	199 142 563
3	80	90	10	3000	199 142 564
4	100	110	10	6500	199 142 565
5	125	140	10	11500	199 142 566
6	150	160	10	16600	199 142 567
8	200	225	10	39600	199 142 568

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180	160
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180	175
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180	244
5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180	272
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180	297
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180	360

Inch	L4 [mm]	Q1 [mm]	Q2 [mm]
2	200	40	
2 ½	200	54	35
3	200	67	50
4	250	88	74
5	250	113	97
6	250	139	123
8	250	178	169

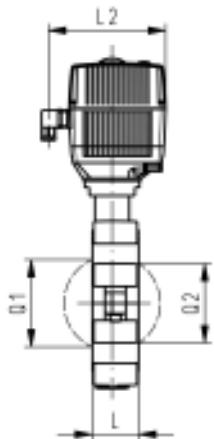
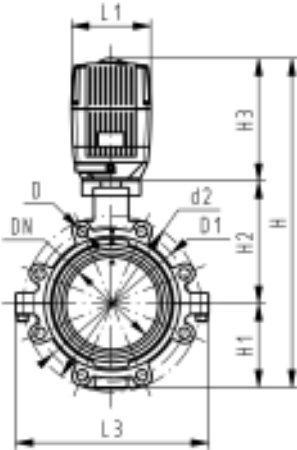


SYGEF® standard Lugstyle butterfly valve type 142 24V ANSI Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	50	63	10	1470	199 142 622
2 ½	65	75	10	2200	199 142 623
3	80	90	10	3000	199 142 624
4	100	110	10	6500	199 142 625
5	125	140	10	11500	199 142 626
6	150	160	10	16600	199 142 627
8	200	225	10	39600	199 142 628

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]
2	EA-31	UNC 5/8	121	150	399	77	134	188	45	122	180	150	40
2 ½	EA-31	UNC 5/8	140	170	411	83	140	188	46	122	180	160	54
3	EA-31	UNC 5/8	153	177	423	89	146	188	49	122	180	175	67
4	EA-31	UNC 5/8	191	216	459	104	167	188	56	122	180	244	88
5	EA-31	UNC 3/4	216	246	486	117	181	188	64	122	180	272	113
6	EA-31	UNC 3/4	242	273	507	130	189	188	72	122	180	297	139
8	EA-42	UNC 3/4	299	334	576	158	210	208	73	122	180	360	178

Inch	Q2 [mm]
2	
2 ½	35
3	50
4	74
5	97
6	123
8	169

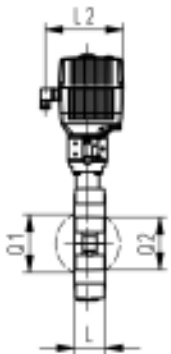
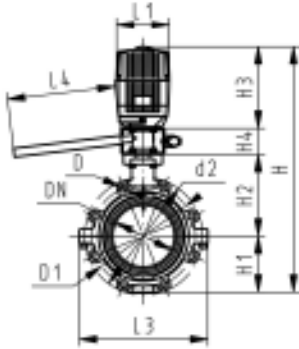


SYGEF® standard Lugstyle butterfly valve type 142 24V ANSI With manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, 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



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	50	63	10	1470	199 142 602
2 ½	65	75	10	2200	199 142 603
3	80	90	10	3000	199 142 604
4	100	110	10	6500	199 142 605
5	125	140	10	11500	199 142 606
6	150	160	10	16600	199 142 607
8	200	225	10	39600	199 142 608

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
2	EA-31	UNC 5/8	121	150	459	77	134	188	60	45	122	180	150
2 ½	EA-31	UNC 5/8	140	170	471	83	140	188	60	46	122	180	160
3	EA-31	UNC 5/8	153	177	483	89	146	188	60	49	122	180	175
4	EA-31	UNC 5/8	191	216	519	104	167	188	60	56	122	180	244
5	EA-31	UNC 3/4	216	246	546	117	181	188	60	64	122	180	272
6	EA-31	UNC 3/4	242	273	567	130	189	188	60	72	122	180	297
8	EA-42	UNC 3/4	299	334	636	158	210	208	60	73	122	180	360

Inch	L4 [mm]	Q1 [mm]	Q2 [mm]
2	200	40	
2 ½	200	54	35
3	200	67	50
4	250	88	74
5	250	113	97
6	250	139	123
8	250	178	169

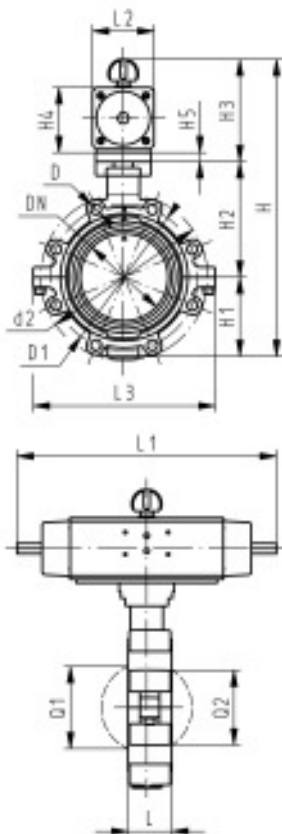
Butterfly valves pneumatic SYGEF® ANSI

SYGEF® standard
Lugstyle butterfly valve type 242 ANSI
FC (Fail safe to close)
Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<)



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	50	63	10	1470	199 242 462
2 ½	65	75	10	2200	199 242 463
3	80	90	10	3000	199 242 464
4	100	110	10	6500	199 242 465
5	125	140	10	11500	199 242 466
6	150	160	10	16600	199 242 467
8	200	225	10	39600	199 242 468

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-30 FC	UNC 5/8	121	150	328	77	134	117	70	15	45	276	65
2 ½	PA-30 FC	UNC 5/8	140	170	340	83	140	117	70	15	46	276	65
3	PA-35 FC	UNC 5/8	153	177	361	89	146	126	78	15	49	326	72
4	PA-40 FC	UNC 5/8	191	216	400	104	167	129	86		56	370	80
5	PA-45 FC	UNC 3/4	216	246	437	117	181	139	96		64	411	90
6	PA-50 FC	UNC 3/4	242	273	468	130	189	149	106		72	423	100
8	PA-55 FC	UNC 3/4	299	334	529	158	210	161	118		73	452	112

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

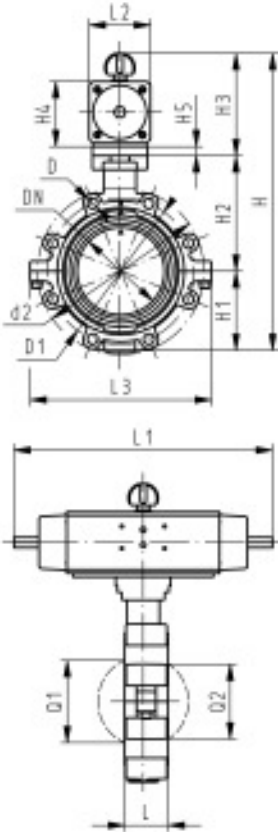


SYGEF® standard
Lugstyle butterfly valve type 242 ANSI
FO (Fail safe to open)
Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	50	63	10	1470	199 242 482
2 ½	65	75	10	2200	199 242 483
3	80	90	10	3000	199 242 484
4	100	110	10	6500	199 242 485
5	125	140	10	11500	199 242 486
6	150	160	10	16600	199 242 487
8	200	225	10	39600	199 242 488

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-30 FO	UNC 5/8	121	150	328	77	134	117	70	15	45	276	65
2 ½	PA-30 FO	UNC 5/8	140	170	340	83	140	117	70	15	46	276	65
3	PA-35 FO	UNC 5/8	153	177	361	89	146	126	78	15	49	326	72
4	PA-40 FO	UNC 5/8	191	216	400	104	167	129	86		56	370	80
5	PA-45 FO	UNC 3/4	216	246	437	117	181	139	96		64	411	90
6	PA-50 FO	UNC 3/4	242	273	468	130	189	149	106		72	423	100
8	PA-55 FO	UNC 3/4	299	334	529	158	210	161	118		73	452	112

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

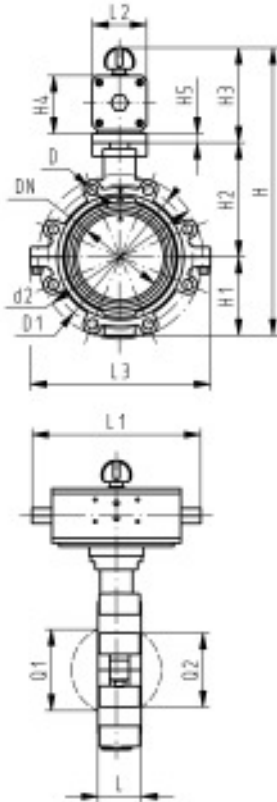


SYGEF® standard
Lugstyle butterfly valve type 242 ANSI
DA (Double acting)
Without manual override



Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
2	50	63	10	1470	199 242 502
2 ½	65	75	10	2200	199 242 503
3	80	90	10	3000	199 242 504
4	100	110	10	6500	199 242 505
5	125	140	10	11500	199 242 506
6	150	160	10	16600	199 242 507
8	200	225	10	39600	199 242 508

Inch	Actuator unit type	D	D1 [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]
2	PA-35 DA	UNC 5/8	121	150	318	77	134	107	60	15	45	177	55
2 ½	PA-35 DA	UNC 5/8	140	170	330	83	140	107	60	15	46	177	55
3	PA-40 DA	UNC 5/8	153	177	348	89	146	113	66	15	49	190	60
4	PA-45 DA	UNC 5/8	191	216	373	104	167	102	71		56	198	65
5	PA-45 DA	UNC 3/4	216	246	409	117	181	111	78		64	235	72
6	PA-55 DA	UNC 3/4	242	273	448	130	189	129	86		72	250	80
8	PA-55 DA	UNC 3/4	299	334	507	158	210	139	96		73	279	90

Inch	L3 [mm]	Q1 [mm]	Q2 [mm]
2	150	40	
2 ½	160	54	35
3	175	67	50
4	244	88	74
5	272	113	97
6	297	139	123
8	360	178	169

Assembly parts for butterfly valves

Intermediate element
Pneumatic type 240 / 241 / 242
Without manual override



d	DN	Type	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

Code

198 000 595
 198 000 596
 198 000 600
 198 000 597
 198 000 598
 198 000 599

Intermediate element
Electric type 140 / 141 / 142
Without manual override



d	DN	Type	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

Code

198 000 601
 198 000 602
 198 000 603

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

**Intermediate element
Gear operated with handwheel 567 / 568**



d	DN	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

d [mm]	DN [mm]	Code	
63	50	198 000 621	
110	100	198 000 622	

Flange Adaptor

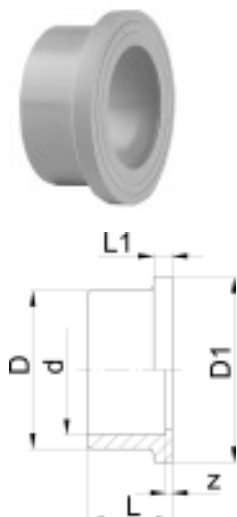
PVC-U

Flange adaptor PVC-U

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	16	721 790 111	77	90	41	9	3	
75	65	16	721 790 112	91	106	47	10	3	
90	80	16	721 790 113	108	125	56	11	5	
110	100	16	721 790 114	131	150	66	12	5	
140	125	16	721 790 116	165	188	81	14	5	
160	150	16	721 790 117	188	213	91	16	5	
225	200	10	721 790 120	248	274	125	25	6	

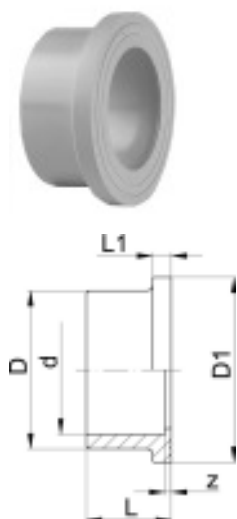
PVC-C

Flange adaptor PVC-C

Jointing face flat / serrated metric

Model:

- Solvent cement socket metric



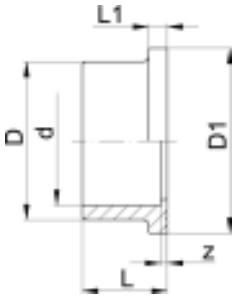
d [mm]	DN [mm]	PN	Code	z [mm]	D [mm]	D1 [mm]	L [mm]	L1 [mm]	
63	50	16	723 790 111	3	76	90	41	9	
75	65	16	723 790 112	3	91	106	47	10	
90	80	16	723 790 113	5	108	125	56	11	
110	100	16	723 790 114	5	131	150	66	12	
160	150	16	723 790 117	5	188	213	91	16	
225	200	10	723 790 120	6	248	274	125	25	



ABS Flange adaptor ABS metric Jointing face flat / serrated metric

Model:

- Solvent cement socket metric



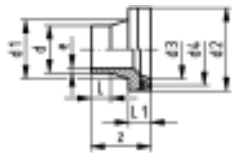
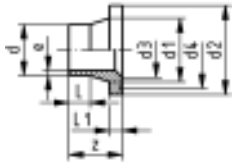
d [mm]	DN [mm]	PN	Code	D [mm]	D1 [mm]	L [mm]	L1 [mm]	z [mm]
63	50	10	729 790 111	76	90	41	9	3
75	65	10	729 790 112	91	106	47	10	3
90	80	10	729 790 113	108	125	56	11	5
110	100	10	729 790 114	131	150	66	12	5
140	125	10	729 790 116	165	188	81	14	5
160	150	10	729 790 117	188	213	91	16	5
225	200	10	729 790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



PP-H Special flange adaptor PP-H S8,3/SDR17,6 Jointing face flat / serrated

Model:

- Conventional butt fusion according to DVS2207
- In connection with +GF+ butterfly valves, chamfered and ready for use



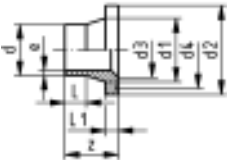
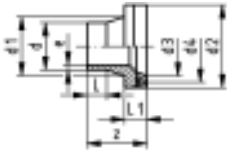
d [mm]	DN [mm]	Code	D [mm]	D1 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
63	50	727 798 536	75	102	50	14	18	3,6
75	65	727 798 412	89	122	80	16	43	4,3
90	80	727 798 413	105	138	80	17	41	5,1
110	100	727 798 414	125	158	80	18	40	6,3
140	125	727 798 541	155	188	80	18	34	8,0
160	150	727 798 842	175	212	92	18	41	9,1
225	200	727 798 845	235	268	100	24	44	12,8



PP-H Special flange adaptor PP-H S5/SDR11 Joining face flat / serrated

Model:

- Conventional butt fusion according to DVS2207
- In connection with +GF+ butterfly valves, chamfered and ready for use



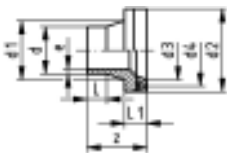
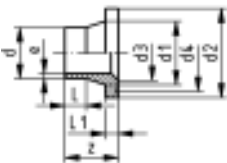
d [mm]	DN [mm]	Code	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
63	50	727 798 511	75	102		68	14	38	5,8
75	65	727 798 812				43	16		6,8
90	80	727 798 813				28	17		8,2
110	100	727 798 814				28	18		10,0
140	125	727 798 816				37	25		12,7
160	150	727 798 817				41	25		14,6
225	200	727 798 820				36	32		20,5



PE Special flange adaptor PE100 S8,3/SDR17,6 Joining face flat / serrated

Model:

- Conventional butt fusion according to DVS2207
- In connection with +GF+ butterfly valves, chamfered and ready for use



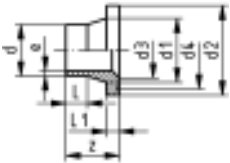
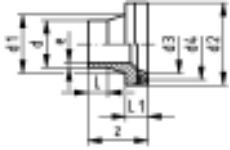
d [mm]	DN [mm]	Code	D [mm]	D1 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
63	50	753 798 536	75	102	50	14	18	3,6
75	65	753 798 512	89	122	80	16	14	4,3
90	80	753 798 513	105	138	80	17	43	5,1
110	100	753 798 514	125	158	80	18	37	6,3
140	125	753 798 541	155	188	80	18	34	8,0
160	150	753 798 842	175	212	80	18	34	9,1
225	200	753 798 845	235	268	100	24	46	12,8



PE Special flange adaptor PE100 S5/SDR11 Joining face flat / serrated

Model:

- Conventional butt fusion according to DVS2207
- In connection with +GF+ butterfly valves, chamfered and ready for use



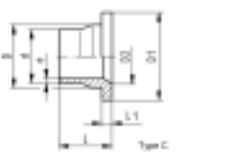
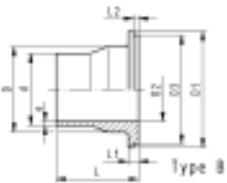
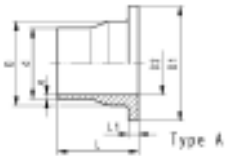
d [mm]	DN [mm]	Code	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
63	50	753 798 611	75	102		63	14	31	5,8
75	65	753 798 812				27	16		6,8
90	80	753 798 813				28	17		8,2
110	100	753 798 814				28	18		10,0
140	125	753 798 816				37	25		12,7
160	150	753 798 817				40	25		14,6
225	200	753 798 820				28	32		20,5



SYGEF® standard Flange adaptor PVDF Joining 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	133	3.0	72	9	4	A
75	65	16	735 798 812	89	122	66		3.6	80	10		A
90	80	16	735 798 813	105	138	78	4.3	81	12	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	203	10.8	102	22	C		

Flange

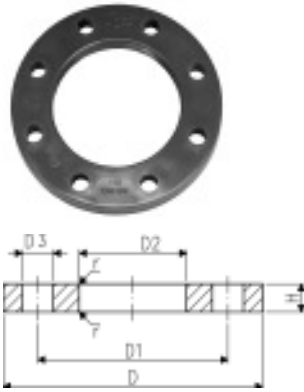
21 70 00

Backing flange PVC-U metric

Model:

- For socket systems
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10

* Connecting dimension: ISO 2536



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

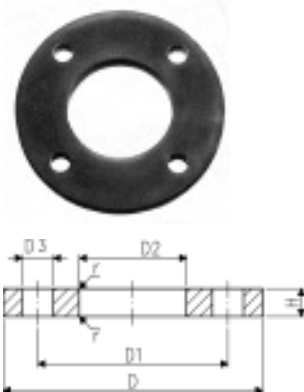
21 70 22

Backing flange PVC-U Inch ASTM / ANSI

Model:

- For socket systems
- For Flange Adaptors BS (ANSI)
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), 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
	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
*110	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
*160	150	6	10	161 483 181	285	241	190	22	28	4	8
	200	8	10	721 702 220	340	298	250	22	32	4	8

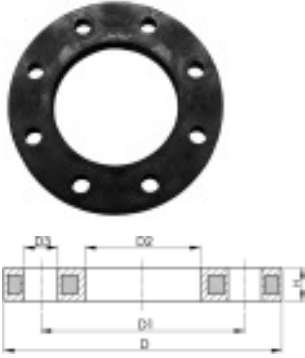
27 70 02

Backing flange PP/Steel For socket systems metric

Model:

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

* Connecting dimension: ISO 2536



d [mm]	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	18	4	M16
75	65	16	727 700 212	185	145	92	18	18	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	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

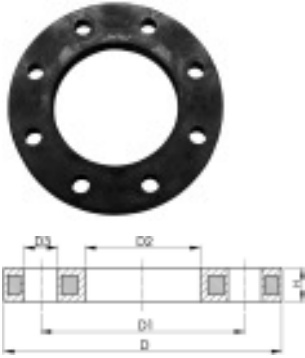
27 70 12

Backing flange PP/Steel For socket systems Inch/ANSI

Model:

- For socket systems
- For Flange Adaptors BS (ANSI)
- Material: PP (30 % glass-fibre reinforced) with steel ring
- Connecting dimension ANSI B 16.5 / ASTM D 4024

• DN100 and DN150: only for use with original metric flange adaptors



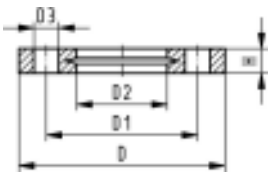
d [mm]	DN [mm]	Inch	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL
63	50	2	16	727 701 211	165	121	78	19	18	4
75	65	2 1/2	16	727 701 212	185	140	92	19	18	4
90	80	3	16	727 701 213	200	152	110	19	20	4
110	100	4	16	727 701 214	229	190	133	19	20	8
180	150	6	16	727 701 217	285	241	190	22	24	8
200	200	8	16	727 701 220	340	298	250	22	27	8

27 70 04
27 70 05

Backing flange 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 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10



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

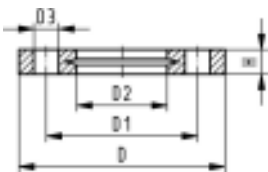
d [mm]	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
63	50	16	727 700 411	165	125	78	18	24	4	M16
75	65	16	727 700 412	185	145	92	18	26	4	M16
90	80	16	727 700 413	200	160	110	18	27	8	M16
110	100	16	727 700 414	220	180	133	18	28	8	M16
140	125	16	727 700 416	250	210	167	18	30	8	M16
160	150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

27 70 14
27 70 15

Backing flange 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
- Connection dimensions according to ANSI B 16.5, ASTM D 4024; bolt circle class 150



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

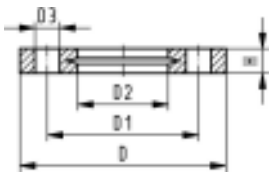
d [mm]	DN [mm]	Inch	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
	50	2	16	727 701 411	165	121	78	19	24	4	M16
	65	2 ½	16	727 701 412	185	140	92	19	26	4	M16
	80	3	16	727 701 413	200	152	110	19	27	4	M16
	100	4	16	727 701 414	229	190	133	19	28	8	M16
160	150	6	16	727 700 417	285	241	190	22	32	8	M20
225	200	9	16	727 700 420	340	295	250	22	34	8	M20

27 70 04
27 70 05

Backing flange 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 PN 10, EN 1092 PN 10, DIN 2501 PN 10, BS 4504 PN 10



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

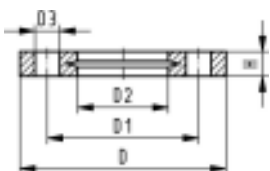
d [mm]	DN [mm]	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
63	50	16	727 700 411	165	125	78	18	24	4	M16
75	65	16	727 700 412	185	145	92	18	26	4	M16
90	80	16	727 700 513	200	160	108	18	27	8	M16
125	100	16	727 700 515	220	180	135	18	28	8	M16
140	125	16	727 700 516	250	210	158	18	30	8	M16
160	150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

27 70 14
27 70 15

Backing flange 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
- Connection dimensions according to ANSI B 16.5, ASTM D 4024; bolt circle class 150



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

d [mm]	DN [mm]	Inch	PN	Code	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	AL	SC
	50	2	16	727 701 411	165	121	78	19	24	4	M16
	65	2 ½	16	727 701 412	185	140	92	19	26	4	M16
	80	3	16	727 701 513	200	152	108	19	27	4	M16
	100	4	16	727 701 514	229	190	128	19	28	8	M16
160	150	6	16	727 700 517	285	241	178	22	32	8	M20
225	200	9	16	727 700 520	340	295	238	22	34	8	M20

Seals

EPDM 48 40 01
FPM 49 40 01

Flat gasket

Model:

- G-ST-P/K Profil
- Hardness: 70° Shore **EPDM**, 75° Shore **FPM**



d [mm]	DN [mm]	EPDM Code	FPM Code	D [mm]	D1 [mm]	H [mm]	H1 [mm]
50		748 440 105	749 440 105	92		4	3
63		748 440 106	749 440 106	107		5	4
75		748 440 107	749 440 107	127		5	4
90		748 440 108	749 440 108	142		5	4
110		748 440 109	749 440 109	162		6	5
140		748 440 111	749 440 111	192		6	5
160		748 440 112	749 440 112	218		8	6

EPDM 48 40 01
FPM 49 40 01

Flat gasket

Model:

- Hardness approx. 65° Shore



d [mm]	DN [mm]	Inch	PN	EPDM Code	FPM Code	D [mm]	D1 [mm]	H [mm]
63	50	2	10	748 400 020	749 400 020	88	63	3
75	65	2 ½	10	748 400 021	749 400 021	104	75	3
90	80	3	10	748 400 022	749 400 022	123	90	3
110	100	4	10	748 400 023	749 400 023	148	110	4
140	125	5	10	748 400 025	749 400 025	186	140	4
160	150	6	10	748 400 026	749 400 026	211	160	4
225	200	8	6	748 400 027	749 400 027	272	220	5

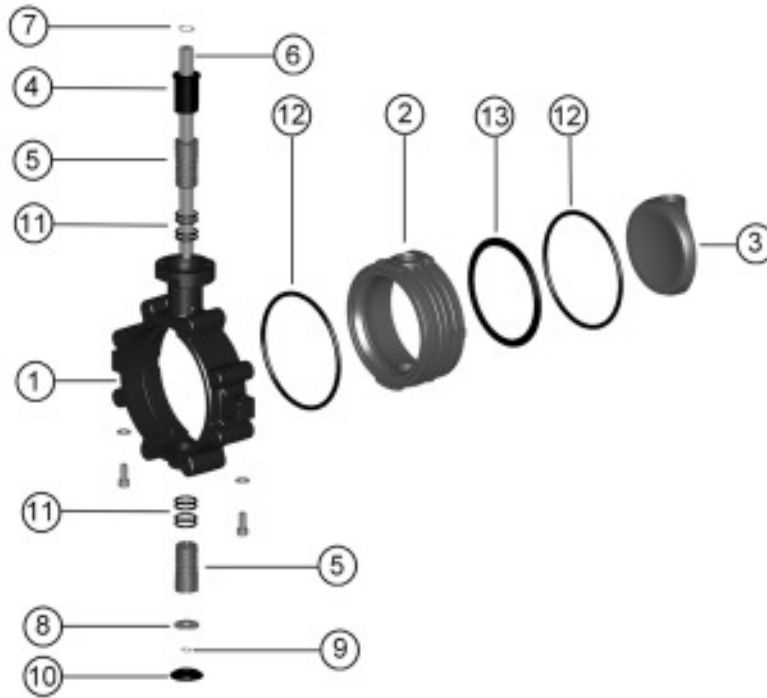
Option

Hand lever with fine adjustment to type 567/568



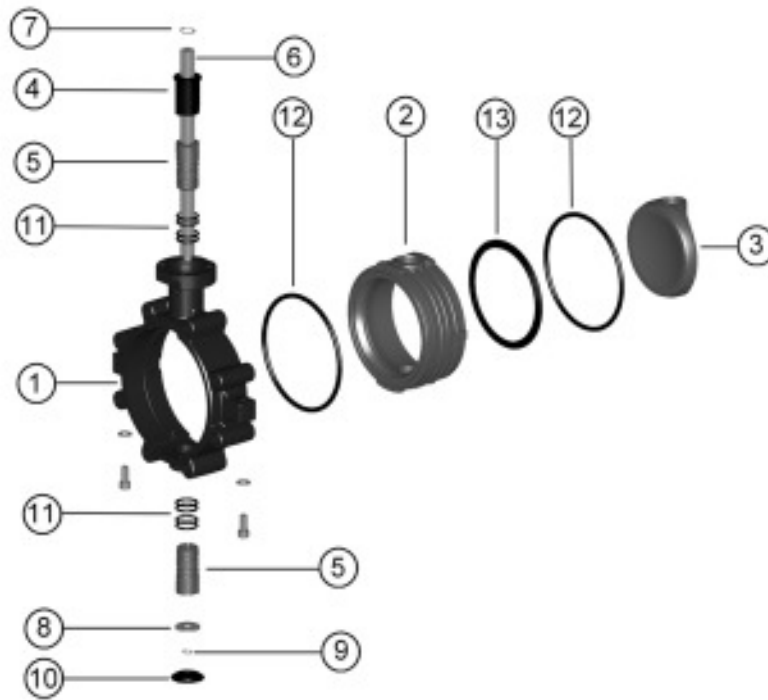
Size	DN-DN [mm]	Code	
1	50 - 80	161 486 325	
2	100 - 125	161 486 326	
2	- 150	161 486 327	
3	- 200	161 486 328	

Spare parts for butterfly valve type 568 PVC-U Hand lever with index plate



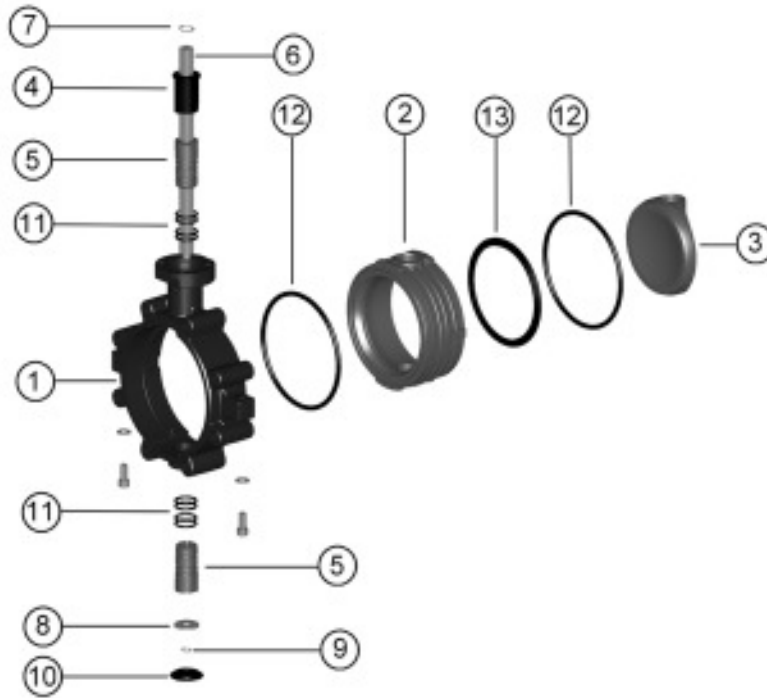
No.	Article / Material	Pieces	d63 DN50	d75 DN65	d90 DN80	d110 DN100	d140 DN125	d160 DN150	d225 DN200
3	Disc PVC-U	1	161 490 889	161 490 890	161 490 891	161 490 892	161 490 893	161 490 894	161 490 895
5	Bearing bush	2	161 486 886	161 486 886	161 486 886	161 486 887	161 486 887	161 486 888	161 486 888
11	Bush PVC-U	2							
11	O-ring EPDM	2							
5	Bearing bush	2	161 486 892	161 486 892	161 486 892	161 486 893	161 486 893	161 486 894	161 486 894
5	Bush PVC-U	2							
11	O-ring FPM	2							
2	Inner body	1	161 486 861	161 486 862	161 486 863	161 486 864	161 486 865	161 486 866	161 486 867
13	Body PVC-U	1							
13	Profile seal EPDM	1							
2	Inner body	1	161 486 873	161 486 874	161 486 875	161 486 876	161 486 877	161 486 878	161 486 879
2	Body PVC-U	1							
13	Profile seal FPM	1							
12	Flange gasket EPDM	2	161 486 959	161 486 960	161 486 961	161 486 962	161 486 963	161 486 964	161 486 965
12	Flange gasket FPM	2	161 486 979	161 486 980	161 486 981	161 486 982	161 486 983	161 486 984	161 486 985
4	End stop PP Glasfiber Reinforced	1	167 486 251	167 486 251	167 486 251	167 483 252	167 483 252	167 483 253	167 483 253
6	Shaft set	1	161 486 899	161 486 900	161 486 901	161 486 902	161 486 903	161 486 904	161 486 905
6	Shaft Chrom Steel 1.4301 AISI 304	1							
7+9	Retention ring	2							
8	Washer	1							
	Lever with index plate	1	161 486 690	161 486 690	161 486 690	161 486 691	161 486 691	161 486 694	161 486 695

Spare parts for butterfly valve type 568 PVC-C Hand lever with index plate



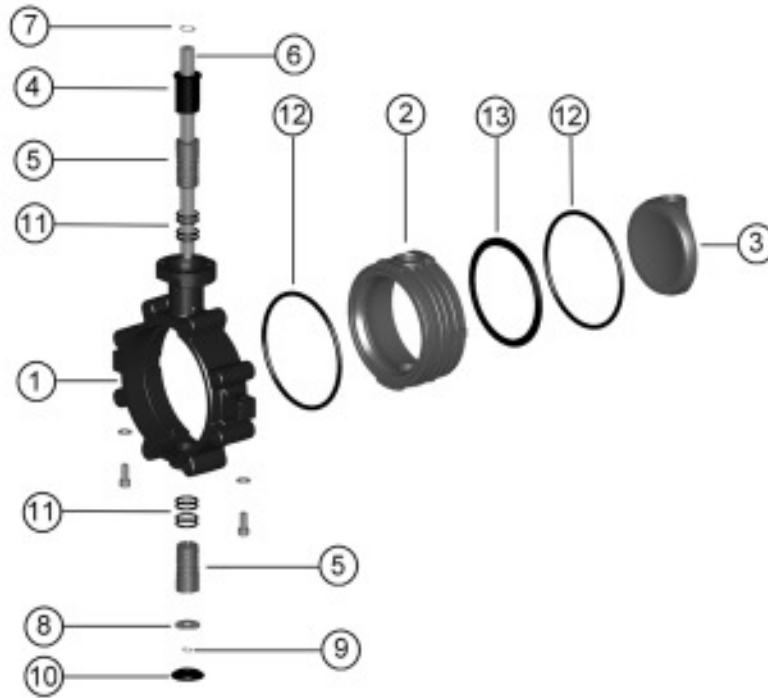
No.	Article / Material	Pieces	d63 DN50	d75 DN65	d90 DN80	d110 DN100	d140 DN125	d160 DN150	d225 DN200
3	Disc PVC-C	1	163 481 451	163 481 452	163 481 453	163 481 454	163 481 455	163 481 456	163 481 457
5	Bearing bush	2	163 481 576	163 481 576	163 481 576	163 481 577	163 481 577	163 481 578	163 481 578
11	Bush PVC-C O-ring EPDM								
5	Bearing bush	2	163 481 582	163 481 582	163 481 582	163 481 583	163 481 583	163 481 584	163 481 584
11	Bush PVC-C O-ring FPM								
2	Inner body	1	163 481 591	163 481 592	163 481 593	163 481 594	163 481 595	163 481 596	163 481 597
13	Body PVC-C Profile seal EPDM								
2	Inner body	1	163 481 603	163 481 604	163 481 605	163 481 606	163 481 607	163 481 608	163 481 609
13	Body PVC-C Profile seal FPM								
12	Flange gasket EPDM	2	161 486 959	161 486 960	161 486 961	161 486 962	161 486 963	161 486 964	161 486 965
12	Flange gasket FPM	2	161 486 979	161 486 980	161 486 981	161 486 982	161 486 983	161 486 984	161 486 985
4	End stop PP Glasfiber Reinforced	1	167 486 251	167 486 251	167 486 251	167 483 252	167 483 252	167 483 253	167 483 253
6	Shaft set	1	161 486 899	161 486 900	161 486 901	161 486 902	161 486 903	161 486 904	161 486 905
7+9	Shaft Chrom Steel 1.4301 AISI 304 Retention ring		2						
8	Washer	1							
	Lever with index plate	1	161 486 690	161 486 690	161 486 690	161 486 691	161 486 691	161 486 694	161 486 695

Spare parts for butterfly valve type 568 ABS Hand lever with index plate



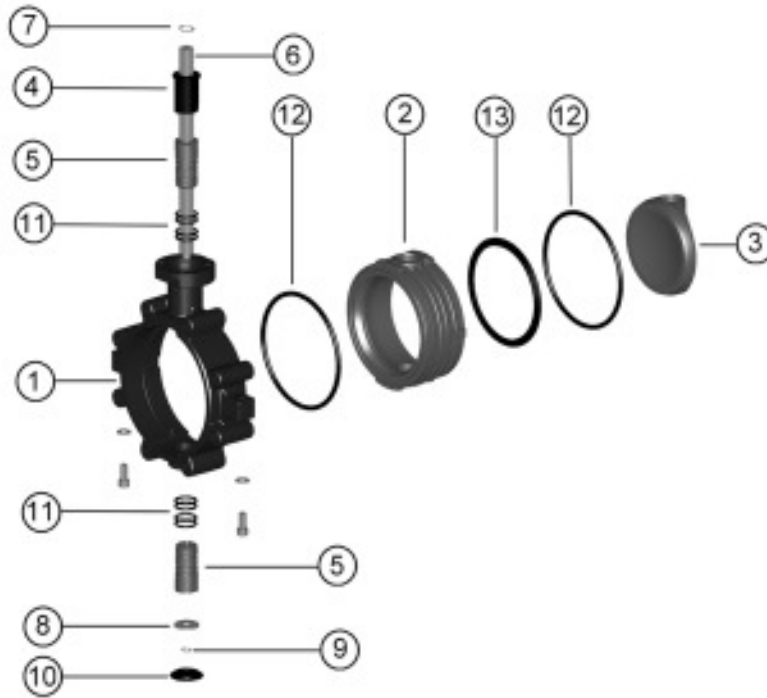
No.	Article / Material	Pieces	d63 DN50	d75 DN65	d90 DN80	d110 DN100	d140 DN125	d160 DN150	d225 DN200
3	Disc ABS	1	169 480 951	169 480 952	169 480 953	169 480 954	169 480 955	169 480 956	169 480 957
5	Bearing bush	2	167 484 259	167 484 259	167 484 259	167 484 260	167 484 260	167 484 261	167 484 261
11	Bush PP-H	2							
11	O-ring EPDM	2							
5	Bearing bush	2	167 484 265	167 484 265	167 484 265	167 484 266	167 484 266	167 484 267	167 484 267
5	Bush PP-H	2							
11	O-ring FPM	2							
2	Inner body	1	169 481 067	169 481 068	169 481 069	169 481 070	169 481 071	169 481 072	169 481 073
13	Body ABS	1							
13	Profile seal EPDM	1							
12	Flange gasket EPDM	2	161 486 959	161 486 960	161 486 961	161 486 962	161 486 963	161 486 964	161 486 965
12	Flange gasket FPM	2	161 486 979	161 486 980	161 486 981	161 486 982	161 486 983	161 486 984	161 486 985
4	End stop PP Glasfiber Reinforced	1	167 486 251	167 486 251	167 486 251	167 483 252	167 483 252	167 483 253	167 483 253
6	Shaft set	1	161 486 899	161 486 900	161 486 901	161 486 902	161 486 903	161 486 904	161 486 905
7+9	Shaft Chrom Steel 1.4301 AISI 304	2							
8	Retention ring	2							
8	Washer	1							
	Lever with index plate	1	161 486 690	161 486 690	161 486 690	161 486 691	161 486 691	161 486 694	161 486 695

Spare parts for butterfly valve type 568 PVDF Hand lever with index plate



No.	Article / Material	Pieces	d63 DN50	d75 DN65	d90 DN80	d110 DN100	d140 DN125	d160 DN150	d225 DN200
3	Disc PVDF	1	175 483 251	175 483 252	175 483 253	175 483 254	175 483 255	175 483 256	175 483 257
5	Bearing bush	2	175 483 426	175 483 426	175 483 426	175 483 427	175 483 427	175 483 428	175 483 428
11	Bush PVDF O-ring FPM								
2	Inner body	1	175 483 413	175 483 414	175 483 415	175 483 416	175 483 417	175 483 418	175 483 419
13	Body PVDF Profile seal FPM								
12	Flange gasket EPDM	2	161 486 959	161 486 960	161 486 961	161 486 962	161 486 963	161 486 964	161 486 965
12	Flange gasket FPM	2	161 486 979	161 486 980	161 486 981	161 486 982	161 486 983	161 486 984	161 486 985
4	End stop PP Glasfiber Reinforced	1	167 486 251	167 486 251	167 486 251	167 483 252	167 483 252	167 483 253	167 483 253
6	Shaft set	1	161 486 899	161 486 900	161 486 901	161 486 902	161 486 903	161 486 904	161 486 905
7+9	Shaft Chrom Steel 1.4301 AISI 304 Retention ring		2						
8	Washer	1							
	Hand lever with index plate Lever	1	161 486 690	161 486 690	161 486 690	161 486 691	161 486 691	161 486 694	161 486 695

Spare parts for butterfly valve type 568 PP-H Hand lever with index plate



No.	Article / Material	Pieces	d63 DN50	d75 DN65	d90 DN80	d110 DN100	d140 DN125	d160 DN150	d225 DN200
3	Disc PP-H	1	167 483 226	167 483 227	167 483 228	167 483 229	167 483 230	167 483 231	167 483 232
5	Bearing bush	2	167 484 259	167 484 259	167 484 259	167 484 260	167 484 260	167 484 261	167 484 261
11	Bush PP-H	2							
11	O-ring EPDM								
5	Bearing bush	2	167 484 265	167 484 265	167 484 265	167 484 266	167 484 266	167 484 267	167 484 267
5	Bush PP-H	2							
11	O-ring FPM								
2	Inner body	1	167 484 271	167 484 272	167 484 273	167 484 274	167 484 275	167 484 276	167 484 277
13	Body PP-H	1							
13	Profile seal EPDM	1							
2	Inner body	1	167 484 286	167 484 287	167 484 288	167 484 289	167 484 290	167 484 291	167 484 292
2	Body PP-H	1							
13	Profile seal FPM	1							
12	Flange gasket EPDM	2	161 486 959	161 486 960	161 486 961	161 486 962	161 486 963	161 486 964	161 486 965
12	Flange gasket FPM	2	161 486 979	161 486 980	161 486 981	161 486 982	161 486 983	161 486 984	161 486 985
4	End stop PP Glasfiber Reinforced	1	167 486 251	167 486 251	167 486 251	167 483 252	167 483 252	167 483 253	167 483 253
6	Shaft set	1	161 486 899	161 486 900	161 486 901	161 486 902	161 486 903	161 486 904	161 486 905
6	Shaft Chrom Steel 1.4301 AISI 304	1							
7+9	Retention ring	2							
8	Washer	1							
	Lever with index plate	1	161 486 690	161 486 690	161 486 690	161 486 691	161 486 691	161 486 694	161 486 695

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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

- 2.1 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

- 11.1 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 (EX WORKS, 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 workmanship 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, overloading or overpressure, 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

- 16.1 All cases of breach of contract and the relevant consequences as well as all rights and claims on the part of the customer, irrespective of 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

- 17.1 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

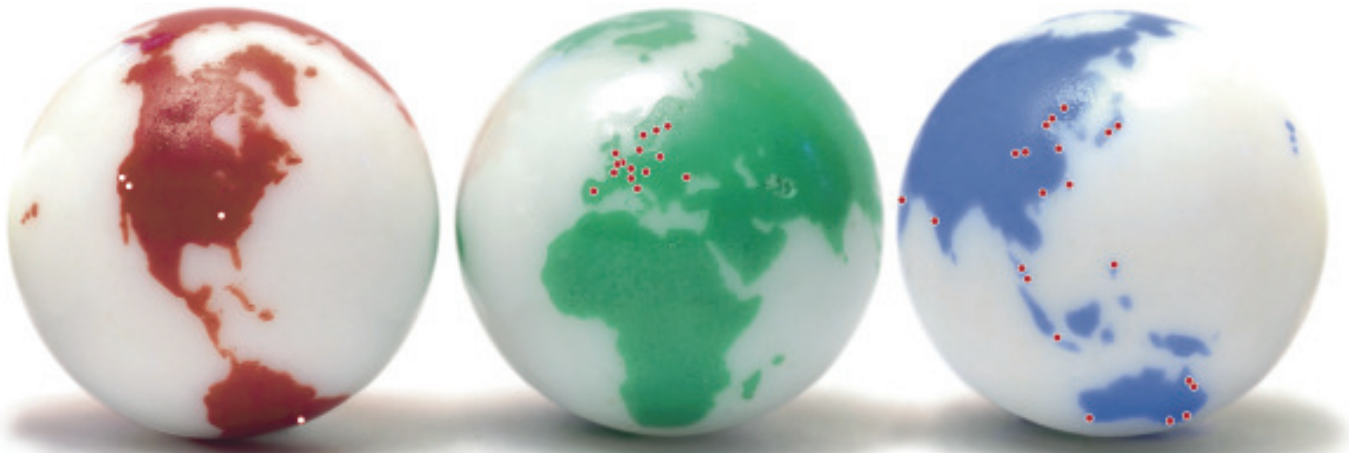
- 18.1 Place of performance for the Products shall be the Georg Fischer works from which the Products are despatched.
- 18.2 Any civil action based upon any alleged breach of this contract shall be filed and prosecuted exclusively in the courts of Schaffhausen, Switzerland.
Georg Fischer however reserves 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.

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