

Product Range International 2017

PP/PE Plastic Piping Systems



PROGEF Standard



- Pipes
- Socket Fusion System
- Butt Fusion System

Ball Valves 546

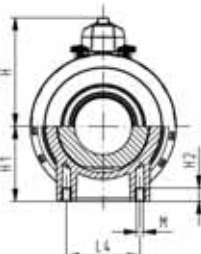
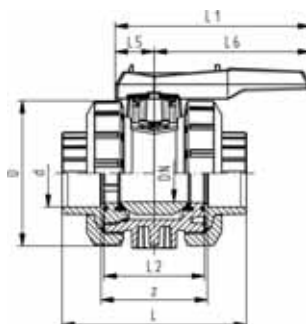
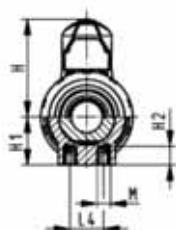
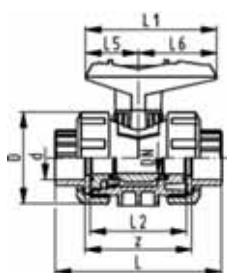
Ball valve type 546 PP-H With mounting inserts With fusion sockets metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

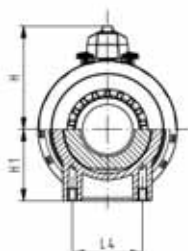
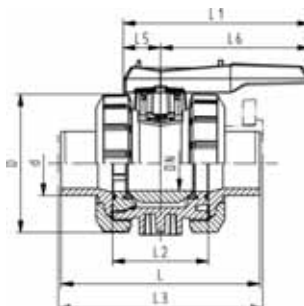
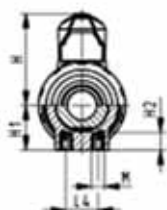
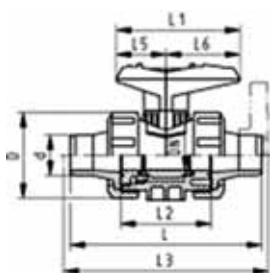


d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	71	167 546 401	167 546 411	0.115	
20	15	10	185	167 546 402	167 546 412	0.123	
25	20	10	350	167 546 403	167 546 413	0.184	
32	25	10	700	167 546 404	167 546 414	0.258	
40	32	10	1000	167 546 405	167 546 415	0.451	
50	40	10	1600	167 546 406	167 546 416	0.617	
63	50	10	3100	167 546 407	167 546 417	1.130	
75	65	10	5000	167 546 408	167 546 418	3.335	
90	80	10	7000	167 546 409	167 546 419	5.500	
110	100	10	11000	167 546 410	167 546 420	8.700	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
16	50	57	27	12	93	77	56	25	32	45	M6	67	
20	50	57	27	12	95	77	56	25	32	45	M6	66	
25	58	67	30	12	109	97	65	25	39	58	M6	77	
32	68	73	36	12	119	97	71	25	39	58	M6	83	
40	84	90	44	15	135	128	85	45	54	74	M8	99	
50	97	97	51	15	147	128	89	45	54	74	M8	105	
63	124	116	64	15	168	152	101	45	66	87	M8	117	
75	166	149	85	15	233	270	136	70	64	206	M8	167	
90	200	161	105	15	254	270	141	70	64	206	M8	180	
110	238	178	123	22	301	320	164	120	64	256	M12	215	



DN10/15 - 50



Ball valve type 546 PP-H With mounting inserts With socket fusion spigots metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)

Option:

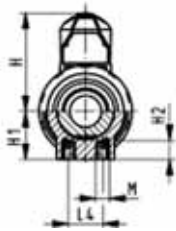
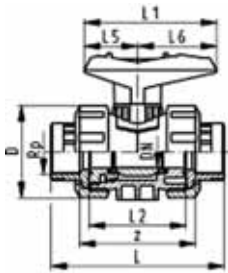
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	71	167 546 041	167 546 051	0.120	
20	15	10	185	167 546 042	167 546 052	0.120	
25	20	10	350	167 546 043	167 546 053	0.180	
32	25	10	700	167 546 044	167 546 054	0.260	
40	32	10	1000	167 546 045	167 546 055	0.450	
50	40	10	1600	167 546 046	167 546 056	0.640	
63	50	10	3100	167 546 047	167 546 057	1.210	
75	65	10	5000	167 546 048	167 546 058	3.800	
90	80	10	7000	167 546 049	167 546 059	5.600	
110	100	10	11000	167 546 050	167 546 060	8.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	
16	50	57	27	12	110	77	56		25	32	45	M6	
20	50	57	27	12	120	77	56	130	25	32	45	M6	
25	58	67	30	12	139	97	65	150	25	39	58	M6	
32	68	73	36	12	150	97	71	160	25	39	58	M6	
40	84	90	44	15	170	128	85	180	45	54	74	M8	
50	97	97	51	15	190	128	89	200	45	54	74	M8	
63	124	116	64	15	220	152	101	230	45	66	87	M8	
75	166	149	85	15	280	270	136	290	70	64	206	M8	
90	200	161	105	15	296	270	141	310	70	64	206	M8	
110	238	178	123	22	336	320	164	350	120	64	256	M12	



DN10/15 - 50



Ball valve type 546 PP-H With mounting inserts With threaded sockets reinforced Rp

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are not compatible with type 346

Option:

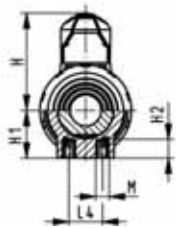
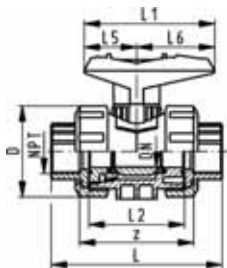
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	71	167 546 021	167 546 031	0.120	
1/2	15	10	185	167 546 022	167 546 032	0.120	
3/4	20	10	350	167 546 023	167 546 033	0.180	
1	25	10	700	167 546 024	167 546 034	0.270	
1 1/4	32	10	1000	167 546 025	167 546 035	0.460	
1 1/2	40	10	1600	167 546 026	167 546 036	0.635	
2	50	10	3100	167 546 027	167 546 037	1.190	

Rp [inch]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
3/8	50	57	27	12	96	77	56	25	32	45	M6	69	
1/2	50	57	27	12	99	77	56	25	32	45	M6	67	
3/4	58	67	30	12	111	97	65	25	39	58	M6	78	
1	68	73	36	12	127	97	71	25	39	58	M6	85	
1 1/4	84	90	44	15	146	128	85	45	54	74	M8	100	
1 1/2	97	97	51	15	157	128	89	45	54	74	M8	106	
2	124	116	64	15	183	152	101	45	66	87	M8	121	



DN10/15 - 50



Ball valve type 546 PP-H

With mounting inserts

With threaded sockets reinforced NPT

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are not compatible with type 346

Option:

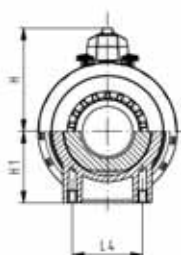
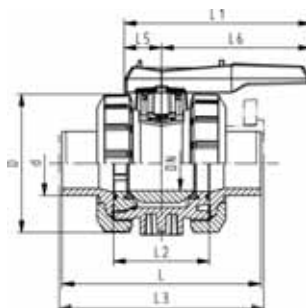
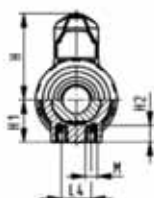
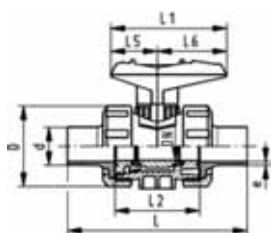
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

NPT [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	71	167 546 321	167 546 331	0.120	
1/2	15	10	185	167 546 322	167 546 332	0.120	
3/4	20	10	350	167 546 323	167 546 333	0.180	
1	25	10	700	167 546 324	167 546 334	0.270	
1 1/4	32	10	1000	167 546 325	167 546 335	0.460	
1 1/2	40	10	1600	167 546 326	167 546 336	0.635	
2	50	10	3100	167 546 327	167 546 337	1.190	

NPT [inch]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
3/8	50	57	27	12	96	77	56	25	32	45	M6	71	
1/2	50	57	27	12	99	77	56	25	32	45	M6	64	
3/4	58	67	30	12	111	97	65	25	39	58	M6	76	
1	68	73	36	12	127	97	71	25	39	58	M6	83	
1 1/4	84	90	44	15	146	128	85	45	54	74	M8	100	
1 1/2	97	97	51	15	157	128	89	45	54	74	M8	111	
2	124	116	64	15	183	152	101	45	66	87	M8	134	



DN10/15 - 50



Ball valve type 546 PP-H With mounting inserts With butt fusion spigots IR-Plus SDR11 metric

Model:

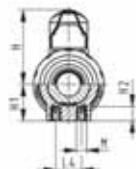
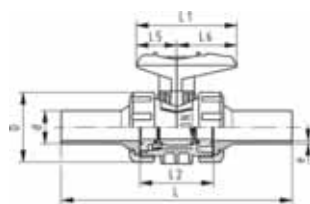
- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	185	167 546 442	167 546 452	0.123	
25	20	10	350	167 546 443	167 546 453	0.185	
32	25	10	700	167 546 444	167 546 454	0.263	
40	32	10	1000	167 546 445	167 546 455	0.456	
50	40	10	1600	167 546 446	167 546 456	0.642	
63	50	10	3100	167 546 447	167 546 457	1.180	
75	65	10	5000	167 546 448	167 546 458	2.602	
90	80	10	7000	167 546 449	167 546 459	5.500	
110	100	10	11000	167 546 450	167 546 460	8.700	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
20	50	57	27	12	130	77	56	25	32	45	M6	1.9	
25	58	67	30	12	143	97	65	25	39	58	M6	2.3	
32	68	73	36	12	150	97	71	25	39	58	M6	2.9	
40	84	90	44	15	171	128	85	45	54	74	M8	3.7	
50	97	97	51	15	191	128	89	45	54	74	M8	4.6	
63	124	116	64	15	220	152	101	45	66	87	M8	5.8	
75	166	149	85	15	266	270	136	70	64	206	M8	6.8	
90	200	161	105	15	264	270	141	70	64	206	M8	8.2	
110	238	178	123	22	301	320	164	120	64	256	M12	10.0	



Ball valve type 546 PP-H

With mounting inserts

With butt fusion spigots long SDR11 metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are not compatible with type 346

Option:

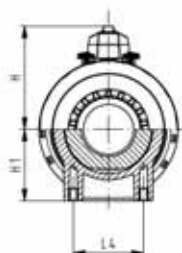
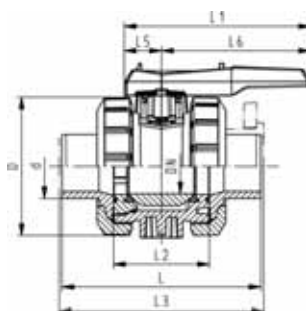
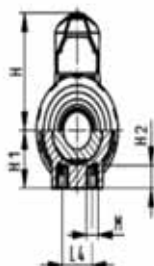
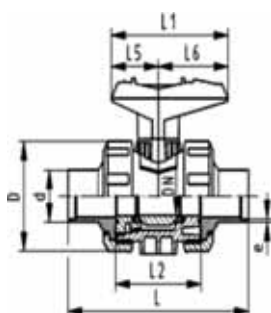
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	185	167 546 262	167 546 272	0.130	
25	20	10	350	167 546 263	167 546 273	0.195	
32	25	10	700	167 546 264	167 546 274	0.280	
40	32	10	1000	167 546 265	167 546 275	0.480	
50	40	10	1600	167 546 266	167 546 276	0.700	
63	50	10	3100	167 546 267	167 546 277	1.288	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
20	50	57	27	12	193	77	56	25	32	45	M6	2,3	
25	58	67	30	12	216	97	65	25	39	58	M6	2,3	
32	68	73	36	12	223	97	71	25	39	58	M6	2,9	
40	84	90	44	15	249	128	85	45	54	74	M8	3,7	
50	97	97	51	15	271	128	89	45	54	74	M8	4,6	
63	124	116	64	15	321	152	101	45	66	87	M8	5,8	



DN10/15 - 50



Ball valve type 546 PP-H With mounting inserts With butt fusion spigots SDR17.6 metric

Model:

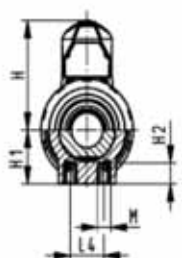
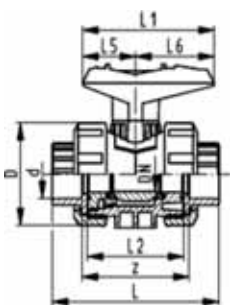
- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
50	40	6	1600	167 546 066	167 546 076	0.635	
63	50	6	3100	167 546 067	167 546 077	1.200	
75	65	6	5000	167 546 068	167 546 078	3.387	
90	80	6	7000	167 546 069	167 546 079	5.500	
110	100	6	11000	167 546 070	167 546 080	8.600	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
50	97	97	51	15	191	128	89	45	54	74	M8	2,9	
63	124	116	64	15	220	152	101	45	66	87	M8	3,6	
75	166	149	85	15	266	270	136	70	64	206	M8	4,7	
90	200	161	105	15	264	270	141	70	64	206	M8	5,5	
110	238	178	123	22	301	320	164	120	64	256	M12	6,8	



Ball valve type 546 PP-H With mounting inserts With fusion sockets PE100 metric

Model:

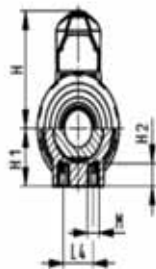
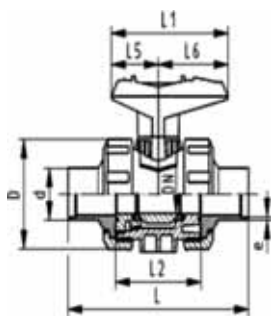
- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are not compatible with type 346

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	71	167 546 161	167 546 171	0.120	
20	15	10	185	167 546 162	167 546 172	0.120	
25	20	10	350	167 546 163	167 546 173	0.180	
32	25	10	700	167 546 164	167 546 174	0.260	
40	32	10	1000	167 546 165	167 546 175	0.450	
50	40	10	1600	167 546 166	167 546 176	0.630	
63	50	10	3100	167 546 167	167 546 177	1.195	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
16	50	57	27	12	93	77	56	25	32	45	M6	67	
20	50	57	27	12	95	77	56	25	32	45	M6	67	
25	58	67	30	12	109	97	65	25	39	58	M6	77	
32	68	73	36	12	119	97	71	25	39	58	M6	83	
40	84	90	44	15	135	128	85	45	54	74	M8	99	
50	97	97	51	15	147	128	89	45	54	74	M8	105	
63	124	116	64	15	168	152	101	45	66	87	M8	113	



Ball valve type 546 PP-H

With mounting inserts

With butt fusion spigots PE100 SDR11 metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are not compatible with type 346

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

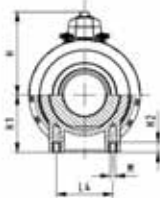
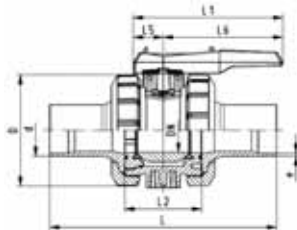
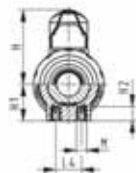
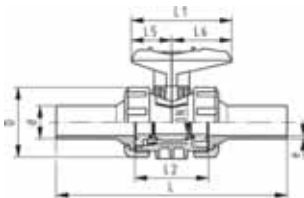
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	185	167 546 142	167 546 152	0.120	
25	20	10	350	167 546 143	167 546 153	0.180	
32	25	10	700	167 546 144	167 546 154	0.255	
40	32	10	1000	167 546 145	167 546 155	0.440	
50	40	10	1600	167 546 146	167 546 156	0.620	
63	50	10	3100	167 546 147	167 546 157	1.200	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
20	50	57	27	12	130	77	56	130	25	32	45	M6	1,9	
25	58	67	30	12	143	97	65	150	25	39	58	M6	2,3	
32	68	73	36	12	150	97	71	160	25	39	58	M6	2,9	
40	84	90	44	15	171	128	85	180	45	54	74	M8	3,7	
50	97	97	51	15	191	128	89	200	45	54	74	M8	4,6	
63	124	116	64	15	220	152	101	230	45	66	87	M8	5,8	

Ball valve type 546 PP-H **With mounting inserts** **With butt fusion spigots long PE100 SDR11 metric**



DN10/15 - 50



Model:

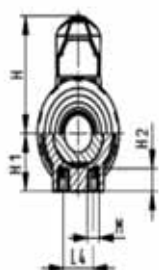
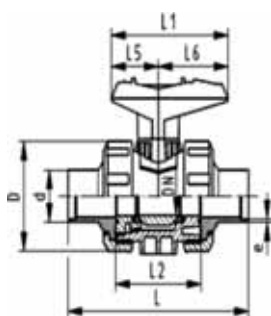
- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	185	167 546 282	167 546 292	0.130	
25	20	10	350	167 546 283	167 546 293	0.195	
32	25	10	700	167 546 284	167 546 294	0.280	
40	32	10	1000	167 546 285	167 546 295	0.485	
50	40	10	1600	167 546 286	167 546 296	0.695	
63	50	10	3100	167 546 287	167 546 297	1.309	
75	65	10	5000	167 546 288	167 546 298	3.900	
90	80	10	7000	167 546 289	167 546 299	5.900	
110	100	10	11000	167 546 290	167 546 300	9.300	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
20	50	57	27	12	193	77	56	25	32	45	M6	2,3	
25	58	67	30	12	216	97	65	25	39	58	M6	2,3	
32	68	73	36	12	223	97	71	25	39	58	M6	2,9	
40	84	90	44	15	249	128	85	45	54	74	M8	3,7	
50	97	97	51	15	271	128	89	45	54	74	M8	4,6	
63	124	116	64	15	321	152	101	45	66	87	M8	5,8	
75	166	149	85	15	386	270	136	70	64	206	M8	6,8	
90	200	161	105	15	421	270	141	70	64	206	M8	8,2	
110	238	178	123	22	484	320	164	120	64	256	M12	10,0	



Ball valve type 546 PP-H With mounting inserts With butt fusion spigots PE100 SDR17.6 metric

Model:

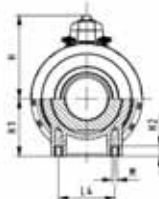
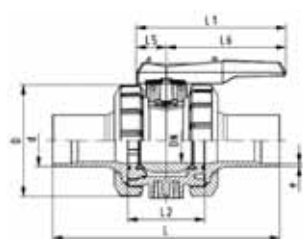
- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are not compatible with type 346

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
50	40	6	1600	167 546 126	167 546 136	0.620	
63	50	6	3100	167 546 127	167 546 137	1.200	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
50	97	97	51	15	191	128	89	45	54	74	M8	2,9	
63	124	116	64	15	220	152	101	45	66	87	M8	3,6	



PROGEF Standard Ball valve type 546 With mounting inserts With butt fusion spigots long PE100 SDR17,6 metric

Model:

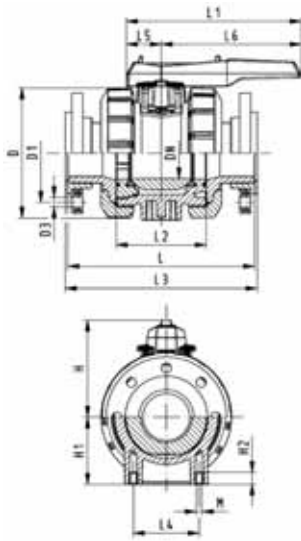
- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	10	5000	167 546 308	167 546 318	3.900	
90	80	10	7000	167 546 309	167 546 319	2.026	
110	100	10	11000	167 546 310	167 546 320	9.200	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
75	166	149	85	15	386	270	136	70	64	206	8	4.3	
90	200	161	105	15	421	270	141	70	64	206	8	5.1	
110	238	178	123	22	484	320	164	120	64	256	12	6.3	



PROGEF Standard Ball valve type 546 With mounting inserts With backing flanges PP-st metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Overall length according to EN 558
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501

Option:

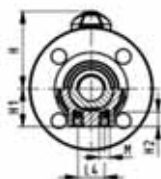
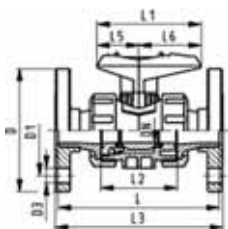
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
75	65	10	5000	167 546 808	167 546 818	5.417								
90	80	10	7000	167 546 809	167 546 819	7.941								
110	100	10	11000	167 546 810	167 546 820	9.928								

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	M	
75	166	145	18	280	270	136	290	70	64	206	149	85	8	
90	200	160	18	296	270	141	310	70	64	206	161	105	8	
110	238	180	18	336	320	164	350	120	64	256	178	123	12	



DN10/15 - 50



PROGEF Standard

Ball valve type 546

With mounting inserts

With fixed flanges PP-H serrated metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are not compatible with type 346
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- Overall length EN 558

Option:

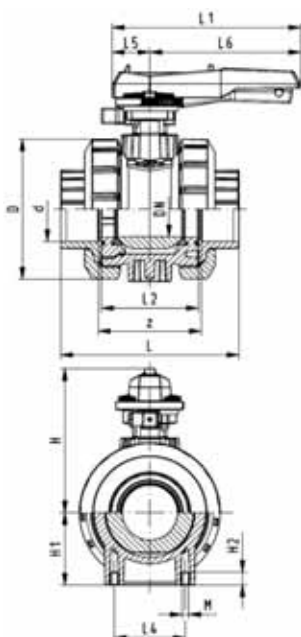
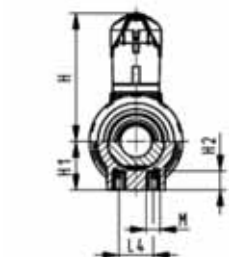
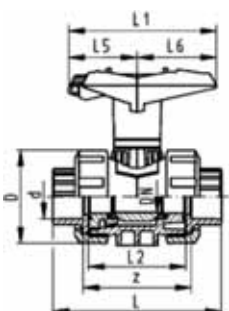
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	½	10	185	167 546 182	167 546 192	0.245	
25	20	¾	10	350	167 546 183	167 546 193	0.345	
32	25	1	10	700	167 546 184	167 546 194	0.495	
40	32	1 ¼	10	1000	167 546 185	167 546 195	0.824	
50	40	1 ½	10	1600	167 546 186	167 546 196	1.066	
63	50	2	10	3100	167 546 187	167 546 197	1.751	

d [mm]	D [mm]	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	
20	95	65	14	57	27	12	120	77	56	130	25	32	45	M6	
25	105	75	14	67	30	12	140	97	65	150	25	39	58	M6	
32	115	85	14	73	36	12	150	97	71	160	25	39	58	M6	
40	140	100	18	90	44	15	170	128	85	180	45	54	74	M8	
50	150	110	18	97	51	15	190	128	89	200	45	54	74	M8	
63	165	125	18	116	64	15	220	152	101	230	45	66	87	M8	



DN10/15 - 50



Ball valve type 546 PP-H With lockable handle With fusion sockets metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Lockable hand lever with ratchet settings

Option:

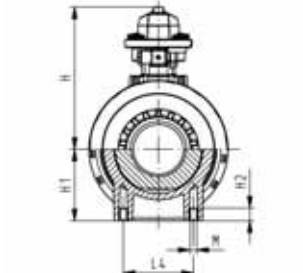
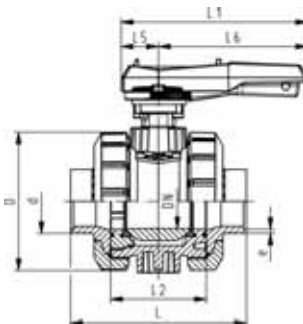
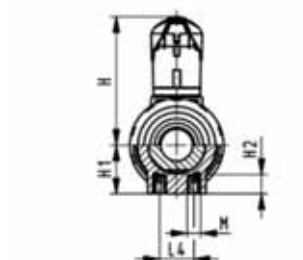
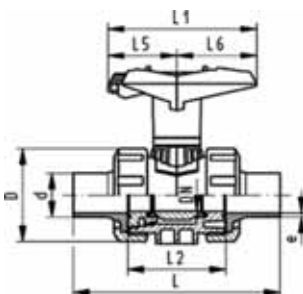
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	71	167 546 421	167 546 431	0.125	
20	15	10	185	167 546 422	167 546 432	0.125	
25	20	10	350	167 546 423	167 546 433	0.195	
32	25	10	700	167 546 424	167 546 434	0.270	
40	32	10	1000	167 546 425	167 546 435	0.465	
50	40	10	1600	167 546 426	167 546 436	0.635	
63	50	10	3100	167 546 427	167 546 437	1.175	
75	65	10	5000	167 546 428	167 546 438	4.000	
90	80	10	7000	167 546 429	167 546 439	4.715	
110	100	10	11000	167 546 430	167 546 440	7.252	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
16	50	79	27	12	93	77	56	25	32	45	M6	67	
20	50	79	27	12	95	77	56	25	32	45	M6	66	
25	58	88	30	12	109	97	65	25	39	58	M6	77	
32	68	94	36	12	119	97	71	25	39	58	M6	83	
40	84	113	44	15	135	128	85	45	54	74	M8	99	
50	97	119	51	15	147	128	89	45	54	74	M8	105	
63	124	141	64	15	168	152	101	45	66	87	M8	117	
75	166	224	85	15	233	270	136	70	64	206	M8	167	
90	200	235	105	15	254	270	141	70	64	206	M8	180	
110	238	245	123	22	301	320	164	120	64	256	M12	215	



DN10/15 - 50



Ball valve type 546 PP-H With lockable handle With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H
- For easy installation and removal
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Lockable hand lever with ratchet settings

Option:

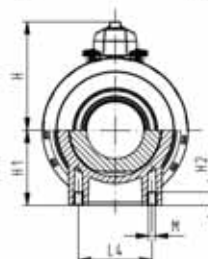
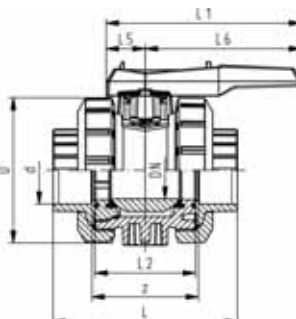
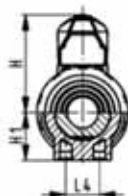
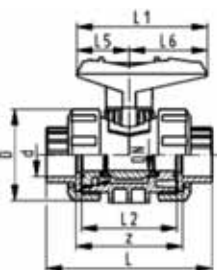
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	185	167 546 462	167 546 472	0.130	
25	20	10	350	167 546 463	167 546 473	0.195	
32	25	10	700	167 546 464	167 546 474	0.270	
40	32	10	1000	167 546 465	167 546 475	0.465	
50	40	10	1600	167 546 466	167 546 476	0.645	
63	50	10	3100	167 546 467	167 546 477	1.213	
75	65	10	5000	167 546 468	167 546 478	4.100	
90	80	10	7000	167 546 469	167 546 479	5.900	
110	100	10	11000	167 546 470	167 546 480	9.000	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
20	50	79	27	12	130	87	56	25	42	45	M6	1,9	
25	58	88	30	12	143	108	65	25	50	58	M6	2,3	
32	68	94	36	12	150	108	71	25	50	58	M6	2,9	
40	84	113	44	15	171	140	85	45	66	75	M8	3,7	
50	97	119	51	15	191	140	89	45	66	75	M8	4,6	
63	124	141	64	15	220	165	101	45	78	87	M8	5,8	
75	166	149	85	15	266	270	136	70	64	206	M8	6,8	
90	200	161	105	15	264	270	141	70	64	206	M8	8,2	
110	238	178	123	22	301	320	164	120	64	256	M12	10,0	



DN10/15 - 50



Ball valve type 546 PP-H With fusion sockets metric

Model:

- Material: PP-H
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
16	10	10	71	167 546 001	167 546 011	0.115
20	15	10	185	167 546 002	167 546 012	0.115
25	20	10	350	167 546 003	167 546 013	0.178
32	25	10	700	167 546 004	167 546 014	0.253
40	32	10	1000	167 546 005	167 546 015	0.442
50	40	10	1600	167 546 006	167 546 016	0.607
63	50	10	3100	167 546 007	167 546 017	1.118
75	65	10	5000	167 546 008	167 546 018	3.345
90	80	10	7000	167 546 009	167 546 019	5.500
110	100	10	11000	167 546 010	167 546 020	8.700

d [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	z [mm]
16	50	57	27	93	77	56	25	32	45	67
20	50	57	27	95	77	56	25	32	45	66
25	58	67	30	109	97	65	25	39	58	77
32	68	73	36	119	97	71	25	39	58	83
40	84	90	44	135	128	85	45	54	74	99
50	97	97	51	147	128	89	45	54	74	105
63	124	116	64	168	152	101	45	66	87	117
75	166	149	85	233	270	136	70	64	206	167
90	200	161	105	254	270	141	70	64	206	180
110	238	178	123	301	320	164	120	64	256	215

Accessories for Ball Valve 546

Multifunctional module (I02) PP-GF Module empty

Model:

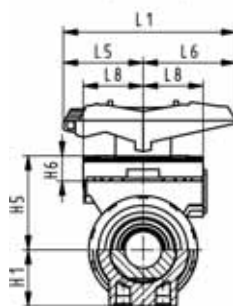
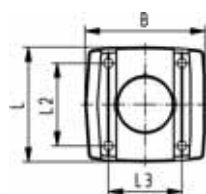
- Accessory to Ball Valve Type 546
- Multifunctional module acts as an intermediate element for actuators
- For operation with handle, multifunctional handle has to be ordered separately.
- Including screws to mount the module and stainless steel coupling piece (V2A) for dimension DN65-100
- The multifunctional module from d75 - d110 has a master gauge F07 according to EN ISO 5211.

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg
16 - 20	$\frac{3}{8}$ - $\frac{1}{2}$	10 - 15	167 482 680	0.069
25 - 32	$\frac{3}{4}$ - 1	20 - 25	167 482 681	0.149
40 - 50	1 $\frac{1}{4}$ - 1 $\frac{1}{2}$	32 - 40	167 482 682	0.168
- 63	2	- 50	167 482 683	0.209
75 - 90	2 $\frac{1}{2}$ - 3	65 - 80	167 482 684	0.379
- 110	4	- 100	167 482 685	0.607

d-d [mm]	B [mm]	H1 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L5 [mm]	L6 [mm]	L8 [mm]
16 - 20	67	27	50	17	72	87	54	40	42	45	34
25 - 32	75	30	53	16	72	108	52	46	50	58	38
40 - 50	81	44	72	16	80	140	60	50	66	75	41
- 63	91	64	94	19	93	165	68	65	78	87	46
75 - 90	90	85	157	23	85	270			64	206	
- 110	106	123	175	23	97	320			64	256	



DN10/15 - 50



Multifunctional module (I03) PP-GF With mechanical limit switches Ag Ni

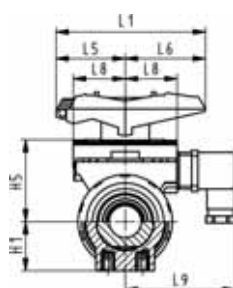
Model:

- Accessory to Ball Valve Type 546
- Multifunctional module acts as an intermediate element for actuators
- For operation with handle, multifunctional handle has to be ordered separately.
- Including Plug 3P+E / Protection: IP65
- Including screws to mount the module and stainless steel coupling piece (V2A) for dimension DN65-100

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg	H1 [mm]	H5 [mm]	L1 [mm]	L5 [mm]	L6 [mm]	L8 [mm]	L9 [mm]
16 - 20	$\frac{3}{8}$ - $\frac{1}{2}$	10 - 15	167 482 626	0.104	27	50	87	42	45	34	73
25 - 32	$\frac{3}{4}$ - 1	20 - 25	167 482 627	0.118	30	53	108	50	58	38	77
40 - 50	1 $\frac{1}{4}$ - 1 $\frac{1}{2}$	32 - 40	167 482 628	0.140	44	72	140	66	75	41	80
- 63	2	- 50	167 482 629	0.257	64	94	165	78	87	46	85
75 - 90	2 $\frac{1}{2}$ - 3	65 - 80	167 482 630	0.478	85	157	270	64	206		
- 110	4	- 100	167 482 631	0.480	123	175	320	64	256		



DN10/15 - 50





Multifunctional module (I04) PP-GF With mechanical limit switches Au

Model:

- Accessory to Ball Valve Type 546
- Multifunctional module acts as an intermediate element for actuators
- For operation with handle, multifunctional handle has to be ordered separately.
- Including Plug 3P+E / Protection: IP65
- Including screws to mount the module and stainless steel coupling piece (V2A) for dimension DN65-100

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg	H1 [mm]	H5 [mm]	L1 [mm]	L5 [mm]	L6 [mm]	L8 [mm]	L9 [mm]	
16 - 20	3/8 - 1/2	10 - 15	167 482 635	0.103	27	50	87	42	45	34	73	
25 - 32	3/4 - 1	20 - 25	167 482 636	0.120	30	53	108	50	58	38	77	
40 - 50	1 1/4 - 1 1/2	32 - 40	167 482 637	0.138	44	72	140	66	75	41	80	
- 63	2	- 50	167 482 638	0.175	64	94	165	78	87	46	85	
75 - 90	2 1/2 - 3	65 - 80	167 482 639	0.460	85	157	270	64	206			
- 110	4	- 100	167 482 640	0.480	123	175	320	64	256			



Multifunctional module (I05) PP-GF With inductive limit switches Namur

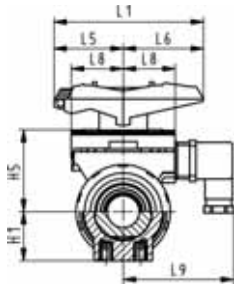
Model:

- Accessory to Ball Valve Type 546
- Multifunctional module acts as an intermediate element for actuators
- For operation with handle, multifunctional handle has to be ordered separately.
- Including Plug 3P+E / Protection: IP65
- Including screws to mount the module and stainless steel coupling piece (V2A) for dimension DN65-100

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg	H1 [mm]	H5 [mm]	L1 [mm]	L5 [mm]	L6 [mm]	L8 [mm]	L9 [mm]	
16 - 20	3/8 - 1/2	10 - 15	167 482 671	0.097	27	50	87	42	45	34	73	
25 - 32	3/4 - 1	20 - 25	167 482 672	0.107	30	53	108	50	58	38	77	
40 - 50	1 1/4 - 1 1/2	32 - 40	167 482 673	0.135	44	72	140	66	75	41	80	
- 63	2	- 50	167 482 674	0.257	64	94	165	78	87	46	85	
75 - 90	2 1/2 - 3	65 - 80	167 482 675	0.460	85	157	270	64	206			
- 110	4	- 100	167 482 676	0.480	123	175	320	64	256			



DN10/15 - 50



Multifunctional module (I06) PP-GF With inductive limit switches PNP

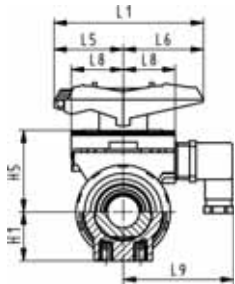
Model:

- Accessory to Ball Valve Type 546
- Multifunctional module acts as an intermediate element for actuators
- For operation with handle, multifunctional handle has to be ordered separately.
- Including Plug 3P+E / Protection: IP65
- Including screws to mount the module and stainless steel coupling piece (V2A) for dimension DN65-100

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg	H1 [mm]	H5 [mm]	L1 [mm]	L5 [mm]	L6 [mm]	L8 [mm]	L9 [mm]
16 - 20	3/8 - 1/2	10 - 15	167 482 662	0.182	27	50	87	42	45	34	73
25 - 32	3/4 - 1	20 - 25	167 482 663	0.197	30	53	108	50	58	38	77
40 - 50	1 1/4 - 1 1/2	32 - 40	167 482 664	0.215	44	72	140	66	75	41	80
- 63	2	- 50	167 482 665	0.175	64	94	165	78	87	46	85
75 - 90	2 1/2 - 3	65 - 80	167 482 666	0.460	85	157	270	64	206		
- 110	4	- 100	167 482 667	0.480	123	175	320	64	256		



DN10/15 - 50

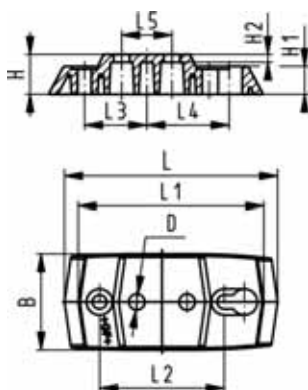


Multifunctional module (I07) PP-GF With inductive limit switches NPN

Model:

- Accessory to Ball Valve Type 546
- Multifunctional module acts as an intermediate element for actuators
- For operation with handle, multifunctional handle has to be ordered separately.
- Including Plug 3P+E / Protection: IP65
- Including screws to mount the module and stainless steel coupling piece (V2A) for dimension DN65-100

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg	H1 [mm]	H5 [mm]	L1 [mm]	L5 [mm]	L6 [mm]	L8 [mm]	L9 [mm]
16 - 20	3/8 - 1/2	10 - 15	167 482 653	0.110	27	50	87	42	45	34	73
25 - 32	3/4 - 1	20 - 25	167 482 654	0.120	30	53	108	50	58	38	77
40 - 50	1 1/4 - 1 1/2	32 - 40	167 482 655	0.135	44	72	140	66	75	41	80
- 63	2	- 50	167 482 656	0.175	64	94	165	78	87	46	85
75 - 90	2 1/2 - 3	65 - 80	167 482 657	0.460	85	157	270	64	206		
- 110	4	- 100	167 482 658	0.480	123	175	320	64	256		



Mounting plate 546 PP-GF (L02)

- 2 mounting screws inclusive

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg	
16 - 32	¾ - 1	10 - 25	167 484 110	0.054	
40 - 63	1 ¼ - 2	32 - 50	167 484 111	0.066	

d-d [mm]	B [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	
16 - 32	48	8	20	14	4	106	92	62	31	41	25	
40 - 63	54	9	20	14	4	149	134	104	52	62	45	

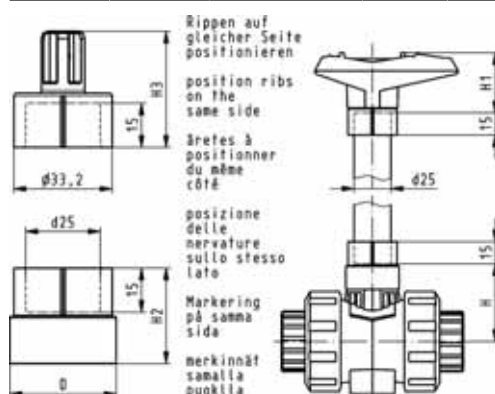


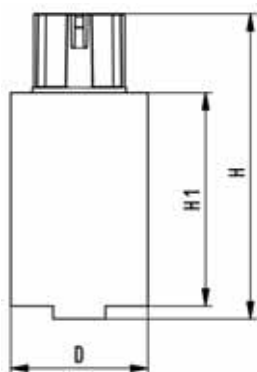
Handle extension 546 PVC-U metric

Model:

- For ball valve type 546 and 543
- Composed of adapter sockets for handle connection and stem connection
- PVC-U pipe in suitable length has to be obtained on site

d-d [mm]	DN-DN [mm]	Code	kg	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	D [mm]	
16 - 20	10 - 15	161 486 435	0.030	41	52	29	36	26	
25 - 32	20 - 25	161 486 436	0.029	50	62	32	39	36	
40 - 50	32 - 40	161 486 437	0.045	65	76	34	44	40	
- 63	- 50	161 486 438	0.059	84	87	37	48	44	





Handle extension for ball valve type 546 PVC-U DN65 - DN100

Model:

- Multiple use in succession possible
- Height variable

d-d [mm]	DN-DN [mm]	Code	kg	D [mm]	H [mm]	H1 [mm]	
75 - 90	65 - 80	161 490 920	0.323	58	143	100	
- 110	- 100	161 490 921	0.413	64	143	100	



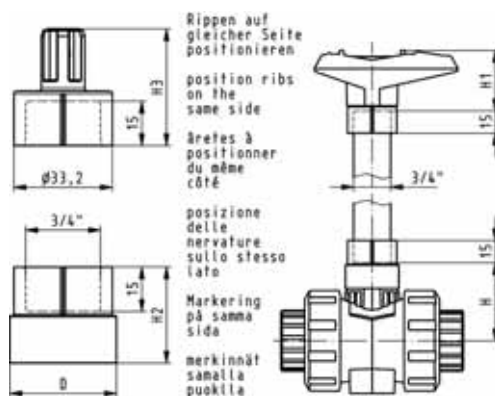
Handle extension 546 PVC-U inch BS/ASTM

Model:

- For Ball Valve Type 546

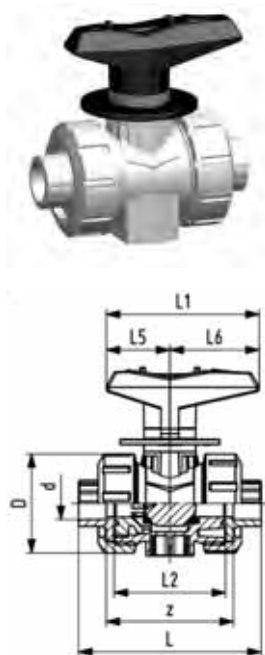
Includes upper and lower extension adapter, does not include 3/4" pipe

DN-DN [mm]	Inch	Code	kg	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	D [mm]	
10 - 15	3/8-1/2	161 486 443	0.032	41	52	29	36	26	
20 - 25	3/4-1	161 486 444	0.030	50	62	32	39	36	
32 - 40	1 1/4-1 1/2	161 486 445	0.047	65	76	34	44	40	
50 -	2	161 486 446	0.058	84	87	37	48	44	



Ball Valves 523

PROGEF Standard Metering ball valve type 523 With mounting inserts With fusion sockets metric



Model:

- Material: PP-H
- Micro-doser
- Excellent control characteristics
- Designed for easy installation and removal
- Angle of operation 180° with scale
- Integrated stainless steel mounting inserts
- Ball seals PTFE
- Z-length, end connectors and union nuts **not compatible** to Type 323

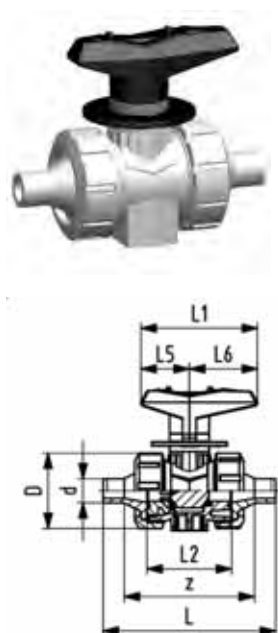
Option:

- Other materials on demand

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	11	167 523 401	167 523 411	0.130	
20	15	10	20	167 523 402	167 523 412	0.130	

d [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	z [mm]	
16	50	68	27	93	77	56	25	32	45	67	
20	50	68	27	95	77	56	25	32	45	66	

PROGEF Standard Metering ball valve type 523 With mounting inserts With socket fusion spigots metric



Model:

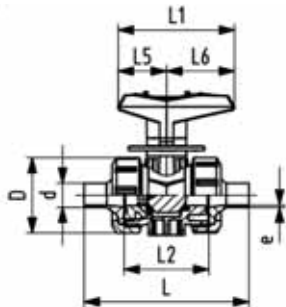
- Material: PP-H
- Micro-doser
- Excellent control characteristics
- Designed for easy installation and removal
- Angle of operation 180° with scale
- Integrated stainless steel mounting inserts
- Ball seals PTFE
- Z-length, end connectors and union nuts **not compatible** to Type 323

Option:

- Other materials on demand

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	11	167 523 441	167 523 451	0.130	
20	15	10	20	167 523 442	167 523 452	0.130	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	
16	50	68	27	12	110	77	56		25	32	45	M6	
20	50	68	27	12	120	77	56	130	25	32	45	M6	



PROGEF Standard
Metering ball valve type 523
With mounting inserts
With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H
- Micro-doser
- Excellent control characteristics
- Designed for easy installation and removal
- Angle of operation 180° with scale
- Integrated stainless steel mounting inserts
- Ball seals PTFE
- Z-length, end connectors and union nuts **not compatible** to Type 323

Option:

- Other materials on demand

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	11	167 523 482	167 523 492	0.130	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]	
20	50	68	27	12	130	77	56	25	32	45	M6	1.9	

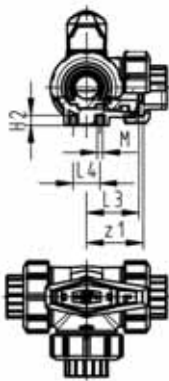
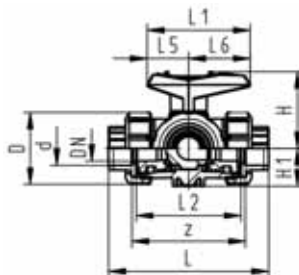
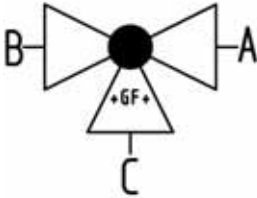
Ball Valves 543

PROGEF Standard

3-Way ball valve type 543

Horizontal/L-port

With fusion sockets metric

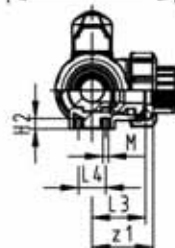
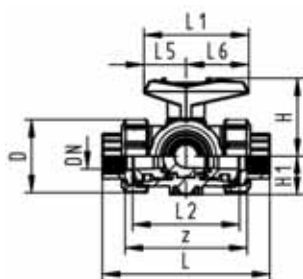
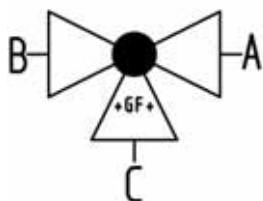


Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	50	167 543 001	167 543 011	0.161	
20	15	10	75	167 543 002	167 543 012	0.165	
25	20	10	150	167 543 003	167 543 013	0.237	
32	25	10	280	167 543 004	167 543 014	0.361	
40	32	10	480	167 543 005	167 543 015	0.616	
50	40	10	620	167 543 006	167 543 016	0.912	
63	50	10	1230	167 543 007	167 543 017	1.882	

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	z1 [mm]	
16	50	110	77	72	36	25	32	45	57	28	8	6	82	41	
20	50	112	77	72	36	25	32	45	57	28	8	6	82	41	
25	58	129	97	85	43	25	39	58	67	32	8	6	97	49	
32	68	146	97	98	49	25	39	58	73	36	8	6	110	55	
40	84	170	128	118	59	45	54	74	90	45	9	8	132	66	
50	97	193	128	135	68	45	54	74	97	51	9	8	151	76	
63	124	244	152	176	88	45	66	87	116	65	9	8	188	94	



PROGEF Standard

3-Way ball valve type 543

Horizontal/L-port

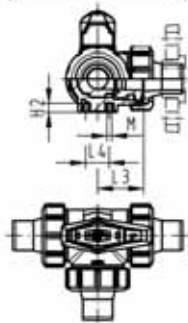
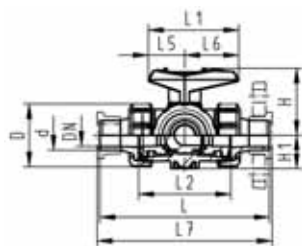
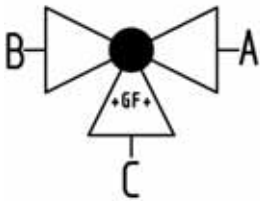
With threaded sockets reinforced Rp

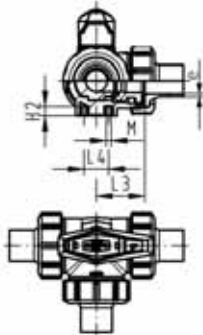
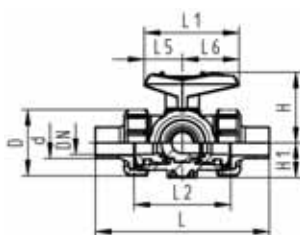
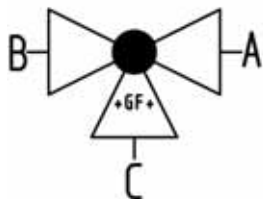
Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-C opened, see flow scheme

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	50	167 543 081	167 543 091	0.161	
1/2	15	10	75	167 543 082	167 543 092	0.165	
3/4	20	10	150	167 543 083	167 543 093	0.237	
1	25	10	280	167 543 084	167 543 094	0.361	
1 1/4	32	10	480	167 543 085	167 543 095	0.616	
1 1/2	40	10	620	167 543 086	167 543 096	0.912	
2	50	10	1230	167 543 087	167 543 097	1.773	

Rp [inch]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	z1 [mm]	
3/8	50	112	77	72	36	25	32	45	57	28	8	6	86	43	
1/2	50	114	77	72	36	25	32	45	57	28	8	6	84	42	
3/4	58	131	97	85	43	25	39	58	67	32	8	6	99	50	
1	68	154	97	98	49	25	39	58	73	36	8	6	112	56	
1 1/4	84	180	128	118	59	45	54	74	90	45	9	8	132	66	
1 1/2	97	203	128	135	68	45	54	74	97	51	9	8	153	77	
2	124	258	152	176	88	45	66	87	116	65	9	8	196	98	





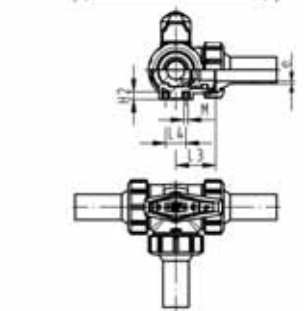
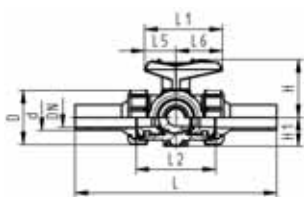
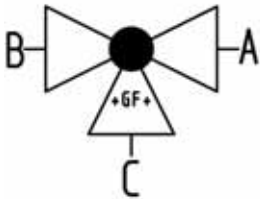
PROGEF Standard **3-Way ball valve type 543** **Horizontal/L-port** **With butt fusion spigots IR-Plus** **SDR11 metric**

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	75	167 543 062	167 543 072	0.171	
25	20	10	150	167 543 063	167 543 073	0.247	
32	25	10	280	167 543 064	167 543 074	0.377	
40	32	10	480	167 543 065	167 543 075	0.629	
50	40	10	620	167 543 066	167 543 076	0.953	
63	50	10	1230	167 543 067	167 543 077	1.855	

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	e [mm]	
20	50	146	77	72	36	25	32	45	57	28	8	6	1.9	
25	58	163	97	85	43	25	39	58	67	32	8	6	2.3	
32	68	178	97	98	49	25	39	58	73	36	8	6	2.9	
40	84	204	128	118	59	45	54	74	90	45	9	8	3.7	
50	97	237	128	135	68	45	54	74	97	51	9	8	4.6	
63	124	296	152	176	88	45	66	87	116	65	9	8	5.8	



PROGEF Standard **3-Way ball valve type 543** **Horizontal/L-port** **With butt fusion spigots long** **SDR11 metric**

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	75	167 543 102	167 543 112	0.179	
25	20	10	150	167 543 103	167 543 113	0.262	
32	25	10	280	167 543 104	167 543 114	0.399	
40	32	10	480	167 543 105	167 543 115	0.675	
50	40	10	620	167 543 106	167 543 116	1.032	
63	50	10	1230	167 543 107	167 543 117	2.221	

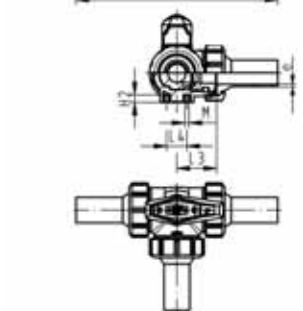
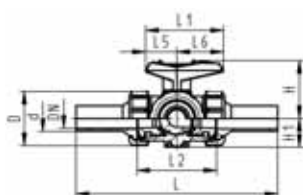
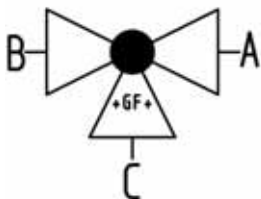
d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M [mm]	e [mm]	
20	50	210	77	72	36	25	32	45	57	28	8	6	2.3	
25	58	237	97	85	43	25	39	58	67	32	8	6	2.3	
32	68	250	97	98	49	25	39	58	73	36	8	6	2.9	
40	84	282	128	118	59	45	54	74	90	45	9	8	3.7	
50	97	317	128	135	68	45	54	74	97	51	9	8	4.6	
63	124	396	152	176	88	45	66	87	116	65	9	8	5.8	



PROGEF Standard **3-Way ball valve type 543** **Horizontal/L-port** **With butt fusion spigots long** **PE100 SDR11 metric**

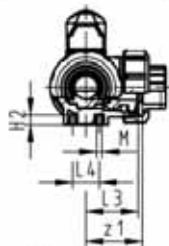
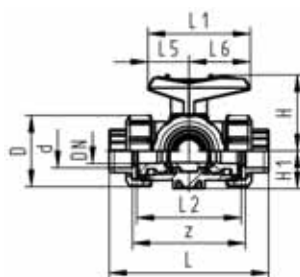
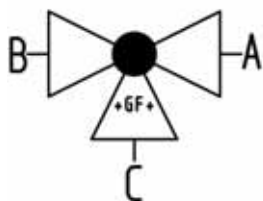
Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-C opened, see flow scheme



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	10	75	167 543 122	167 543 132	0.179
25	20	10	150	167 543 123	167 543 133	0.262
32	25	10	280	167 543 124	167 543 134	0.399
40	32	10	480	167 543 125	167 543 135	0.675
50	40	10	620	167 543 126	167 543 136	1.032
63	50	10	1230	167 543 127	167 543 137	2.221

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M [mm]	e [mm]
20	50	210	77	72	36	25	32	45	57	28	8	6	2.3
25	58	237	97	85	43	25	39	58	67	32	8	6	2.3
32	68	250	97	98	49	25	39	58	73	36	8	6	2.9
40	84	282	128	118	59	45	54	74	90	45	9	8	3.7
50	97	317	128	135	68	45	54	74	97	51	9	8	4.6
63	124	396	152	176	88	45	66	87	116	65	9	8	5.8



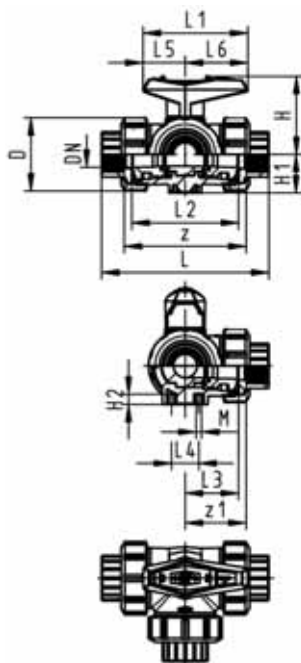
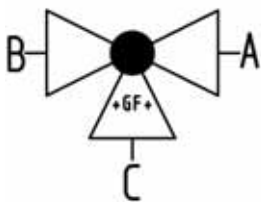
PROGEF Standard 3-Way ball valve type 543 Horizontal/T-port With fusion sockets metric

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-B-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
16	10	10	140	167 543 201	167 543 211	0.160
20	15	10	200	167 543 202	167 543 212	0.164
25	20	10	470	167 543 203	167 543 213	0.236
32	25	10	793	167 543 204	167 543 214	0.357
40	32	10	1290	167 543 205	167 543 215	0.609
50	40	10	1910	167 543 206	167 543 216	0.898
63	50	10	3100	167 543 207	167 543 217	1.857

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	z1 [mm]
16	50	110	77	72	36	25	32	45	57	28	8	6	82	41
20	50	112	77	72	36	25	32	45	57	28	8	6	82	41
25	58	129	97	85	43	25	39	58	67	32	8	6	97	49
32	68	146	97	98	49	25	39	58	73	36	8	6	110	55
40	84	170	128	118	59	45	54	74	90	45	9	8	132	66
50	97	193	128	135	68	45	54	74	97	51	9	8	151	76
63	124	244	152	176	88	45	66	87	116	65	9	8	188	94



PROGEF Standard 3-Way ball valve type 543 Horizontal/T-port With threaded sockets reinforced Rp

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-B-C opened, see flow scheme

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
3/8	10	10	140	167 543 281	167 543 291	0.160
1/2	15	10	200	167 543 282	167 543 292	0.164
3/4	20	10	470	167 543 283	167 543 293	0.236
1	25	10	793	167 543 284	167 543 294	0.357
1 1/4	32	10	1290	167 543 285	167 543 295	0.609
1 1/2	40	10	1910	167 543 286	167 543 296	0.898
2	50	10	3100	167 543 287	167 543 297	1.744

Rp [inch]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	z1 [mm]
3/8	50	112	77	72	36	25	32	45	57	28	8	6	86	43
1/2	50	114	77	72	36	25	32	45	57	28	8	6	84	42
3/4	58	131	97	85	43	25	39	58	67	32	8	6	99	50
1	68	154	97	98	49	25	39	58	73	36	8	6	112	56
1 1/4	84	180	128	118	59	45	54	74	90	45	9	8	132	66
1 1/2	97	203	128	135	68	45	54	74	97	51	9	8	153	77
2	124	258	152	176	88	45	66	87	116	65	9	8	196	98



PROGEF Standard

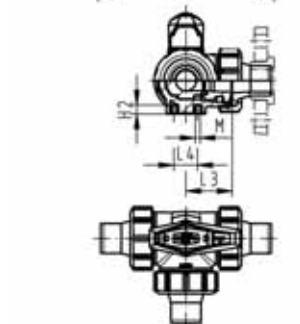
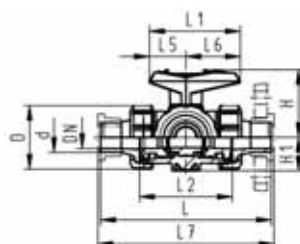
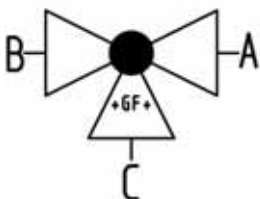
3-Way ball valve type 543

Horizontal/T-port

With socket fusion spigots metric

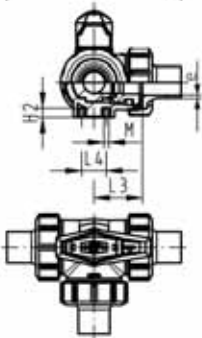
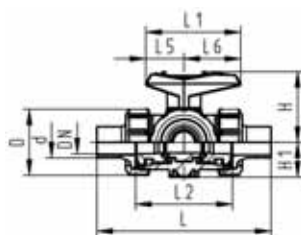
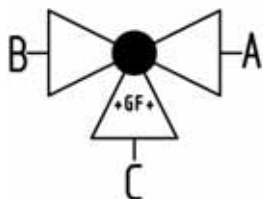
Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-B-C opened, see flow scheme



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
16	10	10	140	167 543 221	167 543 231	0.164
20	15	10	200	167 543 222	167 543 232	0.170
25	20	10	470	167 543 223	167 543 233	0.245
32	25	10	793	167 543 224	167 543 234	0.372
40	32	10	1290	167 543 225	167 543 235	0.622
50	40	10	1910	167 543 226	167 543 236	0.939
63	50	10	3100	167 543 227	167 543 237	1.826

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	H [mm]	H1 [mm]	H2 [mm]	M
16	50	126	77	72	36	25	32	45	133	57	28	8	6
20	50	136	77	72	36	25	32	45	144	57	28	8	6
25	58	159	97	85	43	25	39	58	170	67	32	8	6
32	68	178	97	98	49	25	39	58	191	73	36	8	6
40	84	204	128	118	59	45	54	74	223	90	45	9	8
50	97	237	128	135	68	45	54	74	256	97	51	9	8
63	124	296	152	176	88	45	66	87	319	116	65	9	8



PROGEF Standard

3-Way ball valve type 543

Horizontal/T-port

With butt fusion spigots IR-Plus

SDR11 metric

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-B-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	10	200	167 543 262	167 543 272	0.170
25	20	10	470	167 543 263	167 543 273	0.245
32	25	10	793	167 543 264	167 543 274	0.372
40	32	10	1290	167 543 265	167 543 275	0.622
50	40	10	1910	167 543 266	167 543 276	0.939
63	50	10	3100	167 543 267	167 543 277	1.826

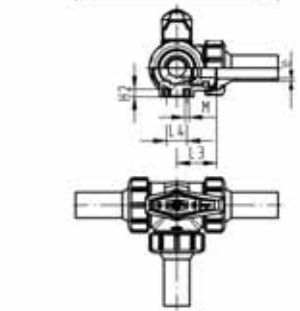
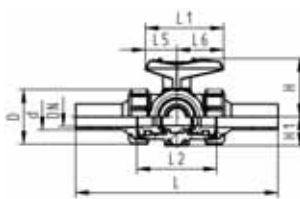
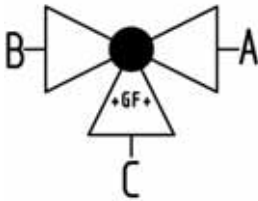
d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	e [mm]
20	50	146	77	72	36	25	32	45	57	28	8	6	1.9
25	58	163	97	85	43	25	39	58	67	32	8	6	2.3
32	68	178	97	98	49	25	39	58	73	36	8	6	2.9
40	84	204	128	118	59	45	54	74	90	45	9	8	3.7
50	97	237	128	135	68	45	54	74	97	51	9	8	4.6
63	124	296	152	176	88	45	66	87	116	65	9	8	5.8



PROGEF Standard **3-Way ball valve type 543** **Horizontal/T-port** **With butt fusion spigots long** **SDR11 metric**

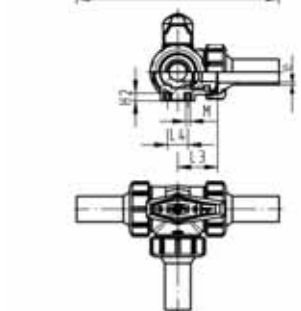
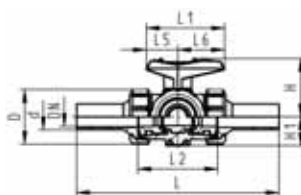
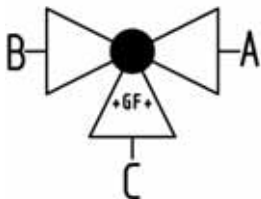
Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-B-C opened, see flow scheme



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg								
20	15	10	200	167 543 302	167 543 312	1.744								
25	20	10	470	167 543 303	167 543 313	0.160								
32	25	10	793	167 543 304	167 543 314	0.164								
40	32	10	1290	167 543 305	167 543 315	0.236								
50	40	10	1910	167 543 306	167 543 316	0.357								
63	50	10	3100	167 543 307	167 543 317	0.609								

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M [mm]	e [mm]		
20	50	210	77	72	36	25	32	45	57	28	8	6	2.3		
25	58	237	97	85	43	25	39	58	67	32	8	6	2.3		
32	68	250	97	98	49	25	39	58	73	36	8	6	2.9		
40	84	282	128	118	59	45	54	74	90	45	9	8	3.7		
50	97	317	128	135	68	45	54	74	97	51	9	8	4.6		
63	124	396	152	176	88	45	66	87	116	65	9	8	5.8		



PROGEF Standard **3-Way ball valve type 543** **Horizontal/T-port** **With butt fusion spigots long** **PE100 SDR11 metric**

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Delivery status A-B-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	10	200	167 543 322	167 543 332	0.179
25	20	10	470	167 543 323	167 543 333	0.261
32	25	10	793	167 543 324	167 543 334	0.395
40	32	10	1290	167 543 325	167 543 335	0.668
50	40	10	1910	167 543 326	167 543 336	1.019
63	50	10	3100	167 543 327	167 543 337	2.192

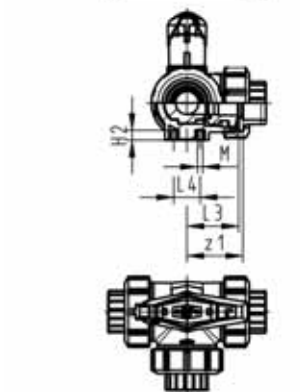
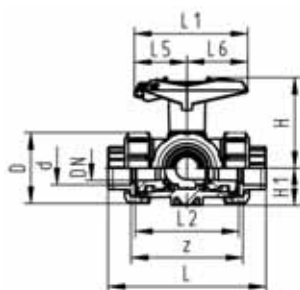
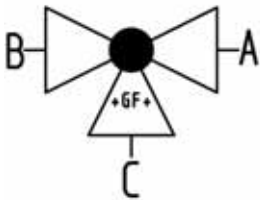
d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M [mm]	e [mm]
20	50	210	77	72	36	25	32	45	57	28	8	6	2.3
25	58	237	97	85	43	25	39	58	67	32	8	6	2.3
32	68	250	97	98	49	25	39	58	73	36	8	6	2.9
40	84	282	128	118	59	45	54	74	90	45	9	8	3.7
50	97	317	128	135	68	45	54	74	97	51	9	8	4.6
63	124	396	152	176	88	45	66	87	116	65	9	8	5.8



PROGEF Standard **3-Way ball valve type 543** **Horizontal/L-port** **With lockable handle** **With fusion sockets metric**

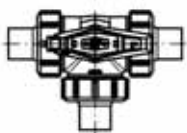
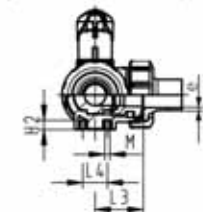
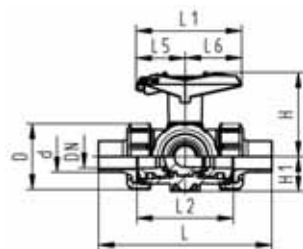
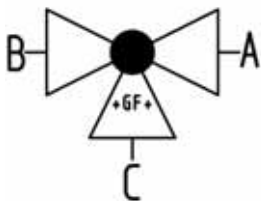
Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Multifunctional lever red with ratched setting 45°, lockable
- Delivery status A-C opened, see flow scheme



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	50	167 543 561	167 543 571	0.170	
20	15	10	75	167 543 562	167 543 572	0.174	
25	20	10	150	167 543 563	167 543 573	0.248	
32	25	10	280	167 543 564	167 543 574	0.372	
40	32	10	480	167 543 565	167 543 575	0.631	
50	40	10	620	167 543 566	167 543 576	0.927	
63	50	10	1230	167 543 567	167 543 577	1.793	

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M [mm]	z [mm]	z1 [mm]	
16	50	110	87	72	36	25	42	45	79	28	8	6	82	41	
20	50	112	87	72	36	25	42	45	79	28	8	6	82	41	
25	58	129	108	85	43	25	50	58	88	32	8	6	97	49	
32	68	146	108	98	49	25	50	58	94	36	8	6	110	55	
40	84	170	141	118	59	45	66	75	113	45	9	8	132	66	
50	97	193	141	135	68	45	66	75	119	51	9	8	151	76	
63	124	244	165	176	88	45	78	87	141	65	9	8	188	94	



PROGEF Standard **3-Way ball valve type 543** **Horizontal/L-port** **With lockable handle** **With butt fusion spigots IR-Plus** **SDR11 metric**

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Multifunctional lever red with ratched setting 45°, lockable
- Delivery status A-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	10	75	167 543 602	167 543 612	0.180
25	20	10	150	167 543 603	167 543 613	0.258
32	25	10	280	167 543 604	167 543 614	0.396
40	32	10	480	167 543 605	167 543 615	0.645
50	40	10	620	167 543 606	167 543 616	0.968
63	50	10	1230	167 543 607	167 543 617	1.876

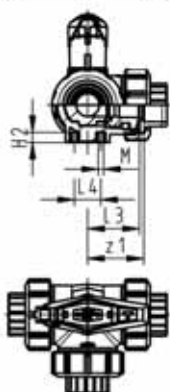
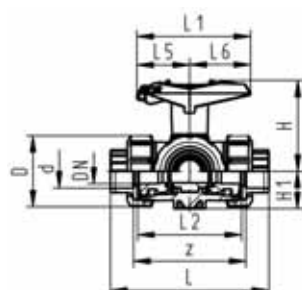
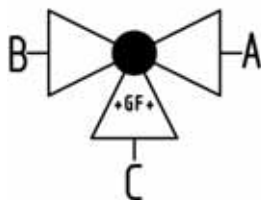
d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	e [mm]
20	50	146	87	72	36	25	42	45	79	28	8	6	1.9
25	58	163	108	85	43	25	50	58	88	32	8	6	2.3
32	68	178	108	98	49	25	50	58	94	36	8	6	2.9
40	84	204	141	118	59	45	66	75	113	45	9	8	3.7
50	97	237	141	135	68	45	66	75	119	51	9	8	4.6
63	124	296	165	176	88	45	78	87	141	65	9	8	5.8



PROGEF Standard **3-Way ball valve type 543** **Horizontal/T-port** **With lockable handle** **With fusion sockets metric**

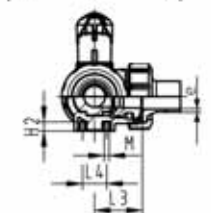
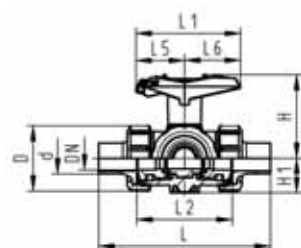
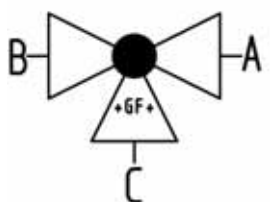
Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Multifunctional lever red with ratched setting 45°, lockable
- Delivery status A-B-C opened, see flow scheme



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	140	167 543 581	167 543 591	0.169	
20	15	10	200	167 543 582	167 543 592	0.173	
25	20	10	470	167 543 583	167 543 593	0.247	
32	25	10	793	167 543 584	167 543 594	0.368	
40	32	10	1290	167 543 585	167 543 595	0.624	
50	40	10	1910	167 543 586	167 543 596	0.913	
63	50	10	3100	167 543 587	167 543 597	1.764	

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	z [mm]	z1 [mm]	
16	50	110	87	72	36	25	42	45	79	28	8	6	82	41	
20	50	112	87	72	36	25	42	45	79	28	8	6	82	41	
25	58	129	108	85	43	25	50	58	88	32	8	6	97	49	
32	68	146	108	98	49	25	50	58	94	36	8	6	110	55	
40	84	170	141	118	59	45	66	75	113	45	9	8	132	66	
50	97	193	141	135	68	45	66	75	119	51	9	8	151	76	
63	124	244	165	176	88	45	78	87	141	65	9	8	188	94	



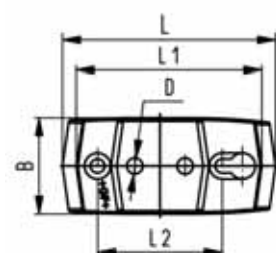
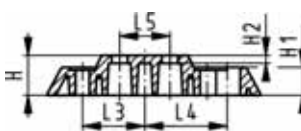
PROGEF Standard 3-Way ball valve type 543 Horizontal/T-port With lockable handle With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H
- For easy installation and removal (valve end and union nut are compatible with type 546)
- Ball seals PTFE
- Pneumatic or electric actuator available separately
- Angle of operation 360° without turn limiter
- Turn limiter 90° enclosed, in different positions usable as a clip-on ring
- Integrated stainless steel mounting inserts
- Multifunctional lever red with ratched setting 45°, lockable
- Delivery status A-B-C opened, see flow scheme

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	10	200	167 543 622	167 543 632	0.179
25	20	10	470	167 543 623	167 543 633	0.257
32	25	10	793	167 543 624	167 543 634	0.384
40	32	10	1290	167 543 625	167 543 635	0.637
50	40	10	1910	167 543 626	167 543 636	0.954
63	50	10	3100	167 543 627	167 543 637	1.846

d [mm]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	e [mm]
20	50	146	87	72	36	25	42	45	79	28	8	6	1.9
25	58	163	108	85	43	25	50	58	88	32	8	6	2.3
32	68	178	108	98	49	25	50	58	94	36	8	6	2.9
40	84	204	141	118	59	45	66	75	113	45	9	8	3.7
50	97	237	141	135	68	45	66	75	119	51	9	8	4.6
63	124	296	165	176	88	45	78	87	141	65	9	8	5.8



Mounting plate 546 and 543 PP-GF (L02)

- 2 mounting screws inclusive

d-d [mm]	Inch [inch]	DN-DN [mm]	Code	kg
16 - 32	3/8 - 1	10 - 25	167 484 110	0.054
40 - 63	1 1/4 - 2	32 - 50	167 484 111	0.066

d-d [mm]	B [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]
16 - 32	48	8	20	14	4	106	92	62	31	41	25
40 - 63	54	9	20	14	4	149	134	104	52	62	45

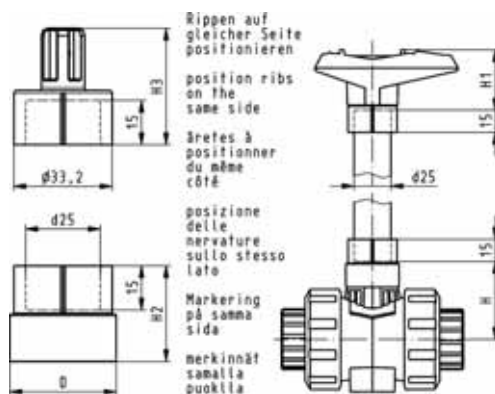


Handle extension 546 and 543 PVC-U metric

Model:

- For ball valve type 546 and 543
- Composed of adapter sockets for handle connection and stem connection
- PVC-U pipe in suitable length has to be obtained on site

d-d [mm]	DN-DN [mm]	Code	kg	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	D [mm]	
16 - 20	10 - 15	161 486 435	0.030	41	52	29	36	26	
25 - 32	20 - 25	161 486 436	0.029	50	62	32	39	36	
40 - 50	32 - 40	161 486 437	0.045	65	76	34	44	40	
- 63	- 50	161 486 438	0.059	84	87	37	48	44	



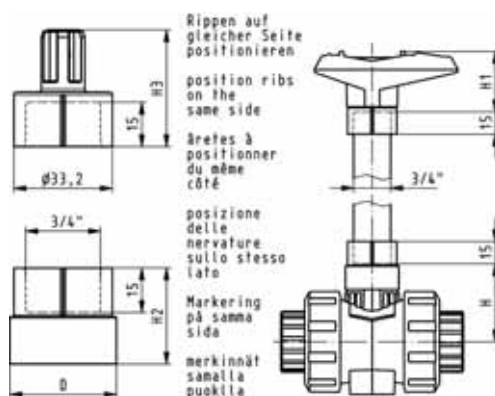
Handle extension 546 PVC-U inch BS/ASTM

Model:

- For Ball Valve Type 546

Includes upper and lower extension adapter, does not include 3/4" pipe

DN-DN [mm]	Inch	Code	kg	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	D [mm]	
10 - 15	3/8-1/2	161 486 443	0.032	41	52	29	36	26	
20 - 25	3/4-1	161 486 444	0.030	50	62	32	39	36	
32 - 40	1 1/4-1 1/2	161 486 445	0.047	65	76	34	44	40	
50 -	2	161 486 446	0.058	84	87	37	48	44	

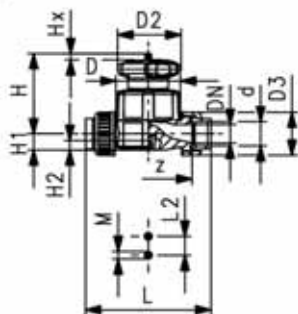


Diaphragm Valves 514

PROGEF Standard

Diaphragm valve type 514

With fusion sockets metric



Model:

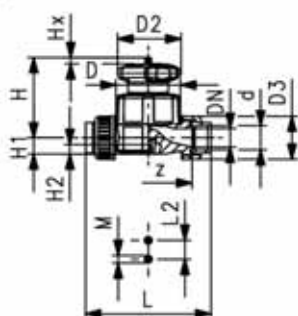
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	kg
20	15	10	125	167 514 002	167 514 012	167 514 032	167 514 062	0.267
25	20	10	271	167 514 003	167 514 013	167 514 033	167 514 063	0.391
32	25	10	481	167 514 004	167 514 014	167 514 034	167 514 064	1.080
40	32	10	759	167 514 005	167 514 015	167 514 035	167 514 065	1.277
50	40	10	1263	167 514 006	167 514 016	167 514 036	167 514 066	1.386
63	50	10	1728	167 514 007	167 514 017	167 514 037	167 514 067	3.030

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



PROGEF Standard

Diaphragm valve type 514

With fusion sockets PE80 metric

Model:

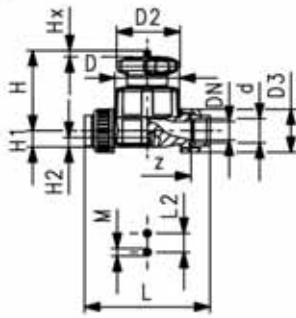
- Material: PP-H
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg
20	15	10	125	167 514 212	167 514 232	0.371
25	20	10	271	167 514 213	167 514 233	0.501
32	25	10	481	167 514 214	167 514 234	1.103
40	32	10	759	167 514 215	167 514 235	1.299
50	40	10	1263	167 514 216	167 514 236	2.289
63	50	10	1728	167 514 217	167 514 237	2.978

table continued next page



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



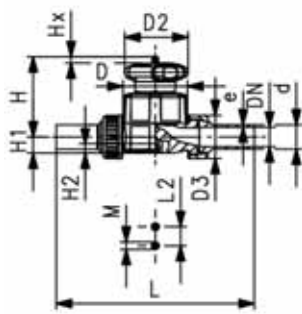
PROGEF Standard Diaphragm valve type 514 With butt fusion spigots SDR11 metric

Model:

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

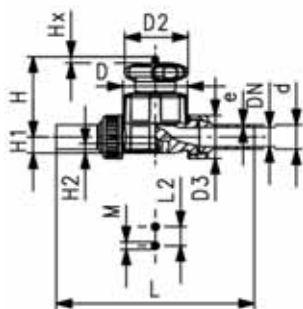
Option:

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



d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	kg	
20	15	10	125	167 514 102	167 514 112	167 514 132	167 514 162	0.369	
25	20	10	271	167 514 103	167 514 113	167 514 133	167 514 163	0.404	
32	25	10	481	167 514 104	167 514 114	167 514 134	167 514 164	0.648	
40	32	10	759	167 514 105	167 514 115	167 514 135	167 514 165	0.854	
50	40	10	1263	167 514 106	167 514 116	167 514 136	167 514 166	2.313	
63	50	10	1728	167 514 107	167 514 117	167 514 137	167 514 167	3.044	

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



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

Model:

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

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg	
20	15	10	125	167 514 312	167 514 332	0.381	
25	20	10	271	167 514 313	167 514 333	0.513	
32	25	10	481	167 514 314	167 514 334	1.127	
40	32	10	759	167 514 315	167 514 335	1.337	
50	40	10	1263	167 514 316	167 514 336	2.359	
63	50	10	1728	167 514 317	167 514 337	3.088	

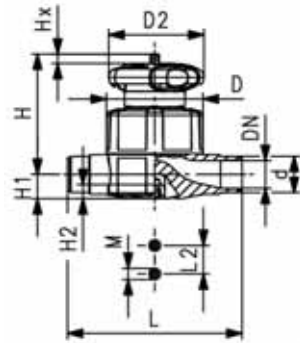
d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	48	196	25	73	14	12	M6	7	1,9	
25	80	65	58	221	25	81	18	12	M6	10	2,3	
32	88	87	65	234	25	107	22	12	M6	13	2,9	
40	101	87	79	260	45	115	26	15	M8	15	3,7	
50	117	135	91	284	45	148	32	15	M8	19	4,6	
63	144	135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

Diaphragm Valves 515

PROGEF Standard

Diaphragm valve type 515

With socket fusion spigots metric



Model:

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

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	kg	
20	15	10	125	167 515 002	167 515 012	167 515 032	167 515 062	0.298	
25	20	10	271	167 515 003	167 515 013	167 515 033	167 515 063	0.293	
32	25	10	481	167 515 004	167 515 014	167 515 034	167 515 064	0.949	
40	32	10	759	167 515 005	167 515 015	167 515 035	167 515 065	1.108	
50	40	10	1263	167 515 006	167 515 016	167 515 036	167 515 066	2.057	
63	50	10	1728	167 515 007	167 515 017	167 515 037	167 515 067	2.604	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



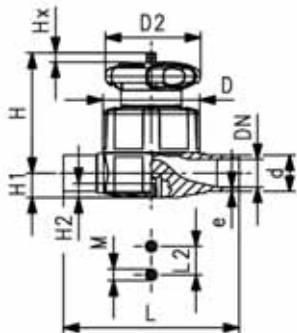
PROGEF Standard Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

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

Option:

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



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	kg
20	15	10	125	167 515 102	167 515 112	167 515 132	167 515 162	0.297
25	20	10	271	167 515 103	167 515 113	167 515 133	167 515 163	0.380
32	25	10	481	167 515 104	167 515 114	167 515 134	167 515 164	0.947
40	32	10	759	167 515 105	167 515 115	167 515 135	167 515 165	1.104
50	40	10	1263	167 515 106	167 515 116	167 515 136	167 515 166	2.052
63	50	10	1728	167 515 107	167 515 117	167 515 137	167 515 167	2.601

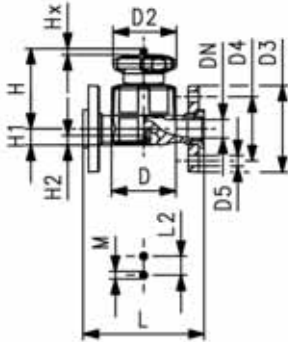
d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]
20	65	65	124	25	73	14	12	M6	7	1.9
25	80	65	144	25	81	18	12	M6	10	2.3
32	88	87	155	25	107	22	12	M6	13	2.9
40	101	87	176	45	115	26	15	M8	15	3.7
50	117	135	193	45	148	32	15	M8	19	4.6
63	144	135	223	45	166	39	15	M8	25	5.8

Diaphragm Valves 517

PROGEF Standard

Diaphragm valve type 517

With backing flanges PP-V metric/BS



Model:

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

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	EPDM Code	PTFE/EPDM Code	FPM Code	kg
20	15	10	125	167 517 102	167 517 112	167 517 132	167 517 162	0.480
25	20	10	271	167 517 103	167 517 113	167 517 133	167 517 163	0.628
32	25	10	481	167 517 104	167 517 114	167 517 134	167 517 164	1.296
40	32	10	759	167 517 105	167 517 115	167 517 135	167 517 165	1.640
50	40	10	1263	167 517 106	167 517 116	167 517 136	167 517 166	2.601
63	50	10	1728	167 517 107	167 517 117	167 517 137	167 517 167	3.544

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



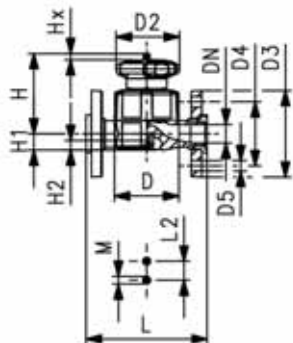
PROGEF Standard Diaphragm valve type 517 With backing flanges PP-V Inch ANSI

Model:

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

Option:

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



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg	
½	15	10	125	167 517 712	167 517 732	0.490	
¾	20	10	271	167 517 713	167 517 733	0.640	
1	25	10	481	167 517 714	167 517 734	1.316	
1 ¼	32	10	759	167 517 715	167 517 735	1.660	
1 ½	40	10	1263	167 517 716	167 517 736	2.631	
2	50	10	1728	167 517 717	167 517 737	3.572	

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



PROGEF Standard Diaphragm valve type 317 With backing flanges PP-V Inch ANSI

Model:

- Material: PP-H
- Jointing faces serrated
- With PP-V backing flanges DN 15-65
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

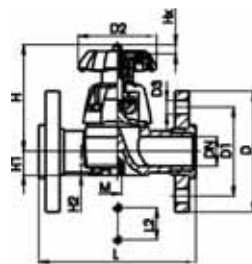
Option:

- Handwheel with built in locking mechanism

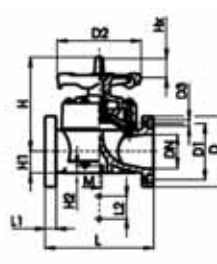
* With PP fixed flanges, jointing faces flat

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE with EPDM supporting di- aphragm Code	NBR Code	kg	
2 1/2	65	10	992	167 317 523	167 317 538		4.000	
* 3	80	10	1700	167 317 024	167 317 039	167 317 009	7.954	
* 4	100	10	2700	167 317 325	167 317 340	167 317 310	11.360	
* 6	150	7	6033	167 317 027	167 317 042	167 317 012	25.000	

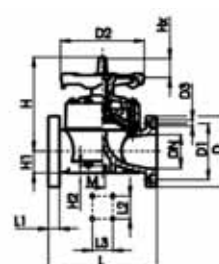
Inch	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	AL	Lift = Hx [mm]	
2 1/2	185	140	152	19	290		70		210	46	15	M8	4	35	
* 3	200	160	270	18	310	35	120		265	57	23	M12	8	40	
* 4	225	190	270	19	350	38	120		304	69	23	M12	8	50	
* 6	282	241	400	23	480	29	100	200	437	108	23	M12	8	70	



DN 15-65



DN 80-100



DN 150



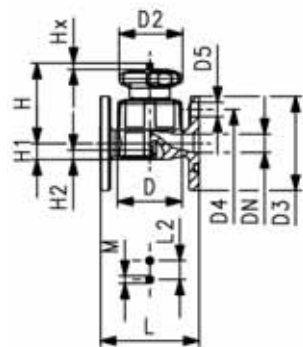
PROGEF Standard Diaphragm valve type 517 With fixed flanges PP-H JIS

Model:

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

Option:

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



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg	
1/2	15	10	125	167 517 912	167 517 932	0.434	
3/4	20	10	271	167 517 913	167 517 933	0.514	
1	25	10	481	167 517 914	167 517 934	1.168	
1 1/4	32	10	759	167 517 915	167 517 935	1.462	
1 1/2	40	10	1263	167 517 916	167 517 936	2.449	
2	50	10	1728	167 517 917	167 517 937	3.082	

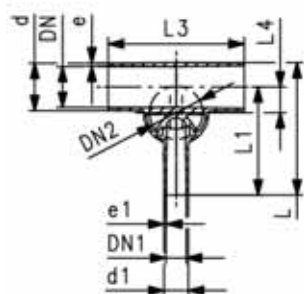
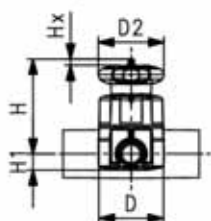
Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1/2	65	65	95	70	15	110	25	73	14	12	M6	7	
3/4	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15	
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	

Diaphragm Valves 519

PROGEF Standard

Diaphragm valve type 519

With butt fusion spigots metric



Model:

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

Option:

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

d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg
20	20	20	15	15	15	10	57	167 519 101	167 519 301	0.321
25	20	25	20	15	20	10	89	167 519 103	167 519 303	0.397
25	25	25	20	20	20	10	118	167 519 104	167 519 304	0.399
32	20	25	25	15	20	10	80	167 519 107	167 519 307	0.424
32	25	25	25	20	20	10	105	167 519 108	167 519 308	0.426
32	32	32	25	25	25	10	231	167 519 109	167 519 309	0.980
40	20	32	32	15	25	10	85	167 519 112	167 519 312	1.008
50	20	25	40	15	20	10	86	167 519 118	167 519 318	0.485
50	25	32	40	20	25	10	160	167 519 119	167 519 319	1.054
50	32	32	40	25	25	10	206	167 519 120	167 519 320	1.056
63	20	25	50	15	20	10	84	167 519 125	167 519 325	0.524
63	25	32	50	20	25	10	150	167 519 126	167 519 326	1.097
63	32	32	50	25	25	10	184	167 519 127	167 519 327	1.100

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

Electrical feedback module I40/I41

With limit switches Ag Ni or AU



Model:

- Accessory to hand operated diaphragm valve 514 - 519
- No height increase
- Easy, fast and safe installation
- Self adjusting mechanism
- Including Plug 3P+E / Protection: IP65

d-d [mm]	DN-DN [mm]	Size	Ag Ni Code	AU Code	kg
10 - 25	10 - 20	1	198 151 335	198 151 336	0.120
32 - 40	25 - 32	2	198 151 337	198 151 338	0.101
50 - 63	40 - 50	3	198 151 339	198 151 340	0.120

Butterfly valves

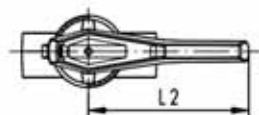
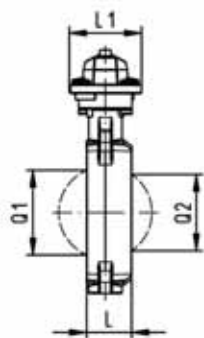
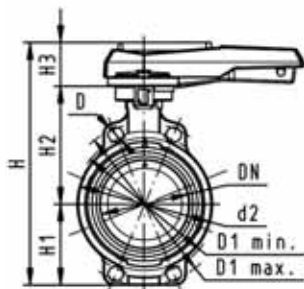
PROGEF Standard

Butterfly valve type 567

Hand lever with ratchet settings

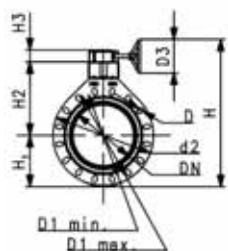
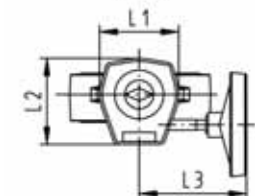
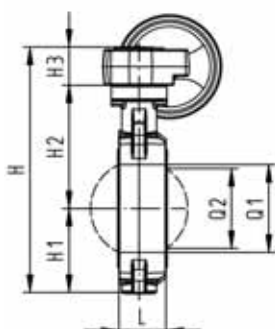
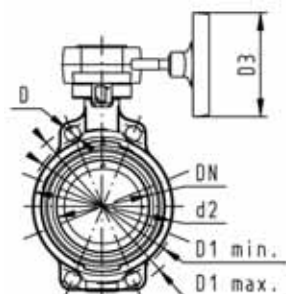
Model:

- Material: PP-H, DN350-DN600 material PP-R
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Up to DN 300: Overall length according to EN558 (DN 50-200: line 25, DN250, 300 line 16), ISO 5752
- We recommend for the dimensions DN250 and DN300 only 6 bar maximum system pressure for the hand lever version



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg	
63	50	2	10	1470	167 567 002	167 567 022	167 567 202	1.170	
75	65	2 1/2	10	2200	167 567 003	167 567 023	167 567 203	1.254	
90	80	3	10	3000	167 567 004	167 567 024	167 567 204	1.384	
110	100	4	10	6500	167 567 005	167 567 025	167 567 205	1.961	
140	125	5	10	11500	167 567 006	167 567 026	167 567 206	2.367	
160	150	6	10	16600	167 567 007	167 567 027	167 567 207	3.741	
225	200	8	10	39600	167 567 008	167 567 028	167 567 208	5.545	
280	250	10	8	55200	167 567 009	167 567 029	167 567 209	11.061	
315	300	12	8	80000	167 567 010	167 567 030	167 567 210	16.548	

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



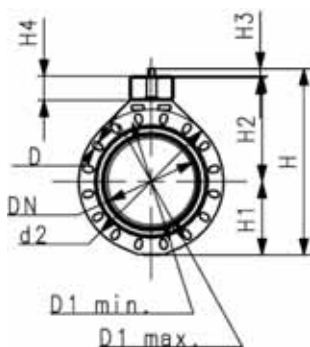
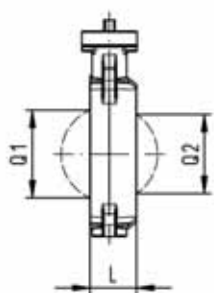
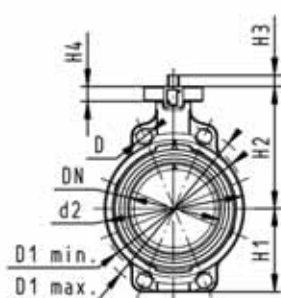
PROGEF Standard Butterfly valve type 567 Reduction gear with handwheel

Model:

- Material: PP-H, DN350-DN600 material PP-R
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Up to DN 300: Overall length according to EN558 (DN 50-200: line 25, DN250, 300 line 16), ISO 5752

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg	
63	50	2	10	1470	167 567 042	167 567 062	167 567 242	3.003	
75	65	2 ½	10	2200	167 567 043	167 567 063	167 567 243	2.781	
90	80	3	10	3000	167 567 044	167 567 064	167 567 244	3.301	
110	100	4	10	6500	167 567 045	167 567 065	167 567 245	3.736	
140	125	5	10	11500	167 567 046	167 567 066	167 567 246	2.770	
160	150	6	10	16600	167 567 047	167 567 067	167 567 247	4.969	
225	200	8	10	39600	167 567 048	167 567 068	167 567 248	8.538	
280	250	10	8	51000	167 567 049	167 567 069	167 567 249	12.884	
315	300	12	8	73000	167 567 050	167 567 070	167 567 250	16.442	
355	350	14	6	90000	167 567 051	167 567 071		40.000	
400	400	16	6	115000	167 567 052	167 567 072		50.000	
450	450	18	5	155000	167 567 053	167 567 073		70.000	
500	500	20	4	204000	167 567 054	167 567 074		90.000	
630	600	24	4	265000	167 567 055	167 567 075		125.000	

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]
63	19	120	125	104	150	77	134	50	45	110	120	155	40	
75	19	140	145	115	150	83	140	50	46	110	120	155	54	35
90	19	150	160	131	150	89	146	50	49	110	120	155	67	50
110	19	175	191	160	150	104	167	50	56	110	120	155	88	74
140	23	210	216	187	150	117	181	50	64	110	120	155	113	97
160	24	241	241	215	150	130	189	50	72	110	120	155	139	123
225	23	290	295	267	150	158	210	50	73	110	120	155	178	169
280	25	353	362	329	200	205	264	55	113	130	140	200	210	207
315	25	400	432	379	200	228	285	55	113	130	140	200	256	253
355	29	445	477	535	200	268	410	69	129	180	168	218	325	305
400	29	510	540	595	200	300	435	69	169	180	195	218	353	350
450	32	565	578	635	250	320	520	81	179	220	195	240	393	390
500	32	620	635	700	350	350	550	94	190	220	226	260	444	440
630	35	725	750	813	350	420	610	94	209	220	260	260	530	527



Butterfly valve type 567 PP-H Bare shaft

Model:

- Material: PP-H, DN350-DN600 material PP-R
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Up to DN 300: Overall length according to EN558 (DN 50-200: line 25, DN250, 300 line 16), ISO 5752
- Interface F07 for the dimensions DN50-200 according to DIN/ISO 5211
- Interface F10 for the dimensions DN250-300 according to DIN/ISO 5211
- Interface F12 for the Dimensions DN350-400 according to DIN/ISO 5211
- Interface F14 for the Dimensions DN450-600 according to DIN/ISO 5211

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg
63	50	2	10	1470	167 567 802	167 567 822	167 567 840	0.699
75	65	2 ½	10	2200	167 567 803	167 567 823	167 567 841	0.793
90	80	3	10	3000	167 567 804	167 567 824	167 567 842	0.913
110	100	4	10	6500	167 567 805	167 567 825	167 567 843	1.409
140	125	5	10	11500	167 567 806	167 567 826	167 567 844	1.831
160	150	6	10	16600	167 567 807	167 567 827	167 567 845	2.641
225	200	8	10	39600	167 567 808	167 567 828	167 567 846	4.110
280	250	10	8	51000	167 567 809	167 567 829	167 567 847	9.412
315	300	12	8	73000	167 567 810	167 567 830	167 567 848	13.054
355	350	14	6	90000	167 567 811	167 567 831		35.000
400	400	16	6	115000	167 567 812	167 567 832		45.000
450	450	18	5	155000	167 567 813	167 567 833		60.000
500	500	20	4	204000	167 567 814	167 567 834		75.000
630	600	24	4	265000	167 567 815	167 567 835		110.000

d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	D3 [mm]	D4 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	Q1 [mm]	Q2 [mm]
63	19	120	125	104	70	90	77	134	27	23	11	45	40	
75	19	140	145	115	70	90	83	140	27	23	11	46	54	35
90	19	150	160	131	70	90	89	146	27	23	11	49	67	50
110	19	175	191	161	70	90	104	167	16	23	14	56	88	74
140	23	210	216	187	70	90	117	181	16	23	14	64	113	97
160	24	241	241	215	70	90	130	189	19	23	17	72	139	123
225	23	290	295	267	70	90	158	210	19	23	17	73	178	169
280	25	353	362	329	102	125	205	264	40	23	22	113	210	207
315	25	400	432	379	102	125	228	285	40	23	22	113	256	253
355	29	445	477	535	125	180	268	410	31	100	27	129	325	305
400	29	510	540	595	125	180	300	435	31	100	27	169	353	350
450	32	565	578	635	140	220	320	520	35	120	36	179	393	390
500	32	620	635	700	140	220	350	550	35	120	36	190	444	440
630	35	725	750	813	140	220	420	610	35	120	36	209	530	527



Integrated position indicator Automatic AU

Size	DN-DN [mm]	Code	kg	
1	50 - 80	161 486 858	0.072	
2	100 - 125	161 486 304	0.055	
3	150 - 200	161 486 009	0.063	



Integrated position indicator Automatic AG NI

Size	DN-DN [mm]	Code	kg	
1	50 - 80	161 486 859	0.063	
2	100 - 125	161 486 305	0.068	
3	150 - 200	161 486 010	0.063	



Integrated position indicator Electric Namur

Size	DN-DN [mm]	Code	kg	
1	50 - 80	161 486 855	0.050	
2	100 - 125	161 486 301	0.050	
3	150 - 200	161 486 006	0.050	



Integrated position indicator Electric PNP

Size	DN-DN [mm]	Code	kg	
1	50 - 80	161 486 856	0.056	
2	100 - 125	161 486 302	0.056	
3	150 - 200	161 486 007	0.056	



Integrated position indicator Electric NPN

Size	DN-DN [mm]	Code	kg	
1	50 - 80	161 486 857	0.056	
2	100 - 125	161 486 303	0.056	
3	150 - 200	161 486 008	0.056	



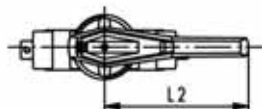
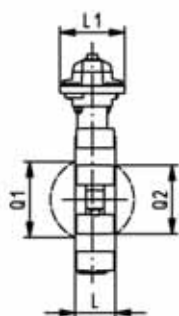
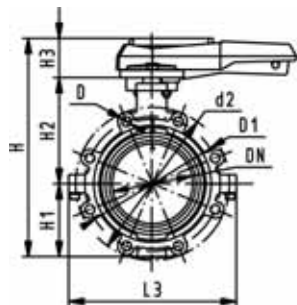
PROGEF Standard

Lugstyle butterfly valve type 568

Hand lever with ratchet settings

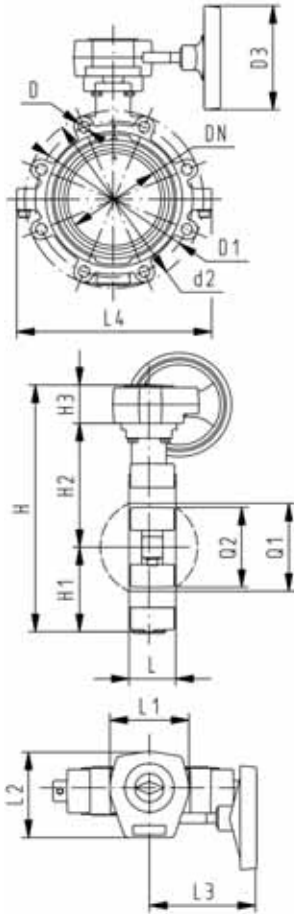
Model:

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



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg	
63	50	2	10	1470	167 568 002	167 568 022	167 568 202	3.374	
75	65	2 ½	10	2200	167 568 003	167 568 023	167 568 203	3.397	
90	80	3	10	3000	167 568 004	167 568 024	167 568 204	4.817	
110	100	4	10	6500	167 568 005	167 568 025	167 568 205	5.835	
140	125	5	10	11500	167 568 006	167 568 026	167 568 206	7.665	
160	150	6	10	16600	167 568 007	167 568 027	167 568 207	10.588	
225	200	8	10	39600	167 568 008	167 568 028	167 568 208	18.188	

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	



PROGEF Standard Lugstyle butterfly valve type 568 Reduction gear with handwheel

Model:

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

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg	
63	50	2	10	1470	167 568 042	167 568 062	167 568 242	5.093	
75	65	2 ½	10	2200	167 568 043	167 568 063	167 568 243	5.435	
90	80	3	10	3000	167 568 044	167 568 064	167 568 244	6.440	
110	100	4	10	6500	167 568 045	167 568 065	167 568 245	8.239	
140	125	5	10	11500	167 568 046	167 568 066	167 568 246	10.544	
160	150	6	10	16600	167 568 047	167 568 067	167 568 247	12.255	
225	200	8	10	39600	167 568 048	167 568 068	167 568 248	16.107	

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	150	279	77	134	50	45	110	120	155	150	40
75	170	M16	145	150	291	83	140	50	46	110	120	155	160	54
90	184	M16	160	150	303	89	146	50	49	110	120	155	205	67
110	216	M16	180	150	339	104	167	50	56	110	120	155	244	88
140	246	M16	210	150	366	117	181	50	64	110	120	155	272	113
160	273	M20	240	150	387	130	189	50	72	110	120	155	297	139
225	334	M20	295	150	436	158	210	50	73	110	120	155	360	178

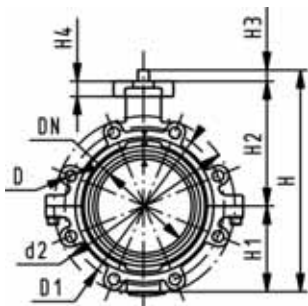
d [mm]	Q2 [mm]	
63		
75	35	
90	50	
110	74	
140	97	
160	123	
225	169	



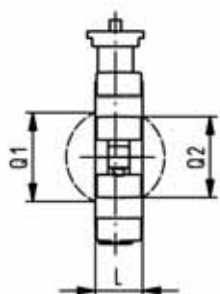
PROGEF Standard Lugstyle butterfly valve type 568 Bare shaft

Model:

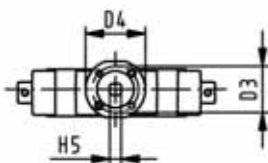
- Material: PP-H
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10
- Overall length according to EN 558, ISO 5752
- Interface F07 according to DIN/ISO 5211



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg	
63	50	2	10	1470	167 568 802	167 568 822	167 568 840	2.833	
75	65	2 ½	10	2200	167 568 803	167 568 823	167 568 841	3.175	
90	80	3	10	3000	167 568 804	167 568 824	167 568 842	4.180	
110	100	4	10	6500	167 568 805	167 568 825	167 568 843	5.565	
140	125	5	10	11500	167 568 806	167 568 826	167 568 844	7.395	
160	150	6	10	16600	167 568 807	167 568 827	167 568 845	9.179	
225	200	8	10	39600	167 568 808	167 568 828	167 568 846	13.847	



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	

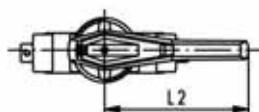
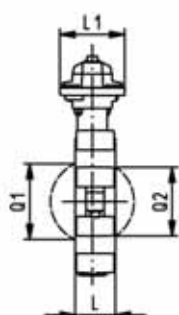
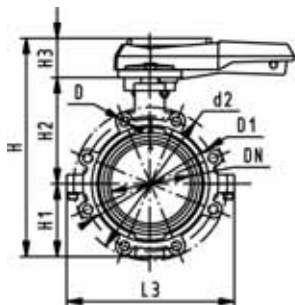




PROGEF Standard Lugstyle butterfly valve type 568 Hand lever with ratchet settings

Model:

- Material: PP-H
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI/ASME B 16.5 Class 150
- Overall length according to EN 558, ISO 5752



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg	
2	50	10	1470	167 568 102	167 568 122	167 568 302	3.055	
2 ½	65	10	2200	167 568 103	167 568 123	167 568 303	3.397	
3	80	10	3000	167 568 104	167 568 124	167 568 304	3.773	
4	100	10	6500	167 568 105	167 568 125	167 568 305	5.835	
5	125	10	11500	167 568 106	167 568 126	167 568 306	7.665	
6	150	10	16600	167 568 107	167 568 127	167 568 307	9.449	
8	200	10	39600	167 568 108	167 568 128	167 568 308	14.654	

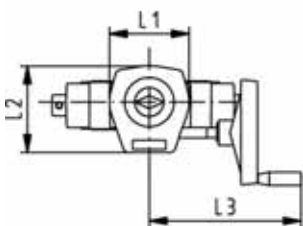
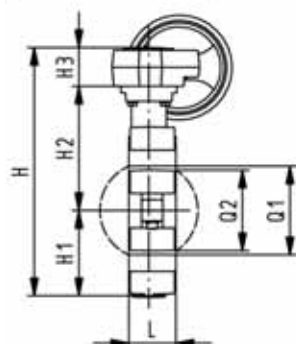
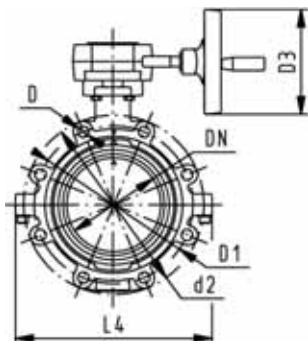
Inch	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]	
2	150	UNC 5/8	121	265	77	134	54	45	106	205	150	40		
2 ½	170	UNC 5/8	138	277	83	140	54	46	106	205	160	54	35	
3	177	UNC 5/8	152	289	89	146	54	49	106	205	175	67	50	
4	216	UNC 5/8	191	326	104	167	55	56	106	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	



PROGEF Standard Lugstyle butterfly valve type 568 Reduction gear with handwheel

Model:

- Material: PP-H
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI/ASME B 16.5 Class 150
- Overall length according to EN 558, ISO 5752



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	PTFE Code	kg	
2	50	10	1470	167 568 142	167 568 162	167 568 342	5.093	
2 ½	65	10	2200	167 568 143	167 568 163	167 568 343	5.435	
3	80	10	3000	167 568 144	167 568 164	167 568 344	5.955	
4	100	10	6500	167 568 145	167 568 165	167 568 345	7.825	
5	125	10	11500	167 568 146	167 568 166	167 568 346	9.655	
6	150	10	16600	167 568 147	167 568 167	167 568 347	11.439	
8	200	10	39600	167 568 148	167 568 168	167 568 348	16.107	

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	150	279	77	134	50	45	110	120	155	150	40
2 ½	170	UNC 5/8	138	150	291	83	140	50	46	110	120	155	160	54
3	177	UNC 5/8	152	150	303	89	146	50	49	110	120	155	175	67
4	216	UNC 5/8	191	150	339	104	167	50	56	110	120	155	244	88
5	246	UNC 3/4	216	150	366	117	181	50	64	110	120	155	272	113
6	273	UNC 3/4	241	150	387	130	189	50	72	110	120	155	297	139
8	334	UNC 3/4	298	150	436	158	210	50	73	110	120	155	360	178

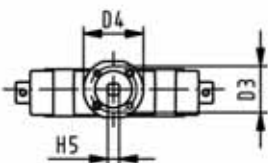
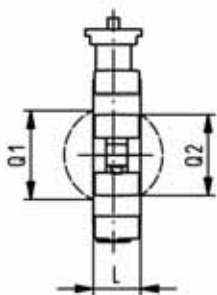
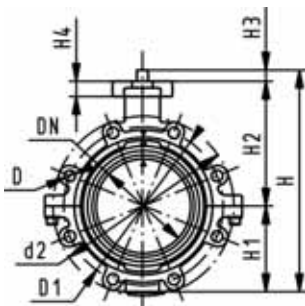
Inch	Q2 [mm]	
2		
2 ½	35	
3	50	
4	74	
5	97	
6	123	
8	169	



PROGEF Standard Lugstyle butterfly valve type 568 Bare shaft

Model:

- Material: PP-H
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI/ASME B 16.5 Class 150
- Overall length according to EN 558, 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	PTFE Code	kg	
2	50	10	1470	167 568 902	167 568 922	167 568 942	2.833	
2 ½	65	10	2200	167 568 903	167 568 923	167 568 943	3.175	
3	80	10	3000	167 568 904	167 568 924	167 568 944	3.551	
4	100	10	6500	167 568 905	167 568 925	167 568 945	5.565	
5	125	10	11500	167 568 906	167 568 926	167 568 946	7.395	
6	150	10	16600	167 568 907	167 568 927	167 568 947	9.179	
8	200	10	39600	167 568 908	167 568 928	167 568 948	13.847	

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	

Cone check valves

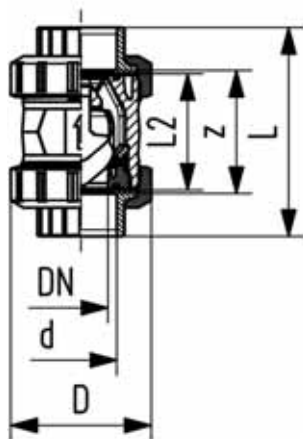
PROGEF Standard

Check valve type 561

With fusion sockets metric

Model:

- Material: PP-H
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	z [mm]
16	10	10	190	167 561 001	167 561 011	0.080	50	93	56	67
20	15	10	180	167 561 002	167 561 012	0.080	50	95	56	66
25	20	10	380	167 561 003	167 561 013	0.180	58	109	65	77
32	25	10	460	167 561 004	167 561 014	0.190	68	119	71	83
40	32	10	850	167 561 005	167 561 015	0.340	84	135	85	99
50	40	10	1080	167 561 006	167 561 016	0.480	97	147	89	105
63	50	10	1670	167 561 007	167 561 017	0.974	124	168	101	117
75	65	10	2950	167 561 008	167 561 018	2.310	166	233	136	167
90	80	10	3600	167 561 009	167 561 019	3.580	200	254	141	180
110	100	10	4150	167 561 010	167 561 020	5.930	238	301	164	215

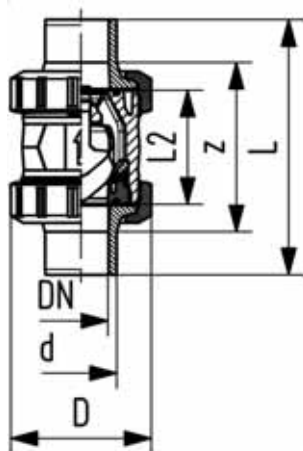
PROGEF Standard

Check valve type 561

With socket fusion spigots metric

Model:

- Material: PP-H
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



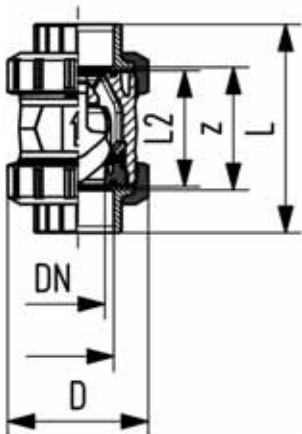
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]
16	10	10	190	167 561 041	167 561 051	0.080	50	110	56
20	15	10	180	167 561 042	167 561 052	0.090	50	120	56
25	20	10	380	167 561 043	167 561 053	0.190	58	139	65
32	25	10	460	167 561 044	167 561 054	0.200	68	150	71
40	32	10	850	167 561 045	167 561 055	0.350	84	170	85
50	40	10	1080	167 561 046	167 561 056	0.510	97	190	89
63	50	10	1670	167 561 047	167 561 057	0.950	124	220	101
75	65	10	2950	167 561 048	167 561 058	2.370	166	280	136
90	80	10	3600	167 561 049	167 561 059	3.750	200	296	141
110	100	10	4150	167 561 050	167 561 060	5.980	238	336	164



PROGEF Standard Check valve type 561 With threaded sockets reinforced Rp

Model:

- Material: PP-H
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



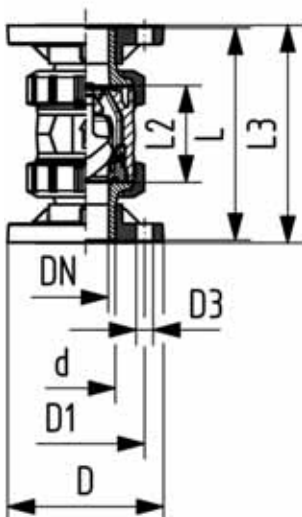
Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	z [mm]	
3/8	10	10	190	167 561 021	167 561 031	0.080	50	96	56	69	
1/2	15	10	180	167 561 022	167 561 032	0.090	50	99	56	67	
3/4	20	10	380	167 561 023	167 561 033	0.180	58	111	65	78	
1	25	10	460	167 561 024	167 561 034	0.210	68	127	71	85	
1 1/4	32	10	850	167 561 025	167 561 035	0.360	84	146	85	100	
1 1/2	40	10	1080	167 561 026	167 561 036	0.510	97	157	89	106	
2	50	10	1670	167 561 027	167 561 037	0.920	124	183	101	121	



PROGEF Standard Check valve type 561 With fixed flanges metric

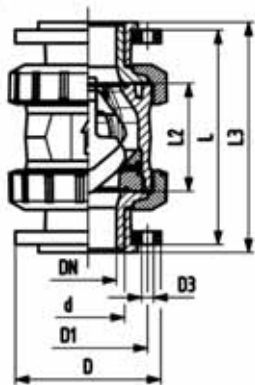
Model:

- Material: PP-H
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	180	167 561 182	167 561 192	0.220	
25	20	10	380	167 561 183	167 561 193	0.350	
32	25	10	460	167 561 184	167 561 194	0.440	
40	32	10	850	167 561 185	167 561 195	0.730	
50	40	10	1080	167 561 186	167 561 196	0.970	
63	50	10	1670	167 561 187	167 561 197	1.600	

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	
20	95	65	14	120	56	130	
25	105	75	14	140	65	150	
32	115	85	14	150	71	160	
40	140	100	18	170	85	180	
50	150	110	18	190	89	200	
63	165	125	18	220	101	230	



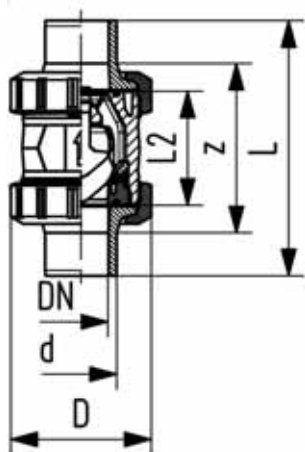
PROGEF Standard Check valve type 561 With backing flanges PP-st metric

Model:

- Material: PP-H
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Overall length according to EN 558
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	10	2950	167 561 428	167 561 438	4.720	
90	80	10	3600	167 561 429	167 561 439	6.860	
110	100	10	4150	167 561 430	167 561 440	9.300	

d [mm]	D [mm]	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	
75	166	145	18	149	85	280	270	136	290	70	64	206	M8	
90	200	160	18	161	105	296	270	141	310	70	64	206	M8	
110	238	180	18	178	123	336	320	164	350	120	64	256	M12	



PROGEF Standard Check valve type 561 With butt fusion spigots SDR17,6 metric

Model:

- Material: PP-H
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

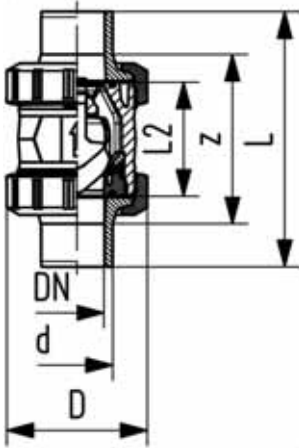
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	e [mm]	
50	40	10	1080	167 561 066	167 561 076	0.510	97	191	89	2.9	
63	50	10	1670	167 561 067	167 561 077	0.940	124	220	101	3.6	
75	65	10	2950	167 561 068	167 561 078	2.360	166	266	136	4.7	
90	80	10	3600	167 561 069	167 561 079	3.670	200	264	141	5.5	
110	100	10	4150	167 561 070	167 561 080	5.820	238	301	164	6.8	



PROGEF Standard Check valve type 561 With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



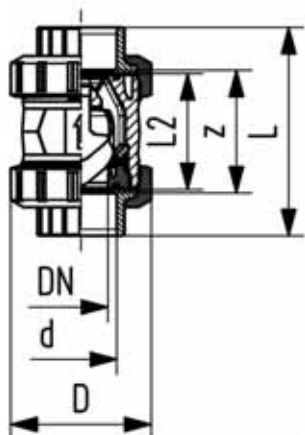
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	e [mm]	
20	15	10	180	167 561 082	167 561 092	0.080	50	130	56	1.9	
25	20	10	380	167 561 083	167 561 093	0.180	58	143	65	2.3	
32	25	10	460	167 561 084	167 561 094	0.190	68	150	71	2.9	
40	32	10	850	167 561 085	167 561 095	0.340	84	171	85	3.7	
50	40	10	1080	167 561 086	167 561 096	0.490	97	191	89	4.6	
63	50	10	1670	167 561 087	167 561 097	0.930	124	220	101	5.8	
75	65	10	2950	167 561 088	167 561 098	2.360	166	266	136	6.8	
90	80	10	3600	167 561 089	167 561 099	3.680	200	264	141	8.2	
110	100	10	4150	167 561 090	167 561 100	5.830	238	301	164	10.0	



PROGEF Standard Check valve type 562 With fusion sockets metric

Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



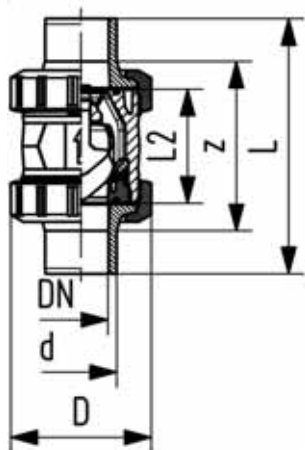
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	z [mm]
16	10	10	190	167 562 001	167 562 011	0.080	50	93	56	67
20	15	10	180	167 562 002	167 562 012	0.080	50	95	56	66
25	20	10	380	167 562 003	167 562 013	0.180	58	109	65	77
32	25	10	460	167 562 004	167 562 014	0.190	68	119	71	83
40	32	10	850	167 562 005	167 562 015	0.340	84	135	85	99
50	40	10	1080	167 562 006	167 562 016	0.480	97	147	89	105
63	50	10	1670	167 562 007	167 562 017	0.880	124	168	101	117
75	65	10	2950	167 562 008	167 562 018	2.310	166	233	136	167
90	80	10	3600	167 562 009	167 562 019	3.580	200	254	141	180
110	100	10	4150	167 562 010	167 562 020	5.930	238	301	164	215



PROGEF Standard Check valve type 562 With socket fusion spigots metric

Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



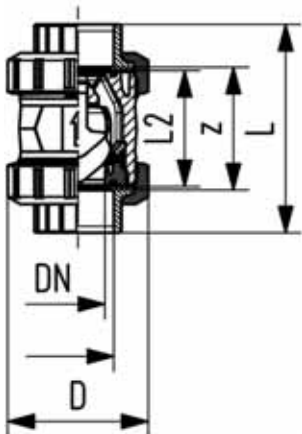
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]
16	10	10	190	167 562 041	167 562 051	0.080	50	110	56
20	15	10	180	167 562 042	167 562 052	0.090	50	120	56
25	20	10	380	167 562 043	167 562 053	0.190	58	139	65
32	25	10	460	167 562 044	167 562 054	0.200	68	150	71
40	32	10	850	167 562 045	167 562 055	0.350	84	170	85
50	40	10	1080	167 562 046	167 562 056	0.510	97	190	89
63	50	10	1670	167 562 047	167 562 057	0.950	124	220	101
75	65	10	2950	167 562 048	167 562 058	2.370	166	280	136
90	80	10	3600	167 562 049	167 562 059	3.750	200	296	141
110	100	10	4150	167 562 050	167 562 060	5.980	238	336	164



PROGEF Standard Check valve type 562 With threaded sockets reinforced Rp

Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



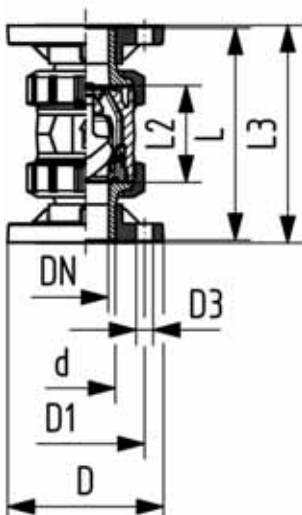
Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	z [mm]	
3/8	10	10	190	167 562 021	167 562 031	0.080	50	96	56	69	
1/2	15	10	180	167 562 022	167 562 032	0.090	50	99	56	67	
3/4	20	10	380	167 562 023	167 562 033	0.180	58	111	65	78	
1	25	10	460	167 562 024	167 562 034	0.210	68	127	71	85	
1 1/4	32	10	850	167 562 025	167 562 035	0.360	84	146	85	100	
1 1/2	40	10	1080	167 562 026	167 562 036	0.510	97	157	89	106	
2	50	10	1670	167 562 027	167 562 037	0.920	124	183	101	121	



PROGEF Standard Check valve type 562 With fixed flanges metric

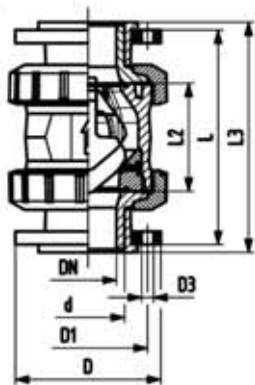
Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Installation length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	180	167 562 182	167 562 192	0.220	
25	20	10	380	167 562 183	167 562 193	0.350	
32	25	10	460	167 562 184	167 562 194	0.440	
40	32	10	850	167 562 185	167 562 195	0.730	
50	40	10	1080	167 562 186	167 562 196	0.970	
63	50	10	1670	167 562 187	167 562 197	1.600	

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L2 [mm]	L3 [mm]	
20	95	65	14	120	56	130	
25	105	75	14	140	65	150	
32	115	85	14	150	71	160	
40	140	100	18	170	85	180	
50	150	110	18	190	89	200	
63	165	125	18	220	101	230	



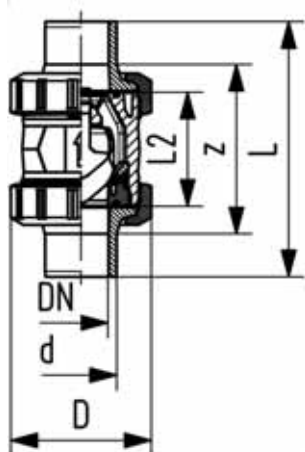
PROGEF Standard Check valve type 562 With backing flanges PP-st metric

Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360
- Overall length according to EN 558
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
75	65	10	2950	167 562 428	167 562 438	4.720								
90	80	10	3600	167 562 429	167 562 439	6.860								
110	100	10	4150	167 562 430	167 562 440	9.300								

d [mm]	D [mm]	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	
75	166	145	18	149	85	280	270	136	290	70	64	206	M8	
90	200	160	18	161	105	296	270	141	310	70	64	206	M8	
110	238	180	18	178	123	336	320	164	350	120	64	256	M12	



PROGEF Standard Check valve type 562 With butt fusion spigots SDR17,6 metric

Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360

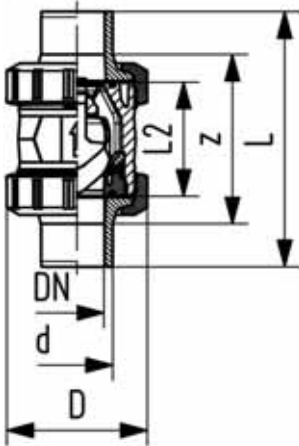
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	e [mm]	
50	40	10	1080	167 562 066	167 562 076	0.510	97	191	89	2.9	
63	50	10	1670	167 562 067	167 562 077	0.940	124	220	101	3.6	
75	65	10	2950	167 562 068	167 562 078	2.360	166	266	136	4.7	
90	80	10	3600	167 562 069	167 562 079	3.670	200	264	141	5.5	
110	100	10	4150	167 562 070	167 562 080	5.820	238	301	164	6.8	



PROGEF Standard Check valve type 562 With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	e [mm]	
20	15	10	180	167 562 082	167 562 092	0.080	50	130	56	1.9	
25	20	10	380	167 562 083	167 562 093	0.180	58	143	65	2.3	
32	25	10	460	167 562 084	167 562 094	0.190	68	150	71	2.9	
40	32	10	850	167 562 085	167 562 095	0.340	84	171	85	3.7	
50	40	10	1080	167 562 086	167 562 096	0.490	97	191	89	4.6	
63	50	10	1670	167 562 087	167 562 097	0.930	124	220	101	5.8	
75	65	10	2950	167 562 088	167 562 098	2.360	166	266	136	6.8	
90	80	10	3600	167 562 089	167 562 099	3.680	200	264	141	8.2	
110	100	10	4150	167 562 090	167 562 100	5.830	238	301	164	10.0	

Air release valve

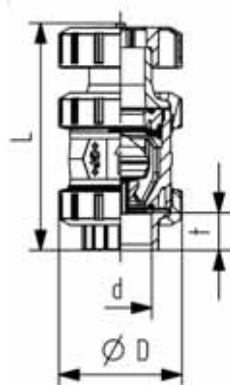
PROGEF Standard

Ventilating and bleed valve type 591

With fusion sockets metric

Model:

- Material: PP-H
- With protection cap up to DN50 made of PP-GF, DN65-100 made of POM
- Floater made of PP-H
- Designed for easy installation and removal
- Compact installation length



d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	D [mm]	L [mm]	t [mm]	
16	10	10	167 591 001	167 591 011	0.097	50	126	14	
20	15	10	167 591 002	167 591 012	0.097	50	127	15	
25	20	10	167 591 003	167 591 013	0.203	58	142	16	
32	25	10	167 591 004	167 591 014	0.224	68	153	18	
40	32	10	167 591 005	167 591 015	0.392	84	171	19	
50	40	10	167 591 006	167 591 016	0.549	97	190	21	
63	50	10	167 591 007	167 591 017	0.986	124	219	28	
75	65	10	167 591 008	167 591 018	2.310	166	256	29	
90	80	10	167 591 009	167 591 019	3.580	200	275	33	
110	100	10	167 591 010	167 591 020	5.930	238	318	39	

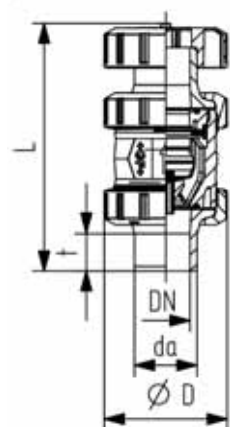
PROGEF Standard

Ventilating and bleed valve type 591

With socket fusion spigots metric

Model:

- Material: PP-H
- With protection cap up to DN50 made of PP-GF, DN65-100 made of POM
- Floater made of PP-H
- Designed for easy installation and removal
- Compact installation length

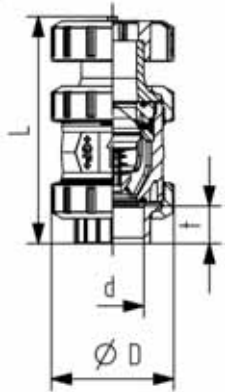


d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	D [mm]	L [mm]	t [mm]	
16	10	10	167 591 041	167 591 051	0.097	50	135	13	
20	15	10	167 591 042	167 591 052	0.107	50	140	14	
25	20	10	167 591 043	167 591 053	0.213	58	157	16	
32	25	10	167 591 044	167 591 054	0.234	68	168	18	
40	32	10	167 591 045	167 591 055	0.402	84	189	20	
50	40	10	167 591 046	167 591 056	0.579	97	211	23	
63	50	10	167 591 047	167 591 057	1.056	124	245	27	
75	65	10	167 591 048	167 591 058	2.370	166	280	48	
90	80	10	167 591 049	167 591 059	3.750	200	296	49	
110	100	10	167 591 050	167 591 060	5.980	238	336	54	

PROGEF Standard Ventilating valve type 595 With fusion sockets metric

Model:

- Material: PP-H
- With protection cap up to DN50 made of PP-GF, DN65-100 made of POM
- Spring loaded, spring made of NIMONIC 90, HALAR coated
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Compact installation length

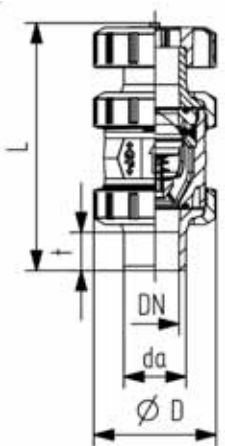


d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	D [mm]	L [mm]	t [mm]	
16	10	10	167 595 001	167 595 011	0.097	50	126	14	
20	15	10	167 595 002	167 595 012	0.097	50	127	15	
25	20	10	167 595 003	167 595 013	0.203	58	142	16	
32	25	10	167 595 004	167 595 014	0.224	68	153	18	
40	32	10	167 595 005	167 595 015	0.392	84	171	19	
50	40	10	167 595 006	167 595 016	0.549	97	190	21	
63	50	10	167 595 007	167 595 017	0.986	124	219	28	
75	65	10	167 595 008	167 595 018	2.310	166	256	29	
90	80	10	167 595 009	167 595 019	3.580	200	275	33	
110	100	10	167 595 010	167 595 020	5.930	238	318	39	

PROGEF Standard Ventilating valve type 595 With socket fusion spigots metric

Model:

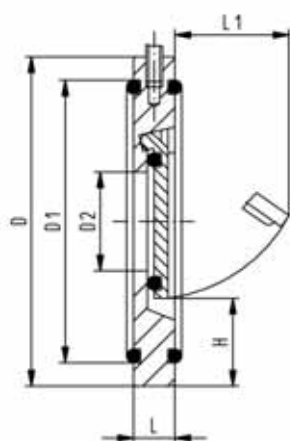
- Material: PP-H
- With protection cap up to DN50 made of PP-GF, DN65-100 made of POM
- Spring loaded, spring made of NIMONIC 90, HALAR coated
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Compact installation length



d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	D [mm]	L [mm]	t [mm]	
16	10	10	167 595 041	167 595 051	0.097	50	135	13	
20	15	10	167 595 042	167 595 052	0.107	50	140	14	
25	20	10	167 595 043	167 595 053	0.213	58	157	16	
32	25	10	167 595 044	167 595 054	0.234	68	168	18	
40	32	10	167 595 045	167 595 055	0.402	84	189	20	
50	40	10	167 595 046	167 595 056	0.579	97	211	23	
63	50	10	167 595 047	167 595 057	1.056	124	245	27	
75	65	10	167 595 048	167 595 058	2.370	166	280	48	
90	80	10	167 595 049	167 595 059	3.750	200	296	49	
110	100	10	167 595 050	167 595 060	5.980	238	336	54	

Wafer Check Valves 369

PROGEF Standard Wafer check valve type 369 Without spring



Model:

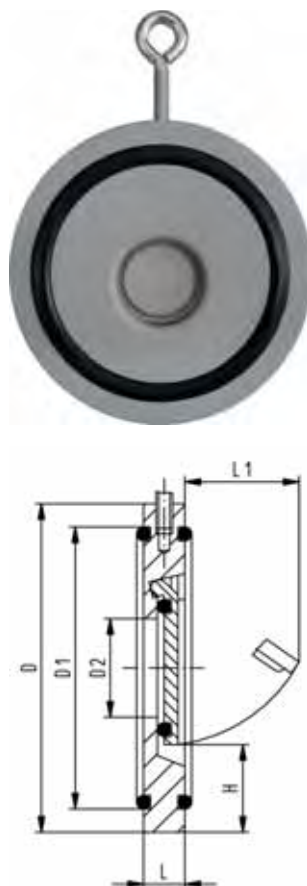
- Material: PP-H
- Supporting eyelets for simple fitting
- Suitable for vertical and horizontal mounting

Installation instruction:

- Installation between ISO/DIN (all dimensions) and ANSI flange adaptors (all except DN32 and DN125)
- It is necessary to use a special outlet flange adaptor PP or PE on the outgoing side of the wafer check valve
- Centering by body diameter
- Sealing with special flange gasket (except DN32, o-ring)
- A stabilizing zone of at least 5 times nominal diameter (DN) should be provided before and after the wafer check valve (10 times DN is recommended)
- No direct installation on pump flange or following bend allowed
- Wafer check valves without reset spring are not recommended for pulsating flows (production of noise)

d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg
40	32	6	167 369 002	167 369 022	0.084
50	40	10	167 369 003	167 369 023	0.110
63	50	10	167 369 004	167 369 024	0.159
75	65	10	167 369 005	167 369 025	0.232
90	80	10	167 369 006	167 369 026	0.264
110	100	10	167 369 007	167 369 027	0.405
140	125	10	167 369 009	167 369 029	0.594
160	150	6	167 369 010	167 369 030	0.805
225	200	6	167 369 011	167 369 031	1.400
280	250	6	167 369 012	167 369 032	2.400
315	300	6	167 369 013	167 369 033	3.520

d [mm]	D [mm]	D1 [mm]	D2 [mm]	H [mm]	L [mm]	L1 [mm]	Opening pressure vertical [mbar]	Opening pressure hor- izontal [mbar]	Minimum water col- umn for sealing [m]
40	85	59	18	25	15	22	10	1	3.0
50	95	72	22	28	16	27	10	1	3.0
63	109	86	32	29	18	40	10	1	3.0
75	129	105	40	31	20	55	10	1	3.0
90	144	119	54	32	20	67	10	1	3.0
110	164	146	70	31	23	67	10	1	3.0
140	195	173	92	35	23	94	10	1	3.0
160	220	197	105	42	26	100	10	1	3.0
225	275	255	154	38	35	152	18	1	3.0
280	330	312	192	41	40	180	18	1	3.0
315	380	363	227	41	45	215	18	1	3.0



PROGEF Standard

Wafer check valve type 369

With V4A spring (stainless steel 316)

Model:

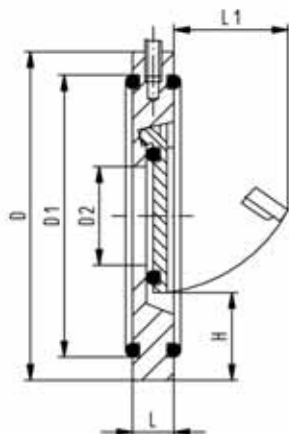
- Material: PP-H
- Supporting eyelets for simple fitting
- Suitable for vertical and horizontal mounting

Installation instruction:

- Installation between ISO/DIN (all dimensions) and ANSI flange adaptors (all except DN32 and DN125)
- It is necessary to use a special outlet flange adaptor PP or PE on the outgoing side of the wafer check valve
- Centering by body diameter
- Sealing with special flange gasket (except DN32, o-ring)
- A stabilizing zone of at least 5 times nominal diameter (DN) should be provided before and after the wafer check valve (10 times DN is recommended)
- No direct installation on pump flange or following bend allowed

d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg
40	32	6	167 369 042	167 369 062	0.071
50	40	10	167 369 043	167 369 063	0.100
63	50	10	167 369 044	167 369 064	0.170
75	65	10	167 369 045	167 369 065	0.245
90	80	10	167 369 046	167 369 066	0.260
110	100	10	167 369 047	167 369 067	0.370
140	125	10	167 369 049	167 369 069	0.500
160	150	6	167 369 050	167 369 070	0.740
225	200	6	167 369 051	167 369 071	1.400
280	250	6	167 369 052	167 369 072	2.400
315	300	6	167 369 053	167 369 073	3.520

d [mm]	D [mm]	D1 [mm]	D2 [mm]	H [mm]	L [mm]	L1 [mm]	Opening pressure vertical [mbar]	Opening pressure hor- izontal [mbar]	Minimum water col- umn for sealing [m]
40	85	59	18	25	15	22	30	20	3.0
50	95	72	22	28	16	27	30	20	3.0
63	109	86	32	29	18	40	30	20	3.0
75	129	105	40	31	20	55	30	20	3.0
90	144	119	54	32	20	67	30	20	3.0
110	164	146	70	31	23	67	30	20	3.0
140	195	173	92	35	23	94	30	20	3.0
160	220	197	105	42	26	100	30	20	3.0
225	275	255	154	38	35	152	38	20	3.0
280	330	312	192	41	40	180	38	20	3.0
315	380	363	227	41	45	215	38	20	3.0



PROGEF Standard Wafer check valve type 369 With Hastelloy C spring

Model:

- Material: PP-H
- Supporting eyelets for simple fitting
- Suitable for vertical and horizontal mounting

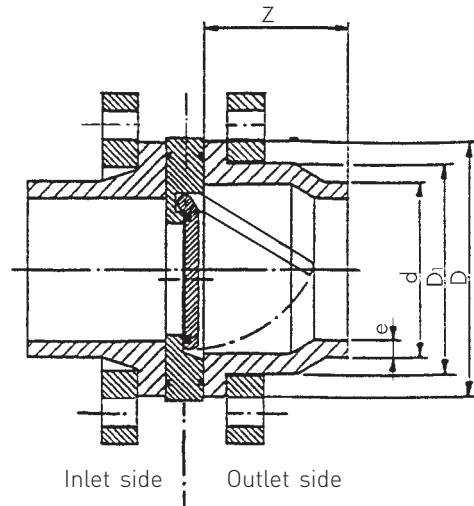
Installation instruction:

- Installation between ISO/DIN (all dimensions) and ANSI flange adaptors (all except DN32 and DN125)
- It is necessary to use a special outlet flange adaptor PP or PE on the outgoing side of the wafer check valve
- Centering by body diameter
- Sealing with special flange gasket (except DN32, o-ring)
- A stabilizing zone of at least 5 times nominal diameter (DN) should be provided before and after the wafer check valve (10 times DN is recommended)
- No direct installation on pump flange or following bend allowed

d [mm]	DN [mm]	PN	EPDM Code	FPM Code	kg	
40	32	6	167 369 082	167 369 102	0.090	
50	40	10	167 369 083	167 369 103	0.097	
63	50	10	167 369 084	167 369 104	0.170	
75	65	10	167 369 085	167 369 105	0.220	
90	80	10	167 369 086	167 369 106	0.264	
110	100	10	167 369 087	167 369 107	0.370	
140	125	10	167 369 089	167 369 109	0.500	
160	150	6	167 369 090	167 369 110	0.760	
225	200	6	167 369 091	167 369 111	1.400	
280	250	6	167 369 092	167 369 112	2.400	
315	300	6	167 369 093	167 369 113	3.520	

d [mm]	D [mm]	D1 [mm]	D2 [mm]	H [mm]	L [mm]	L1 [mm]	Opening pressure vertical [mbar]	Opening pressure hor- izontal [mbar]	Minimum water col- umn for sealing [m]	
40	85	59	18	25	15	22	30	20	3.0	
50	95	72	22	28	16	27	30	20	3.0	
63	109	86	32	29	18	40	30	20	3.0	
75	129	105	40	31	20	55	30	20	3.0	
90	144	119	54	32	20	67	30	20	3.0	
110	164	146	70	31	23	67	30	20	3.0	
140	195	173	92	35	23	94	30	20	3.0	
160	220	197	105	42	26	100	30	20	3.0	
225	275	255	154	38	35	152	38	20	3.0	
280	330	312	192	41	40	180	38	20	3.0	
315	380	363	227	41	45	215	38	20	3.0	

Component Parts for Flange Assembly, Type 369 PP



Warning: This outlet flange adaptor has to be installed on the outlet side!

Socket Fusion System PP/PE Inlet side

PP/PE
Flange adaptor
metric

d	DN	Inch	PP Code	PE Code				
40	32	1 ¹ / ₄	727 790 209	753 790 209				
50	40	1 ¹ / ₂	727 790 210	753 790 210				
63	50	2	727 790 211	753 790 211				
75	65	2 ¹ / ₂	727 790 212	753 790 212				
90	80	3	727 790 213	753 790 213				
110	100	4	727 790 214	753 790 214				

Backing flange metric
for socket fusion systems
Connecting dimension
DIN 2501 PN 10

d	DN	Inch	for flange adaptor metric PP-V black	for flange adaptor metric PP with steel ring				
40	32	1 ¹ / ₄	727 700 409	727 700 209				
50	40	1 ¹ / ₂	727 700 410	727 700 210				
63	50	2	727 700 411	727 700 211				
75	65	2 ¹ / ₂	727 700 412	727 700 212				
90	80	3	727 700 413	727 700 213				
110	100	4	727 700 414	727 700 214				

Outlet side

PP/PE
Outlet flange adaptor
with fusion socket
metric

d	DN	Inch	Joining face flat PP Code	Joining face flat PE Code	D	D ₁	Z	
40	32	1 ¹ / ₄	727 800 009	733 800 009	61	50	35	
50	40	1 ¹ / ₂	727 800 010	733 800 010	73	61	38	
63	50	2	727 800 011	733 800 011	90	76	41	
75	65	2 ¹ / ₂	727 800 012	733 800 012	106	90	49	
90	80	3	727 800 013	733 800 013	125	108	65	
110	100	4	727 800 014	733 800 014	150	130	62	

Backing flange metric
for socket fusion systems
Connecting dimension
DIN 2501 PN 10

d	DN	Inch	for outlet flange adaptor PP-V black	for outlet flange adaptor PP with steel ring				
40	32	1 ¹ / ₄	727 700 409	727 700 209				
50	40	1 ¹ / ₂	727 700 410	727 700 210				
63	50	2	727 700 411	727 700 211				
75	65	2 ¹ / ₂	727 700 412	727 700 212				
90	80	3	727 700 413	727 700 213				
110	100	4	727 700 414	727 700 214				

Component Parts for Flange Assembly, Type 369 PP

Butt Fusion System PP/PE Inlet side

PP/PE
Flange Adapter
metric SDR 11

d	DN	Inch	PP Code		PE Code					
40	32	1¼	727 798 509		753 798 609					
50	40	1½	727 798 510		753 798 610					
63	50	2	727 798 511		753 798 611					
75	65	2½	727 798 512		753 798 612					
90	80	3	727 798 513		753 798 613					
110	100	4	727 798 514		753 798 614					
140	125	5	727 798 516		753 798 616					
160	150	6	727 798 517		753 798 617					
225	200	8	727 798 520		753 798 620					
280	250	10	727 798 572		753 798 672					
315	300	12	727 798 573		753 798 673					

PP/PE
Flange Adapter
metric SDR 17,6

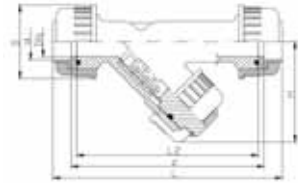
d	DN	Inch	PP Code		PE Code					
40	32	1¼	--		--					
50	40	1½	727 798 535		753 798 535					
63	50	2	727 798 536		753 798 536					
75	65	2½	727 798 412		753 798 512					
90	80	3	727 798 413		753 798 513					
			727 798 414		753 798 514					
110	100	4								
140	125	5	727 798 541		753 798 541					
160	150	6	727 798 542		753 798 542					
225	200	8	727 798 545		753 798 545					
280	250	10	727 798 547		753 798 547					
315	300	12	727 798 548		753 798 548					

Backing flange metric
for butt fusion systems
Connecting dimension
DIN 2501 PN 10

d	DN	Inch	for Flange Adapter PP-V black		for Flange Adapter PP with steel ring					
40	32	1¼	727 700 409		727 700 209					
50	40	1½	727 700 410		727 700 210					
63	50	2	727 700 411		727 700 211					
75	65	2½	727 700 412		727 700 212					
90	80	3	727 700 513		727 700 313					
110	100	4	727 700 514		727 700 314					
140	125	5	727 700 516		727 700 316					
160	150	6	727 700 517		727 700 317					
225	200	8	727 700 520		727 700 320					
280	250	10	727 700 522		727 700 322					
315	300	12	727 700 523		727 700 323					

Strainers 305

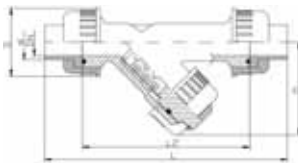
PROGEF Standard Line strainer type 305 With fusion sockets metric



Model:

- Material: PP-H
- For easy installation and removal
- Protects valves, pumps, etc. from becoming soiled
- Screen perforation 0.5 mm
- Overall length according to EN 558
- Easy dismantling for cleaning the screens

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	H [mm]	z [mm]
20	15	10	35	167 305 000	167 305 049	0.214	52	168	130	75	140
25	20	10	65	167 305 050	167 305 099	0.257	62	192	150	80	160
32	25	10	90	167 305 100	167 305 149	0.327	68	206	160	90	170
40	32	10	155	167 305 150	167 305 199	0.586	85	230	180	110	190
50	40	10	225	167 305 200	167 305 249	0.748	85	256	200	125	210
63	50	10	370	167 305 250	167 305 299	1.185	102	294	230	150	240



PROGEF Standard Line strainer type 305 With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H
- For easy installation and removal
- Protects valves, pumps, etc. from becoming soiled
- Screen perforation 0.5 mm
- Overall length according to EN 558
- Easy dismantling for cleaning the screens

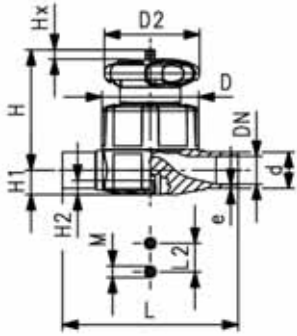
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	H [mm]	e [mm]
20	15	10	35	167 305 300	167 305 349	0.219	52	238	130	75	1.9
25	20	10	65	167 305 350	167 305 399	0.268	62	264	150	80	2.3
32	25	10	90	167 305 400	167 305 449	0.354	68	280	160	90	3.0
40	32	10	155	167 305 450	167 305 499	0.660	85	306	180	110	3.7
50	40	10	225	167 305 500	167 305 549	0.816	85	332	200	125	4.6
63	50	10	370	167 305 550	167 305 599	1.295	102	368	230	150	5.8

Diaphragm Valves

PROGEF Natural

Diaphragm valve type 515

With butt fusion spigots SDR11 metric



Model:

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

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg
20	15	10	125	168 515 112	168 515 132	0.308
25	20	10	271	168 515 113	168 515 133	0.393
32	25	10	481	168 515 114	168 515 134	0.969
40	32	10	759	168 515 115	168 515 135	1.125
50	40	10	1263	168 515 116	168 515 136	2.083
63	50	10	1728	168 515 117	168 515 137	2.630

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



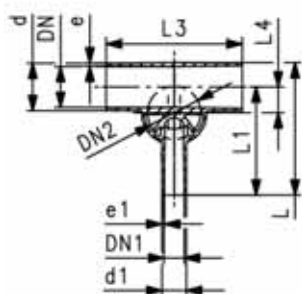
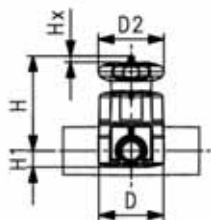
PROGEF Natural Diaphragm valve type 519 With butt fusion spigots SDR11 metric

Model:

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

Option:

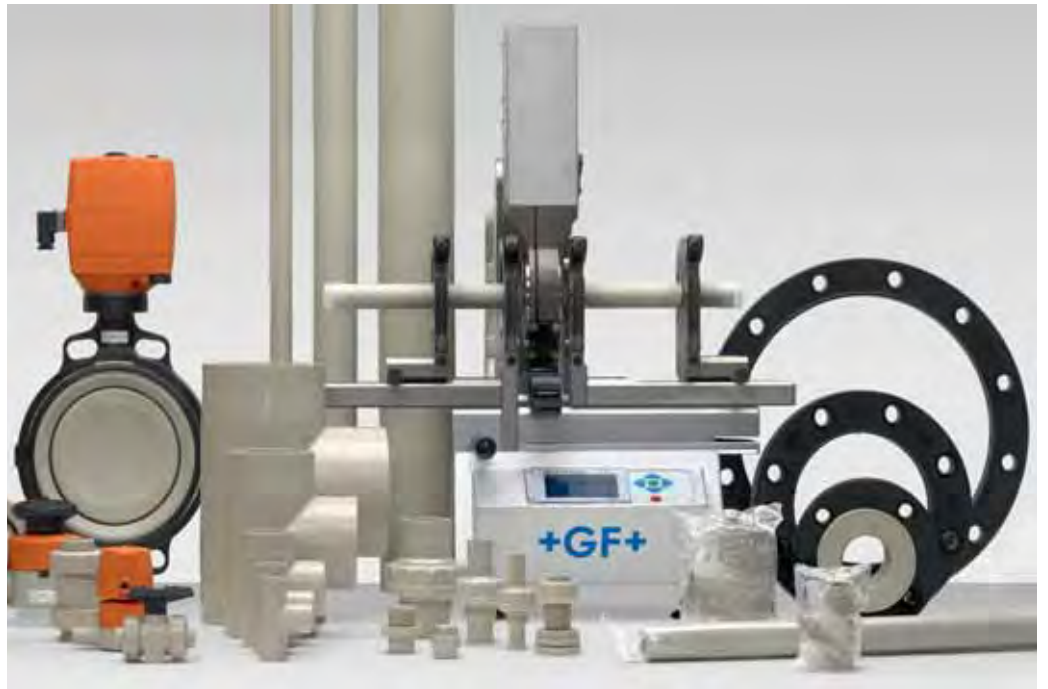
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg
20	20	20	15	15	15	10	57	168 519 101	168 519 301	0.321
25	20	25	20	15	20	10	89	168 519 103	168 519 303	0.397
25	25	25	20	20	20	10	118	168 519 104	168 519 304	0.399
32	20	25	25	15	20	10	80	168 519 107	168 519 307	0.424
32	25	25	25	20	20	10	105	168 519 108	168 519 308	0.426
32	32	32	25	25	25	10	231	168 519 109	168 519 309	0.980
40	20	32	32	15	25	10	85	168 519 112	168 519 312	1.008
50	20	25	40	15	20	10	86	168 519 118	168 519 318	0.485
50	25	32	40	20	25	10	160	168 519 119	168 519 319	1.054
50	32	32	40	25	25	10	206	168 519 120	168 519 320	1.056
63	20	25	50	15	20	10	84	168 519 125	168 519 325	0.524
63	25	32	50	20	25	10	150	168 519 126	168 519 326	1.097
63	32	32	50	25	25	10	184	168 519 127	168 519 327	1.100

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

PROGEF® Plus General Information



- Pipes
- Butt Fusion System

Ball Valve

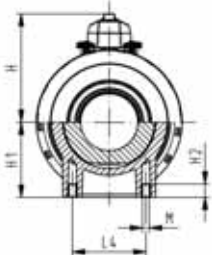
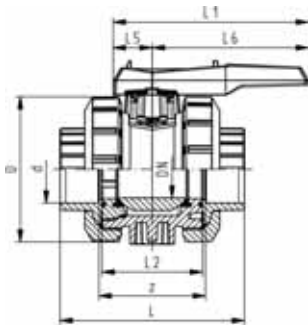
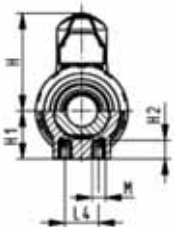
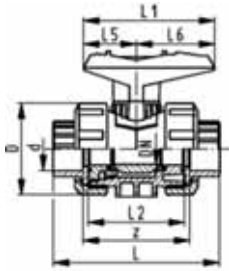
Ball Valve Type 546, PP-H SF with mounting inserts With fusion sockets metric

Model:

- Material: PP-H / silicone free cleaned
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PVDF

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches

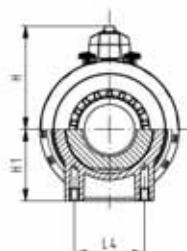
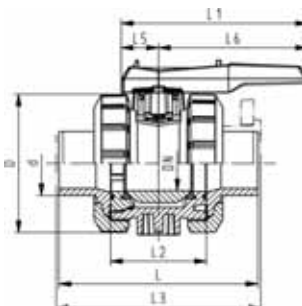
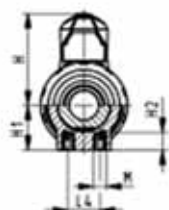
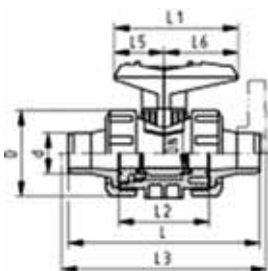


d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	71	167 546 601	167 546 611	0.115	
20	15	10	185	167 546 602	167 546 612	0.115	
25	20	10	350	167 546 603	167 546 613	0.180	
32	25	10	700	167 546 604	167 546 614	0.255	
40	32	10	1000	167 546 605	167 546 615	0.440	
50	40	10	1600	167 546 606	167 546 616	0.610	
63	50	10	3100	167 546 607	167 546 617	1.145	
75	65	10	5000	167 546 608	167 546 618	3.700	
90	80	10	7000	167 546 609	167 546 619	5.500	
110	100	10	11000	167 546 610	167 546 620	8.700	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
16	50	57	27	12	93	77	56	25	32	45	M6	67	
20	50	57	27	12	95	77	56	25	32	45	M6	66	
25	58	67	30	12	108	97	65	25	39	58	M6	77	
32	68	73	36	12	118	97	71	25	39	58	M6	83	
40	84	90	44	15	137	128	85	45	54	74	M8	99	
50	97	97	51	15	147	128	89	45	54	74	M8	105	
63	124	116	64	15	168	152	101	45	66	87	M8	117	
75	166	149	85	15	233	270	136	70	64	206	M8	167	
90	200	161	105	15	254	270	141	70	64	206	M8	180	
110	238	178	123	22	301	320	164	120	64	256	M12	215	



DN10/15 - 50



Ball Valve Type 546, PP-H SF with mounting inserts With socket fusion spigots metric

Model:

- Material: PP-H / silicone free cleaned
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PVDF

Option:

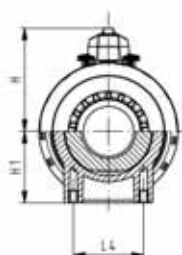
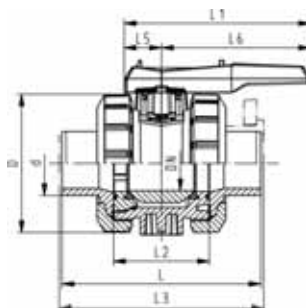
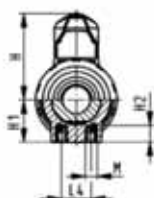
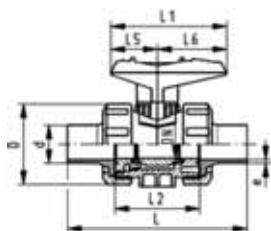
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
16	10	10	71	167 546 621	167 546 631	0.120
20	15	10	185	167 546 622	167 546 632	0.120
25	20	10	350	167 546 623	167 546 633	0.180
32	25	10	700	167 546 624	167 546 634	0.260
40	32	10	1000	167 546 625	167 546 635	0.450
50	40	10	1600	167 546 626	167 546 636	0.640
63	50	10	3100	167 546 627	167 546 637	1.210
75	65	10	5000	167 546 628	167 546 638	3.800
90	80	10	7000	167 546 629	167 546 639	5.600
110	100	10	11000	167 546 630	167 546 640	8.800

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M
16	50	57	27	12	110	77	56		25	32	45	M6
20	50	57	27	12	120	77	56	130	25	32	45	M6
25	58	67	30	12	139	97	65	150	25	39	58	M6
32	68	73	36	12	150	97	71	160	25	39	58	M6
40	84	90	44	15	170	128	85	180	45	54	74	M8
50	97	97	51	15	190	128	89	200	45	54	74	M8
63	124	116	64	15	220	152	101	230	45	66	87	M8
75	166	149	85	15	280	270	136	290	70	64	206	M8
90	200	161	105	15	296	270	141	310	70	64	206	M8
110	238	178	123	22	336	320	164	350	120	64	256	M12



DN10/15 - 50



Ball Valve Type 546, PP-H SF with mounting inserts With butt fusion spigots IR-Plus SDR11 metric

Model:

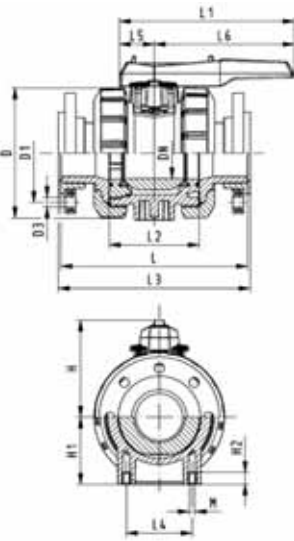
- Material: PP-H / silicone free cleaned
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PVDF

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	10	185	167 546 662	167 546 672	0.120
25	20	10	350	167 546 663	167 546 673	0.180
32	25	10	700	167 546 664	167 546 674	0.255
40	32	10	1000	167 546 665	167 546 675	0.440
50	40	10	1600	167 546 666	167 546 676	0.620
63	50	10	3100	167 546 667	167 546 677	1.200
75	65	10	5000	167 546 668	167 546 678	2.612
90	80	10	7000	167 546 669	167 546 679	5.500
110	100	10	11000	167 546 670	167 546 680	8.700

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]
20	50	57	27	12	130	77	56	25	32	45	M6	1.9
25	58	67	30	12	143	97	65	25	39	58	M6	2.3
32	68	73	36	12	150	97	71	25	39	58	M6	3.0
40	84	90	44	15	171	128	85	45	54	74	M8	3.7
50	97	97	51	15	191	128	89	45	54	74	M8	4.6
63	124	116	64	15	220	152	101	45	66	87	M8	5.8
75	166	149	85	15	266	270	136	70	64	206	M8	8.2
90	200	161	105	15	264	270	141	70	64	206	M8	9.9
110	238	178	123	22	301	320	164	120	64	256	M12	12.0



Ball Valve Type 546, PP-H SF with mounting inserts With backing flanges PP-st metric

Model:

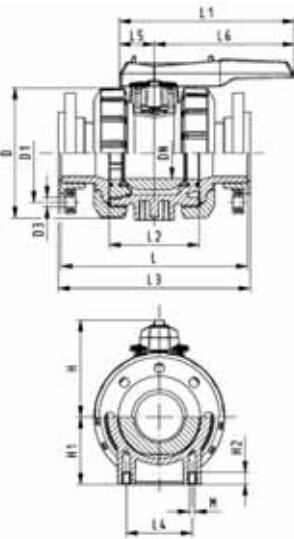
- Material: PP-H / silicone free cleaned
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PVDF
- Overall length according to EN 558
- Connecting dimension: ISO 7005, EN 1092, BS 4504, DIN 2501

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	10	5000	167 546 828	167 546 838	4.300	
90	80	10	7000	167 546 829	167 546 839	6.400	
110	100	10	11000	167 546 830	167 546 840	10.000	

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	M	
75	166	145	18	280	270	136	290	70	64	206	149	85	8	
90	200	160	18	296	270	141	310	70	64	206	161	105	8	
110	238	180	18	336	320	164	350	120	64	256	178	123	12	



Ball Valve Type 546, PP-H SF with mounting inserts With backing flanges PP-st Inch ANSI

Model:

- Material: PP-H / silicone free cleaned
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PTFE
- Overall length according to EN 558
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	10	5000	167 546 888	167 546 898	4.300	
90	80	10	7000	167 546 889	167 546 899	6.400	
110	100	10	11000	167 546 890	167 546 900	10.000	

d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	M	
75	166	140	19	280	270	136	290	70	64	206	149	85	8	
90	200	152	19	296	270	141	310	70	64	206	161	105	8	
110	238	191	19	336	320	164	350	120	64	256	178	123	12	

Ball valves

PROGEF Plus oil free Ball valve type 546 With mounting inserts With fusion sockets metric

Model:

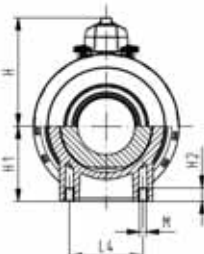
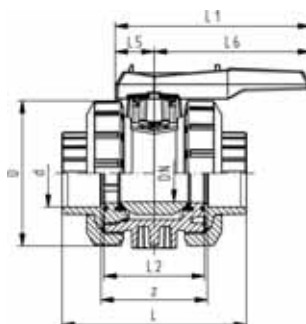
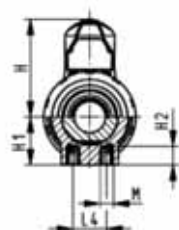
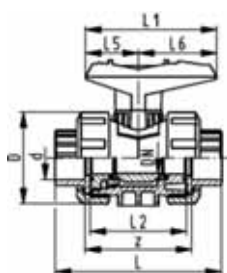
- Material: PP-H / oil free cleaned
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches



DN10/15 - 50



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	185	167 546 902	167 546 912	0.115	
25	20	10	350	167 546 903	167 546 913	0.184	
32	25	10	700	167 546 904	167 546 914	0.260	
40	32	10	1000	167 546 905	167 546 915	0.440	
50	40	10	1600	167 546 906	167 546 916	0.620	
63	50	10	3100	167 546 907	167 546 917	1.145	
75	65	10	5000	167 546 908	167 546 918	3.700	
90	80	10	7000	167 546 909	167 546 919	5.500	
110	100	10	11000	167 546 910	167 546 920	8.700	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
20	50	57	27	12	95	77	56	25	32	45	M6	66	
25	58	67	30	12	109	97	65	25	39	58	M6	77	
32	68	73	36	12	119	97	71	25	39	58	M6	83	
40	84	90	44	15	135	128	85	45	54	74	M8	99	
50	97	97	51	15	147	128	89	45	54	74	M8	105	
63	124	116	64	15	168	152	101	45	66	87	M8	117	
75	166	149	85	15	233	270	136	70	64	206	M8	167	
90	200	161	105	15	254	270	141	70	64	206	M8	180	
110	238	178	123	22	301	320	164	120	64	256	M12	215	



DN10/15 - 50



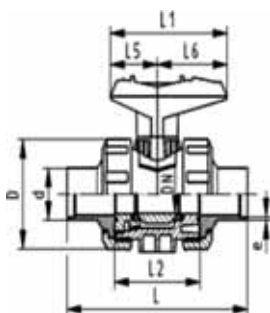
PROGEF Plus oil free **Ball valve type 546** **With mounting inserts** **With butt fusion spigots IR-Plus SDR11 metric**

Model:

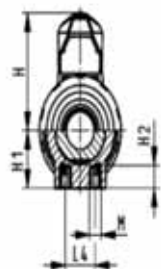
- Material: PP-H / oil free cleaned
- For easy installation and removal
- z-dimension, valve end and union nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

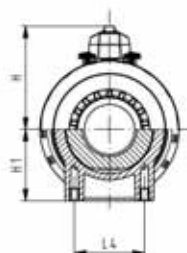
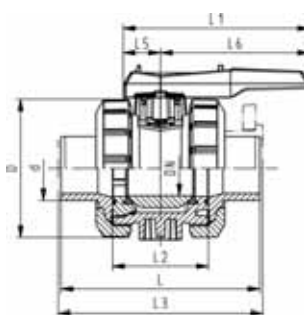
- Individual configuration of the valve (see diagram)
- Multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	kg
20	15	10	185	167 546 482	0.120
25	20	10	350	167 546 483	0.183
32	25	10	700	167 546 484	0.259
40	32	10	1000	167 546 485	0.452
50	40	10	1600	167 546 486	0.620
63	50	10	3100	167 546 487	1.200
75	65	10	5000	167 546 488	3.800
90	80	10	7000	167 546 489	5.500
110	100	10	11000	167 546 490	8.700

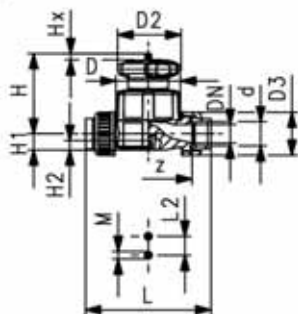


d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	e [mm]
20	50	57	27	12	130	77	56	25	32	45	M6	1,9
25	58	67	30	12	143	97	65	25	39	58	M6	2,3
32	68	73	36	12	150	97	71	25	39	58	M6	3
40	84	90	44	15	171	128	85	45	54	74	M8	3,7
50	97	97	51	15	191	128	89	45	54	74	M8	4,6
63	124	116	64	15	220	152	101	45	66	87	M8	5,8
75	166	149	85	15	266	270	136	70	64	206	M8	8.2
90	200	161	105	15	264	270	141	70	64	206	M8	9.9
110	238	178	123	22	301	320	164	120	64	256	M12	12



Diaphragm valves silicon free

PROGEF Plus silicone free Diaphragm valve type 514 With fusion sockets metric



Model:

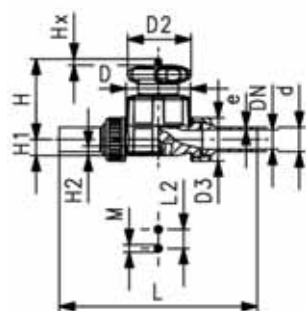
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg	
20	15	10	125	167 514 022	167 514 072	0.371	
25	20	10	271	167 514 023	167 514 073	0.499	
32	25	10	481	167 514 024	167 514 074	1.101	
40	32	10	759	167 514 025	167 514 075	1.297	
50	40	10	1263	167 514 026	167 514 076	1.376	
63	50	10	1728	167 514 027	167 514 077	3.058	

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



PROGEF Plus silicone free Diaphragm valve type 514 With butt fusion spigots SDR11 metric

Model:

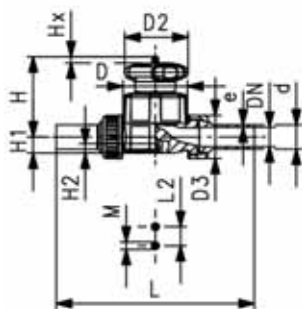
- Material: PP-H / silicone free cleaned
- Double flow rate compared to predecessor
- One housing nut replaces four screws
- Handwheel with built-in locking mechanism
- For easy installation and removal
- Short overall length

Option:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg	
20	15	10	125	167 514 122	167 514 172	0.274	
25	20	10	271	167 514 123	167 514 173	0.404	
32	25	10	481	167 514 124	167 514 174	0.652	
40	32	10	759	167 514 125	167 514 175	0.853	
50	40	10	1263	167 514 126	167 514 176	1.453	
63	50	10	1728	167 514 127	167 514 177	3.072	

table continued next page



d [mm]	D [mm]	D2 [mm]	D3 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	43	196	25	73	14	12	M6	7	1.9	
25	80	65	51	221	25	81	18	12	M6	10	2.3	
32	88	87	58	234	25	107	22	12	M6	13	2.9	
40	101	87	72	260	45	115	26	15	M8	15	3.7	
50	117	135	83	284	45	148	32	15	M8	19	4.6	
63	144	135	100	321	45	166	39	15	M8	25	5.8	



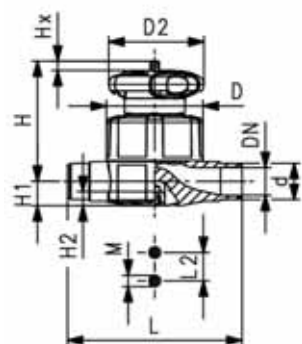
PROGEF Plus silicone free Diaphragm valve type 515 With socket fusion spigots metric

Model:

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

Option:

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



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg	
20	15	10	125	167 515 022	167 515 072	0.308	
25	20	10	271	167 515 023	167 515 073	0.396	
32	25	10	481	167 515 024	167 515 074	0.970	
40	32	10	759	167 515 025	167 515 075	1.128	
50	40	10	1263	167 515 026	167 515 076	2.087	
63	50	10	1728	167 515 027	167 515 077	2.632	

d [mm]	D [mm]	D2 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	e [mm]	
20	65	65	124	25	73	14	12	M6	7	1.9	
25	80	65	144	25	81	18	12	M6	10	2.3	
32	88	87	154	25	107	22	12	M6	13	2.9	
40	101	87	174	45	115	26	15	M8	15	3.7	
50	117	135	194	45	148	32	15	M8	19	4.6	
63	144	135	223	45	166	39	15	M8	25	5.8	



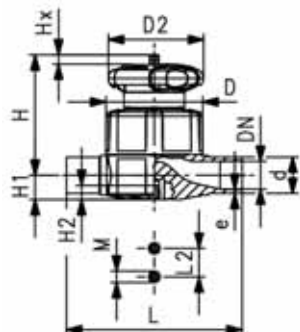
PROGEF Plus silicone free Diaphragm valve type 515 With butt fusion spigots SDR11 metric

Model:

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

Option:

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



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg
20	15	10	125	167 515 122	167 515 172	0.307
25	20	10	271	167 515 123	167 515 173	0.392
32	25	10	481	167 515 124	167 515 174	0.968
40	32	10	759	167 515 125	167 515 175	0.655
50	40	10	1263	167 515 126	167 515 176	2.082
63	50	10	1728	167 515 127	167 515 177	2.629

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



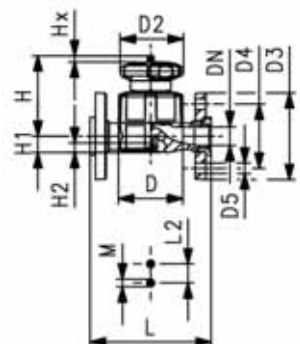
PROGEF Plus silicone free Diaphragm valve type 517 With backing flanges PP-V metric/BS

Model:

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

Option:

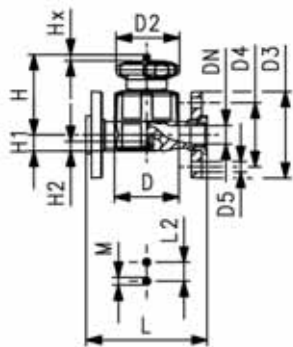
- Individual configuration of the valve (see diagram)
- Self adjusting multifunctional module with integrated limit switches



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg
20	15	10	125	167 517 122	167 517 172	0.412
25	20	10	271	167 517 123	167 517 173	0.640
32	25	10	481	167 517 124	167 517 174	1.316
40	32	10	759	167 517 125	167 517 175	1.660
50	40	10	1263	167 517 126	167 517 176	2.601
63	50	10	1728	167 517 127	167 517 177	3.572

d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]
20	65	65	95	65	14	130	25	73	14	12	M6	7
25	80	65	105	75	14	150	25	81	18	12	M6	10
32	88	87	115	85	14	160	25	107	22	12	M6	13

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d [mm]	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
40	101	87	140	100	18	180	45	115	26	15	M8	15	
50	117	135	150	110	18	200	45	148	32	15	M8	19	
63	144	135	165	125	18	230	45	166	39	15	M8	25	



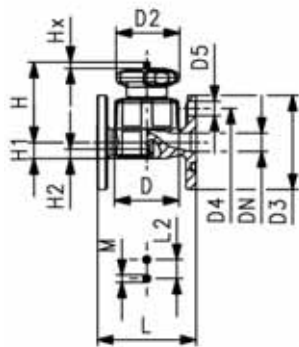
PROGEF Plus oil free Diaphragm valve type 517 With fixed flanges PP-H JIS

Model:

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

Option:

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



Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg	
1/2	15	10	125	167 517 922	167 517 972	0.434	
3/4	20	10	271	167 517 923	167 517 973	0.514	
1	25	10	481	167 517 924	167 517 974	1.168	
1 1/4	32	10	759	167 517 925	167 517 975	1.462	
1 1/2	40	10	1263	167 517 926	167 517 976	2.449	
2	50	10	1728	167 517 927	167 517 977	3.082	

Inch	D [mm]	D2 [mm]	D3 [mm]	D4 [mm]	D5 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	M	Lift = Hx [mm]	
1/2	65	65	95	70	15	110	25	73	14	12	M6	7	
3/4	80	65	100	75	15	120	25	81	18	12	M6	10	
1	88	87	125	90	19	130	25	107	22	12	M6	13	
1 1/4	101	87	135	100	19	180	45	115	26	15	M8	15	
1 1/2	117	135	140	105	19	180	45	148	32	15	M8	19	
2	144	135	155	120	19	210	45	166	39	15	M8	25	



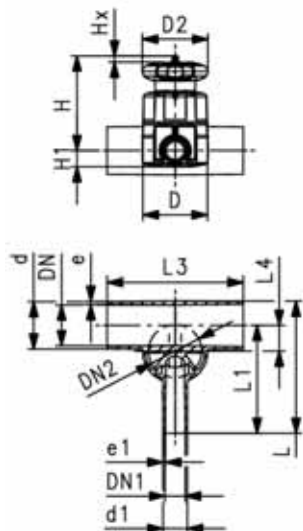
PROGEF Plus silicone free Diaphragm valve type 519 With butt fusion spigots SDR11 metric

Model:

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

Option:

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



d [mm]	d1 [mm]	Valve Size d [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	PTFE/EPDM Code	kg
20	20	20	15	15	15	10	57	167 519 201	167 519 701	0.321
25	20	25	20	15	20	10	89	167 519 203	167 519 703	0.397
25	25	25	20	20	20	10	118	167 519 204	167 519 704	0.399
32	20	25	25	15	20	10	80	167 519 207	167 519 707	0.424
32	25	25	25	20	20	10	105	167 519 208	167 519 708	0.426
32	32	32	25	25	25	10	231	167 519 209	167 519 709	0.980
40	20	32	32	15	25	10	85	167 519 212	167 519 712	1.008
50	20	25	40	15	20	10	86	167 519 218	167 519 718	0.485
50	25	32	40	20	25	10	160	167 519 219	167 519 719	1.054
50	32	32	40	25	25	10	206	167 519 220	167 519 720	1.056
63	20	25	50	15	20	10	84	167 519 225	167 519 725	0.524
63	25	32	50	20	25	10	150	167 519 226	167 519 726	1.097
63	32	32	50	25	25	10	184	167 519 227	167 519 727	1.100

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

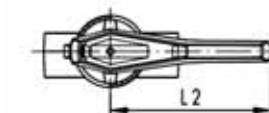
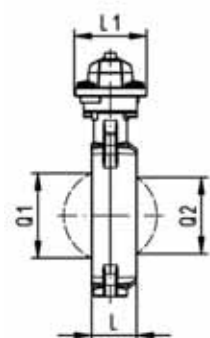
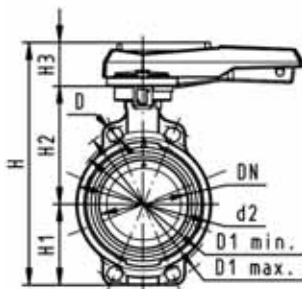
Butterfly valves

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



Model:

- Material: PP-H / silicone free cleaned
- Up to DN 300: Overall length according to EN558 (DN 50-200: line 25, DN250, 300 line 16), ISO 5752
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- We recommend for the dimensions DN250 and DN300 only 6 bar maximum system pressure for the hand lever version



d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg	
63	50	2	10	1470	167 567 402	167 567 422	0.969	
75	65	2 ½	10	2200	167 567 403	167 567 423	1.270	
90	80	3	10	3000	167 567 404	167 567 424	1.191	
110	100	4	10	6500	167 567 405	167 567 425	1.751	
140	125	5	10	11500	167 567 406	167 567 426	2.199	
160	150	6	10	16600	167 567 407	167 567 427	2.989	
225	200	8	10	39600	167 567 408	167 567 428	4.706	

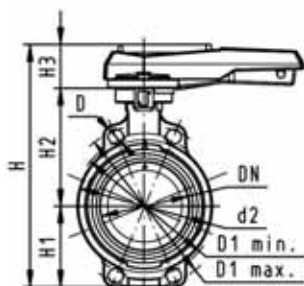
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40		
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35	
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50	
110	19	175.0	190.5	161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



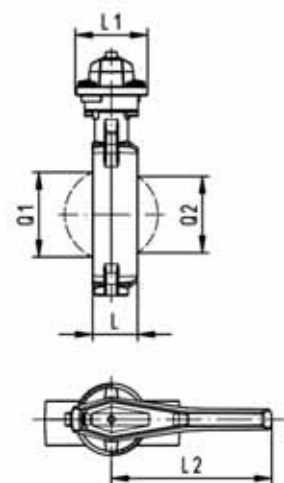
PROGEF Plus oil free Butterfly valve type 567 Hand lever with ratchet settings

Model:

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



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	kg	
63	50	2	10	1470	167 567 502	0.965	
75	65	2 ½	10	2200	167 567 503	1.056	
90	80	3	10	3000	167 567 504	1.184	
110	100	4	10	6500	167 567 505	1.737	
140	125	5	10	11500	167 567 506	2.181	
160	150	6	10	16600	167 567 507	2.966	
225	200	8	10	39600	167 567 508	4.678	



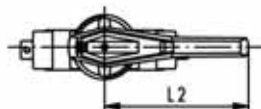
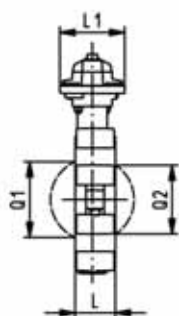
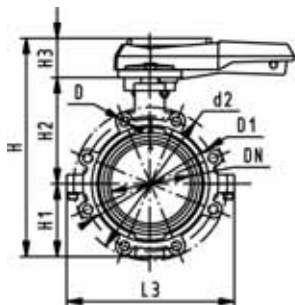
d [mm]	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	Q1 [mm]	Q2 [mm]	
63	19	120.0	125.0	104	264	77	134	54	45	106	205	40		
75	19	139.7	145.0	115	277	83	140	54	46	106	205	54	35	
90	19	150.0	160.0	131	289	89	146	54	49	106	205	67	50	
110	19	175.0	190.5	161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



PROGEF Plus silicone free Lugstyle butterfly valve type 568 Hand lever with ratchet settings

Model:

- Material: PP-H / silicone free cleaned
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10
- Overall length according to EN 558, ISO 5752



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
63	50	2	10	1470	167 568 402	167 568 422	3.055	
75	65	2 ½	10	2200	167 568 403	167 568 423	3.397	
90	80	3	10	3000	167 568 404	167 568 424	4.402	
110	100	4	10	6500	167 568 405	167 568 425	5.835	
140	125	5	10	11500	167 568 406	167 568 426	7.665	
160	150	6	10	16600	167 568 407	167 568 427	9.449	
225	200	8	10	39600	167 568 408	167 568 428	14.654	

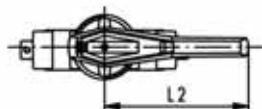
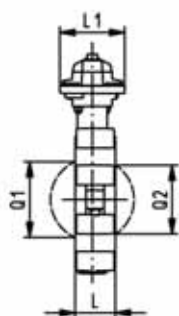
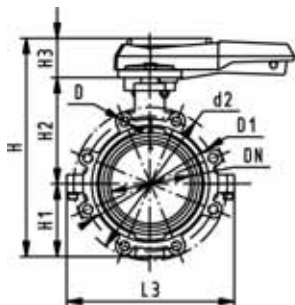
d [mm]	d2 [mm]	D	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	Q1 [mm]	Q2 [mm]	
63	150	M16	125	265	77	134	54	45	106	205	150	40		
75	170	M16	145	277	83	140	54	46	106	205	160	54	35	
90	184	M16	160	289	89	146	54	49	106	205	205	67	50	
110	216	M16	180	326	104	167	55	56	106	255	244	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	



PROGEF Plus silicone free Lugstyle butterfly valve 568 ANSI Hand lever with ratchet settings

Model:

- Material: PP-H / silicone free cleaned
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI/ASME B 16.5 Class 150
- Overall length according to EN 558, ISO 5752



Inch	d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
2	63	50	10	1470	167 568 502	167 568 522	3.055	
2 ½	75	65	10	2200	167 568 503	167 568 523	3.397	
3	90	80	10	3000	167 568 504	167 568 524	3.773	
4	110	100	10	6500	167 568 505	167 568 525	5.835	
5	140	125	10	11500	167 568 506	167 568 526	7.665	
6	160	150	10	16600	167 568 507	167 568 527	9.449	
8	225	200	10	39600	167 568 508	167 568 528	14.654	

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	

Cone check valves

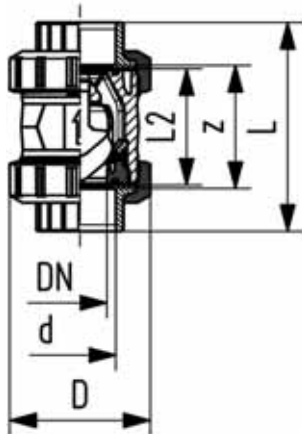
PROGEF Plus silicone free

Check valve type 561

With fusion sockets metric

Model:

- Material: PP-H / silicone free cleaned
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	z [mm]
16	10	10	190	167 561 201	167 561 211	0.080	50	93	56	67
20	15	10	180	167 561 202	167 561 212	0.080	50	95	56	66
25	20	10	380	167 561 203	167 561 213	0.180	58	109	65	77
32	25	10	460	167 561 204	167 561 214	0.190	68	119	71	83
40	32	10	850	167 561 205	167 561 215	0.340	84	135	85	99
50	40	10	1080	167 561 206	167 561 216	0.480	97	147	89	105
63	50	10	1670	167 561 207	167 561 217	0.880	124	168	101	117
75	65	10	2950	167 561 208	167 561 218	2.310	166	233	136	167
90	80	10	3600	167 561 209	167 561 219	3.580	200	254	141	180
110	100	10	4150	167 561 210	167 561 220	5.930	238	301	164	215

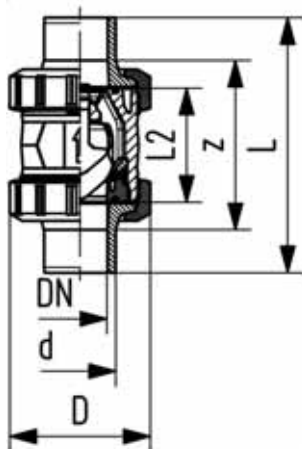
PROGEF Plus silicone free

Check valve type 561

With socket fusion spigots metric

Model:

- Material: PP-H / silicone free cleaned
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



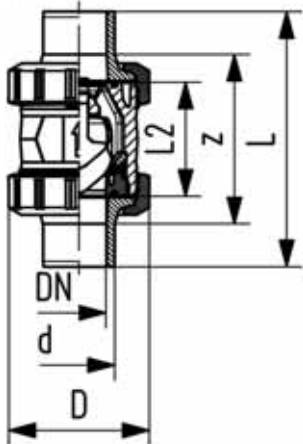
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	L3 [mm]
16	10	10	190	167 561 221	167 561 231	0.080	50	110	56	
20	15	10	180	167 561 222	167 561 232	0.090	50	120	56	130
25	20	10	380	167 561 223	167 561 233	0.190	58	139	65	150
32	25	10	460	167 561 224	167 561 234	0.200	68	150	71	160
40	32	10	850	167 561 225	167 561 235	0.350	84	170	85	180
50	40	10	1080	167 561 226	167 561 236	0.510	97	190	89	200
63	50	10	1670	167 561 227	167 561 237	0.950	124	220	101	230
75	65	10	2950	167 561 228	167 561 238	2.370	166	280	136	290
90	80	10	3600	167 561 229	167 561 239	3.750	200	296	141	310
110	100	10	4150	167 561 230	167 561 240	5.980	238	336	164	350



PROGEF Plus silicone free Check valve type 561 With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H / silicone free cleaned
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



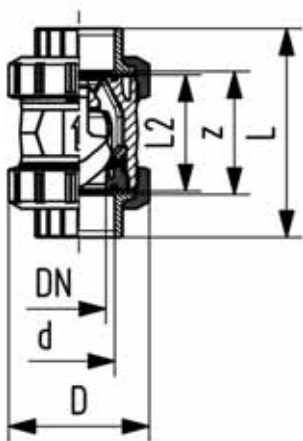
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	e [mm]
20	15	10	180	167 561 242	167 561 252	0.080	50	130	56	1.9
25	20	10	380	167 561 243	167 561 253	0.180	58	143	65	2.3
32	25	10	460	167 561 244	167 561 254	0.190	68	150	71	3.0
40	32	10	850	167 561 245	167 561 255	0.340	84	171	85	3.7
50	40	10	1080	167 561 246	167 561 256	0.490	97	191	89	4.6
63	50	10	1670	167 561 247	167 561 257	0.930	124	220	101	5.8
75	65	10	2950	167 561 248	167 561 258	2.360	166	266	136	6.8
90	80	10	3600	167 561 249	167 561 259	3.680	200	264	141	8.2
110	100	10	4150	167 561 250	167 561 260	5.830	238	301	164	10.0



PROGEF Plus silicone free Check valve type 562 With fusion sockets metric

Model:

- Material: PP-H / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



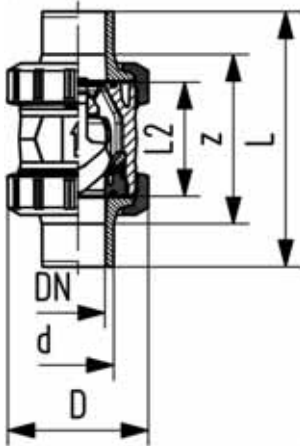
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	z [mm]
16	10	10	190	167 562 201	167 562 211	0.080	50	93	56	67
20	15	10	180	167 562 202	167 562 212	0.080	50	95	56	66
25	20	10	380	167 562 203	167 562 213	0.180	58	109	65	77
32	25	10	460	167 562 204	167 562 214	0.190	68	119	71	83
40	32	10	850	167 562 205	167 562 215	0.340	84	135	85	99
50	40	10	1080	167 562 206	167 562 216	0.480	97	147	89	105
63	50	10	1670	167 562 207	167 562 217	0.880	124	168	101	117
75	65	10	2950	167 562 208	167 562 218	2.310	166	233	136	167
90	80	10	3600	167 562 209	167 562 219	3.580	200	254	141	180
110	100	10	4150	167 562 210	167 562 220	5.930	238	301	164	215



PROGEF Plus silicone free Check valve type 562 With socket fusion spigots metric

Model:

- Material: PP-H / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



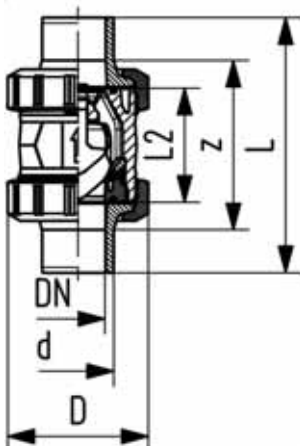
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	
16	10	10	190	167 562 221	167 562 231	0.080	50	110	56	
20	15	10	180	167 562 222	167 562 232	0.090	50	120	56	
25	20	10	380	167 562 223	167 562 233	0.190	58	139	65	
32	25	10	460	167 562 224	167 562 234	0.200	68	150	71	
40	32	10	850	167 562 225	167 562 235	0.350	84	170	85	
50	40	10	1080	167 562 226	167 562 236	0.510	97	190	89	
63	50	10	1670	167 562 227	167 562 237	0.950	124	220	101	
75	65	10	2950	167 562 228	167 562 238	2.370	166	280	136	
90	80	10	3600	167 562 229	167 562 239	3.750	200	296	141	
110	100	10	4150	167 562 230	167 562 240	5.980	238	336	164	



PROGEF Plus silicone free Check valve type 562 With butt fusion spigots IR-Plus SDR11 metric

Model:

- Material: PP-H / silicone free cleaned
- Spring loaded, spring made of stainless steel (1.4310)
- Spring available in other materials, see spare parts
- Designed for easy installation and removal
- Vibration free even at high flow velocity
- Flow-optimized return cone, double guided
- For horizontal or vertical installation
- Compact installation length, same as ball valve type 546
- Z-length, end connectors and union nuts **not** compatible with type 360



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	D [mm]	L [mm]	L2 [mm]	e [mm]	
20	15	10	180	167 562 242	167 562 252	0.080	50	130	56	1.9	
25	20	10	380	167 562 243	167 562 253	0.180	58	143	65	2.3	
32	25	10	460	167 562 244	167 562 254	0.190	68	150	71	3.0	
40	32	10	850	167 562 245	167 562 255	0.340	84	171	85	3.7	
50	40	10	1080	167 562 246	167 562 256	0.490	97	191	89	4.6	
63	50	10	1670	167 562 247	167 562 257	0.930	124	220	101	5.8	
75	65	10	2950	167 562 248	167 562 258	2.360	166	266	136	8.2	
90	80	10	3600	167 562 249	167 562 259	3.680	200	264	141	9.9	
110	100	10	4150	167 562 250	167 562 260	5.830	238	301	164	12.0	

Spare parts ball valves

Spare parts ball valve type 546



Central part

Model:

- Every connecting pieces and union nuts are listed on product range industry valves
- Ball seals standard in PTFE
- Central part consisting of: body (1), union bush (2), ball (5), stem (6), ball-, backing-, body-, face- and stem seal (7-11), standard lever (12) and threaded inserts stainless steel (14)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code
16	¾	10	161 486 151	161 486 163	163 481 251	163 481 263	169 480 751
20	½	15	161 486 151	161 486 163	163 481 251	163 481 263	169 480 751
25	¾	20	161 486 152	161 486 164	163 481 252	163 481 264	169 480 752
32	1	25	161 486 153	161 486 165	163 481 253	163 481 265	169 480 753
40	1 ¼	32	161 486 154	161 486 166	163 481 254	163 481 266	169 480 754
50	1 ½	40	161 486 155	161 486 167	163 481 255	163 481 267	169 480 755
63	2	50	161 486 156	161 486 168	163 481 256	163 481 268	169 480 756
75	2 ½	65	161 486 157	161 486 169	163 481 257	163 481 269	169 480 757
90	3	80	161 486 158	161 486 170	163 481 258	163 481 270	169 480 758
110	4	100	161 486 159	161 486 171	163 481 259	163 481 271	169 480 759

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code
16	¾	10	167 482 876	167 482 888	175 482 963
20	½	15	167 482 876	167 482 888	175 482 963
25	¾	20	167 482 877	167 482 889	175 482 964
32	1	25	167 482 878	167 482 890	175 482 965
40	1 ¼	32	167 482 879	167 482 891	175 482 966
50	1 ½	40	167 482 880	167 482 892	175 482 967
63	2	50	167 482 881	167 482 893	175 482 968
75	2 ½	65	167 482 882	167 482 894	175 482 969
90	3	80	167 482 883	167 482 895	175 482 970
110	4	100	167 482 884	167 482 896	175 482 971



Ball set

Model:

- Ball seals standard in PTFE
- Ball set consisting of: ball (5), stem (6), ball-, backing-, body- and stem seal (7-9,11)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code
16	3/8	10	161 486 375	161 486 385	163 481 375	163 481 385	169 480 900
20	1/2	15	161 486 375	161 486 385	163 481 375	163 481 385	169 480 900
25	3/4	20	161 486 376	161 486 386	163 481 376	163 481 386	169 480 901
32	1	25	161 486 377	161 486 387	163 481 377	163 481 387	169 480 902
40	1 1/4	32	161 486 378	161 486 388	163 481 378	163 481 388	169 480 903
50	1 1/2	40	161 486 379	161 486 389	163 481 379	163 481 389	169 480 904
63	2	50	161 486 380	161 486 390	163 481 380	163 481 390	169 480 905
75	2 1/2	65	161 486 381	161 486 391	163 481 381	163 481 391	169 480 906
90	3	80	161 486 382	161 486 392	163 481 382	163 481 392	169 480 907
110	4	100	161 486 383	161 486 393	163 481 383	163 481 393	169 480 908

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code
16	3/8	10	167 484 125	167 484 135	175 483 275
20	1/2	15	167 484 125	167 484 135	175 483 275
25	3/4	20	167 484 126	167 484 136	175 483 276
32	1	25	167 484 127	167 484 137	175 483 277
40	1 1/4	32	167 484 128	167 484 138	175 483 278
50	1 1/2	40	167 484 129	167 484 139	175 483 279
63	2	50	167 484 130	167 484 140	175 483 280
75	2 1/2	65	167 484 131	167 484 141	175 483 281
90	3	80	167 484 132	167 484 142	175 483 282
110	4	100	167 484 133	167 484 143	175 483 283



Lever

d [mm]	Inch	DN [mm]	Standard lever red Code	Standard lever black Code	Multifunctional lever Code
16	3/8	10	167 484 088	167 484 076	167 484 100
20	1/2	15	167 484 088	167 484 076	167 484 100
25	3/4	20	167 484 089	167 484 077	167 484 101
32	1	25	167 484 090	167 484 078	167 484 102
40	1 1/4	32	167 484 091	167 484 079	167 484 103
50	1 1/2	40	167 484 092	167 484 080	167 484 104
63	2	50	167 484 093	167 484 081	167 484 105
75	2 1/2	65	167 484 094	167 484 082	161 486 689
90	3	80	167 484 095	167 484 083	161 486 690
110	4	100	167 484 096	167 484 084	161 486 691



Face seal

Model:

- Face seal no. 10

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code
16	3/8	10	748 410 059	749 410 059
20	1/2	15	748 410 059	749 410 059
25	3/4	20	748 410 106	749 410 106
32	1	25	748 410 151	749 410 151
40	1 1/4	32	748 410 062	749 410 062
50	1 1/2	40	748 410 003	749 410 003
63	2	50	748 410 231	749 410 231

table continued next page

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
75	2 ½	65	748 410 119	749 410 119	
90	3	80	748 410 023	749 410 023	
110	4	100	748 410 254	749 410 254	



Seal set

Model:

- Seal set consisting of: backing-, body-, face- and stem seal (8-11)

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
16	¾	10	161 486 400	161 486 410	
20	½	15	161 486 400	161 486 410	
25	¾	20	161 486 401	161 486 411	
32	1	25	161 486 402	161 486 412	
40	1 ¼	32	161 486 403	161 486 413	
50	1 ½	40	161 486 404	161 486 414	
63	2	50	161 486 405	161 486 415	
75	2 ½	65	161 486 406	161 486 416	
90	3	80	161 486 407	161 486 417	
110	4	100	161 486 408	161 486 418	

Spare parts metering ball valve type 523

Central part

Model:

- Every connecting pieces and union nuts are listed on product range industry valves
- Ball seals standard in PTFE
- Central part consisting of: body, union bush, ball, stem, ball-, backing-, body-, face- and stem seal, standard lever and threaded inserts stainless steel



d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PP-H EPDM Code	PP-H FPM Code	
16	¾	10	161 485 351	161 485 361	167 485 371	167 485 381	
20	½	15	161 485 353	161 485 363	167 485 373	167 485 383	

Spare parts ball valve type 543 horizontal



table continued next page



Central part L-port

Model:

- Every connecting pieces and union nuts are listed on product range industry valves
- Ball seals standard in PTFE
- Central part consisting of: body (1), union bush (2), ball (5), stem (6), ball-, backing-, body-, face- and stem seal (7-11), standard lever (12) and threaded inserts stainless steel (14)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code
16	3/8	10	161 488 002	161 488 012	163 481 902	163 481 912	169 481 202
20	1/2	15	161 488 002	161 488 012	163 481 902	163 481 912	169 481 202
25	3/4	20	161 488 003	161 488 013	163 481 903	163 481 913	169 481 203
32	1	25	161 488 004	161 488 014	163 481 904	163 481 914	169 481 204
40	1 1/4	32	161 488 005	161 488 015	163 481 905	163 481 915	169 481 205
50	1 1/2	40	161 488 006	161 488 016	163 481 906	163 481 916	169 481 206
63	2	50	161 488 007	161 488 017	163 481 907	163 481 917	169 481 207

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code
16	3/8	10	167 484 802	167 484 812	175 483 602
20	1/2	15	167 484 802	167 484 812	175 483 602
25	3/4	20	167 484 803	167 484 813	175 483 603
32	1	25	167 484 804	167 484 814	175 483 604
40	1 1/4	32	167 484 805	167 484 815	175 483 605
50	1 1/2	40	167 484 806	167 484 816	175 483 606
63	2	50	167 484 807	167 484 817	175 483 607



Central part T-port

Model:

- Ball seals standard in PTFE
- Central part consisting of: body (1), union bush (2), ball (5), stem (6), ball-, backing-, body-, face- and stem seal (7-11), standard lever (12) and threaded inserts stainless steel (14)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code
16	3/8	10	161 488 022	161 488 032	163 481 922	163 481 932	169 481 212
20	1/2	15	161 488 022	161 488 032	163 481 922	163 481 932	169 481 212
25	3/4	20	161 488 023	161 488 033	163 481 923	163 481 933	169 481 213
32	1	25	161 488 024	161 488 034	163 481 924	163 481 934	169 481 214
40	1 1/4	32	161 488 025	161 488 035	163 481 925	163 481 935	169 481 215
50	1 1/2	40	161 488 026	161 488 036	163 481 926	163 481 936	169 481 216
63	2	50	161 488 027	161 488 037	163 481 927	163 481 937	169 481 217

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code
16	3/8	10	167 484 822	167 484 832	175 483 612
20	1/2	15	167 484 822	167 484 832	175 483 612
25	3/4	20	167 484 823	167 484 833	175 483 613
32	1	25	167 484 824	167 484 834	175 483 614
40	1 1/4	32	167 484 825	167 484 835	175 483 615
50	1 1/2	40	167 484 826	167 484 836	175 483 616
63	2	50	167 484 827	167 484 837	175 483 617



Ball set L-port

Model:

- Ball seals standard in PTFE
- Ball set consisting of: lever (12), ball (5), stem (6), ball-, backing-, body- and stem seal (7-9,11)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code	
16	3/8	10	161 488 162	161 488 172	163 481 982	163 481 992	169 481 282	
20	1/2	15	161 488 162	161 488 172	163 481 982	163 481 992	169 481 282	
25	3/4	20	161 488 163	161 488 173	163 481 983	163 481 993	169 481 283	
32	1	25	161 488 164	161 488 174	163 481 984	163 481 994	169 481 284	
40	1 1/4	32	161 488 165	161 488 175	163 481 985	163 481 995	169 481 285	
50	1 1/2	40	161 488 166	161 488 176	163 481 986	163 481 996	169 481 286	
63	2	50	161 488 167	161 488 177	163 481 987	163 481 997	169 481 287	

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code	
16	3/8	10	167 484 882	167 484 892	175 483 642	
20	1/2	15	167 484 882	167 484 892	175 483 642	
25	3/4	20	167 484 883	167 484 893	175 483 643	
32	1	25	167 484 884	167 484 894	175 483 644	
40	1 1/4	32	167 484 885	167 484 895	175 483 645	
50	1 1/2	40	167 484 886	167 484 896	175 483 646	
63	2	50	167 484 887	167 484 897	175 483 647	



Ball set T-port

Model:

- Ball seals standard in PTFE
- Ball set consisting of: lever (12), ball (5), stem (6), ball-, backing-, body- and stem seal (7-9,11)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	PVC-C EPDM Code	PVC-C FPM Code	ABS EPDM Code	
16	3/8	10	161 488 182	161 488 192	163 482 002	163 482 012	169 481 292	
20	1/2	15	161 488 182	161 488 192	163 482 002	163 482 012	169 481 292	
25	3/4	20	161 488 183	161 488 193	163 482 003	163 482 013	169 481 293	
32	1	25	161 488 184	161 488 194	163 482 004	163 482 014	169 481 294	
40	1 1/4	32	161 488 185	161 488 195	163 482 005	163 482 015	169 481 295	
50	1 1/2	40	161 488 186	161 488 196	163 482 006	163 482 016	169 481 296	
63	2	50	161 488 187	161 488 197	163 482 007	163 482 017	169 481 297	

d [mm]	Inch	DN [mm]	PP-H EPDM Code	PP-H FPM Code	PVDF FPM Code	
16	3/8	10	167 484 902	167 484 912	175 483 652	
20	1/2	15	167 484 902	167 484 912	175 483 652	
25	3/4	20	167 484 903	167 484 913	175 483 653	
32	1	25	167 484 904	167 484 914	175 483 654	
40	1 1/4	32	167 484 905	167 484 915	175 483 655	
50	1 1/2	40	167 484 906	167 484 916	175 483 656	
63	2	50	167 484 907	167 484 917	175 483 657	



Lever

d [mm]	Inch	DN [mm]	Standard lever L- port red Code	Standard lever L- port black Code	Standard lever T- port red Code	
16	3/8	10	167 484 488	167 484 376	167 484 588	
20	1/2	15	167 484 488	167 484 376	167 484 588	
25	3/4	20	167 484 489	167 484 377	167 484 589	
32	1	25	167 484 490	167 484 378	167 484 590	
40	1 1/4	32	167 484 491	167 484 379	167 484 591	
50	1 1/2	40	167 484 492	167 484 380	167 484 592	
63	2	50	167 484 493	167 484 381	167 484 593	
d [mm]	Inch	DN [mm]	Standard lever T- port black Code	Multifunctional- lever L-port red Code	Multifunctional- lever T-port red Code	
16	3/8	10	167 484 576	167 484 442	167 484 542	
20	1/2	15	167 484 576	167 484 442	167 484 542	
25	3/4	20	167 484 577	167 484 443	167 484 543	
32	1	25	167 484 578	167 484 444	167 484 544	
40	1 1/4	32	167 484 579	167 484 445	167 484 545	
50	1 1/2	40	167 484 580	167 484 446	167 484 546	
63	2	50	167 484 581	167 484 447	167 484 547	



Face seal

Model:

- Face seal no. 10

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
16	3/8	10	748 410 059	749 410 059	
20	1/2	15	748 410 059	749 410 059	
25	3/4	20	748 410 106	749 410 106	
32	1	25	748 410 151	749 410 151	
40	1 1/4	32	748 410 062	749 410 062	
50	1 1/2	40	748 410 003	749 410 003	
63	2	50	748 410 231	749 410 231	



Seal set

Model:

- Seal set consisting of: backing-, body-, face- and stem seal (8-11)

d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
16	3/8	10	161 488 242	161 488 248	
20	1/2	15	161 488 242	161 488 248	
25	3/4	20	161 488 243	161 488 249	
32	1	25	161 488 244	161 488 250	
40	1 1/4	32	161 488 245	161 488 251	
50	1 1/2	40	161 488 246	161 488 252	
63	2	50	161 488 247	161 488 253	



Turn limiter 90°

d [mm]	Inch	DN [mm]	Code	
16	3/8	10	167 482 479	
20	1/2	15	167 482 479	
25	3/4	20	167 482 480	
32	1	25	167 482 480	
40	1 1/4	32	167 482 481	
50	1 1/2	40	167 482 481	
63	2	50	167 482 482	



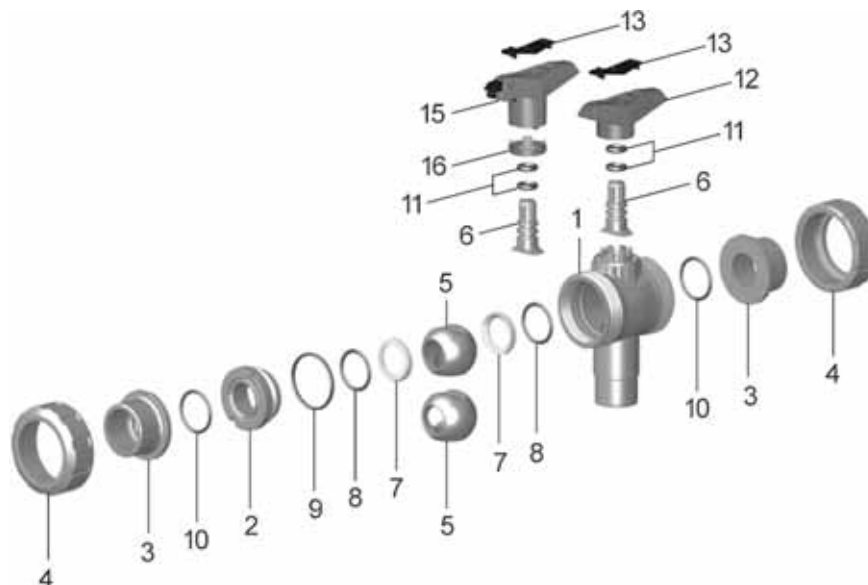
Assembly kit

Model:

- Intermediate element for ball valve type 543 horizontal and electric or pneumatic actuators EA21; PA11/21
- Including screws and position indicator for actuators

d [mm]	Inch [inch]	DN [mm]	Code	
16 - 20	¾ - ½	10 - 15	167 484 941	
25 - 32	¾ - 1	20 - 25	167 484 942	
40 - 50	1 ¼ - 1 ½	32 - 40	167 484 943	
63	2	50	167 484 944	

Spare parts ball valve type 543 vertical



Central part L-port

Model:

- Every connecting pieces and union nuts are listed on product range industry valves
- Ball seals standard in PTFE
- Central part consisting of: body (1), union bush (2), ball (5), stem (6), ball-, backing-, body-, face- and stem seal (7-11) and standard lever (12)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	ABS EPDM Code	
16	¾	10	161 488 041	161 488 051	169 481 221	
20	¾	15	161 488 042	161 488 052	169 481 222	
25	¾	20	161 488 043	161 488 053	169 481 223	
32	1	25	161 488 044	161 488 054	169 481 224	
40	1 ¼	32	161 488 045	161 488 055	169 481 225	
50	1 ½	40	161 488 046	161 488 056	169 481 226	
63	2	50	161 488 047	161 488 057	169 481 227	

Central part diverter ball

Model:

- Ball seals standard in PTFE
- Central part consisting of: body (1), union bush (2), ball (5), stem (6), ball-, backing-, body-, face- and stem seal (7-11) and standard lever (12)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	ABS EPDM Code	
16	¾	10	161 488 061	161 488 071	169 481 231	
20	½	15	161 488 062	161 488 072	169 481 232	
25	¾	20	161 488 063	161 488 073	169 481 233	
32	1	25	161 488 064	161 488 074	169 481 234	
40	1 ¼	32	161 488 065	161 488 075	169 481 235	
50	1 ½	40	161 488 066	161 488 076	169 481 236	
63	2	50	161 488 067	161 488 077	169 481 237	



Ball set L-port

Model:

- Ball seals standard in PTFE
- Ball set consisting of: lever (12), ball (5), stem (6), ball-, backing-, body- and stem seal (7-9,11)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	ABS EPDM Code	
16	3/8	10	161 488 202	161 488 212	169 481 302	
20	1/2	15	161 488 202	161 488 212	169 481 302	
25	3/4	20	161 488 203	161 488 213	169 481 303	
32	1	25	161 488 204	161 488 214	169 481 304	
40	1 1/4	32	161 488 205	161 488 215	169 481 305	
50	1 1/2	40	161 488 206	161 488 216	169 481 306	
63	2	50	161 488 207	161 488 217	169 481 307	



Ball set T-Port

Model:

- Ball seals standard in PTFE
- Ball set consisting of: lever (12), ball (5), stem (6), ball-, backing-, body- and stem seal (7-9,11)

d [mm]	Inch	DN [mm]	PVC-U EPDM Code	PVC-U FPM Code	ABS EPDM Code	
16	3/8	10	161 488 222	161 488 232	169 481 312	
20	1/2	15	161 488 222	161 488 232	169 481 312	
25	3/4	20	161 488 223	161 488 233	169 481 313	
32	1	25	161 488 224	161 488 234	169 481 314	
40	1 1/4	32	161 488 225	161 488 235	169 481 315	
50	1 1/2	40	161 488 226	161 488 236	169 481 316	
63	2	50	161 488 227	161 488 237	169 481 317	



Lever

d [mm]	Inch	DN [mm]	Standard lever L-port red Code	Standard lever diverter ball red Code	Multifunctional-lever L-port red Code	
16	3/8	10	167 484 688	167 484 788	167 484 642	
20	1/2	15	167 484 688	167 484 788	167 484 642	
25	3/4	20	167 484 689	167 484 789	167 484 643	
32	1	25	167 484 690	167 484 790	167 484 644	
40	1 1/4	32	167 484 691	167 484 791	167 484 645	
50	1 1/2	40	167 484 692	167 484 792	167 484 646	
63	2	50	167 484 693	167 484 793	167 484 647	

d [mm]	Inch	DN [mm]	Multifunctional-lever diverter ball red Code	
16	3/8	10	167 484 742	
20	1/2	15	167 484 742	
25	3/4	20	167 484 743	
32	1	25	167 484 744	
40	1 1/4	32	167 484 745	
50	1 1/2	40	167 484 746	
63	2	50	167 484 747	



Face seal

Model:

- Face seal no. 10

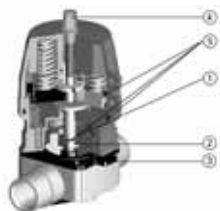
d [mm]	Inch	DN [mm]	EPDM Code	FPM Code	
16	3/8	10	748 410 059	749 410 059	
20	1/2	15	748 410 059	749 410 059	
25	3/4	20	748 410 106	749 410 106	

table continued next page



Handle for dismantling

d [mm]	Inch	DN [mm]	red Code	black Code	
16	$\frac{3}{8}$	10	167 484 088	167 484 076	
20	$\frac{1}{2}$	15	167 484 088	167 484 076	
25	$\frac{3}{4}$	20	167 484 089	167 484 077	
32	1	25	167 484 090	167 484 078	
40	1 $\frac{1}{4}$	32	167 484 091	167 484 079	
50	1 $\frac{1}{2}$	40	167 484 092	167 484 080	
63	2	50	167 484 093	167 484 081	
75	2 $\frac{1}{2}$	65	167 484 094	167 484 082	
90	3	80	167 484 095	167 484 083	
110	4	100	167 484 096	167 484 084	



Seal set complete

Pos	DN [mm]	Serie 028 FC Se- rie 025 FO/DA Code	Serie 025 FC Code	
5	15	198 000 332	198 000 333	
5	20	198 000 333	198 000 333	
5	25	198 000 333	198 000 334	
5	32	198 000 334	198 000 335	
5	40	198 000 335	198 000 336	
5	50	198 000 335	198 000 336	

Pneumatic actuator DIASTAR

Series 028 FC



d [mm]	DN [mm]	Inch	Size	for EPDM Code	for PTFE/EPDM Code	
20	15	1/2	1	198 150 091	198 150 097	
25	20	3/4	2	198 150 126	198 150 126	
32	25	1	2	198 150 093	198 150 098	
40	32	1 1/4	3	198 150 094	198 150 124	
50	40	1 1/2	4	198 150 095	198 150 099	
63	50	2	4	198 150 125	198 150 125	

Series 025 FC



d [mm]	DN [mm]	Inch	Size	for EPDM Code	for PTFE/EPDM Code	
20	15	1/2	2	198 150 087	198 150 962	
25	20	3/4	2	198 150 963	198 150 963	
32	25	1	3	198 150 088	198 150 964	
40	32	1 1/4	4	198 150 965	198 150 965	
50	40	1 1/2	5	198 150 089	198 150 966	
63	50	2	5	198 150 090	198 150 967	
75	65	2 1/2		198 150 736	198 150 736	
90	80	3		198 150 737	198 150 737	
110	100	4		198 150 738	198 150 738	
160	150	6		198 150 739		

Series 025 FO



d [mm]	DN [mm]	Inch	Size	for PTFE/EPDM and EPDM Code	
20	15	1/2	1	198 150 105	
25	20	3/4	2	198 150 969	
32	25	1	2	198 150 106	
40	32	1 1/4	3	198 150 107	
50	40	1 1/2	4	198 150 108	
63	50	2	4	198 150 109	
75	65	2 1/2		198 150 746	
90	80	3		198 150 747	
110	100	4		198 150 748	
160	150	6		198 150 749	



Series 025 DA

d [mm]	DN [mm]	Inch	Size	for EPDM Code	for PTFE/EPDM Code	
20	15	½	1	198 150 100	198 150 100	
25	20	¾	2	198 150 975	198 150 975	
32	25	1	2	198 150 101	198 150 101	
40	32	1 ¼	3	198 150 102	198 150 102	
50	40	1 ½	4	198 150 103	198 150 103	
63	50	2	4	198 150 104	198 150 104	
75	65	2 ½		198 150 756	198 150 756	
90	80	3		198 150 757	198 150 757	
110	100	4		198 150 758	198 150 758	
160	150	6		198 150 759	198 150 759	

Diaseptic DIASTAR

Type 025 full plastic actuator PPS GF40



DN [mm]	FC Code	FO Code	DA Code	
15	198 151 126	198 151 136	198 151 142	
20	198 151 127	198 151 137	198 151 143	
25	198 151 128	198 151 138		
32	198 151 129	198 151 139	198 151 145	
40	198 151 130	198 151 140	198 151 146	
50	198 151 131	198 151 141	198 151 147	

Type 025 with stainless steel intermediate part



DN [mm]	FC size 1 Code	FC size 2 Code	FO Code	DA Code	
8	198 151 148		198 151 156	198 151 163	
15	198 151 149	198 151 150	198 151 157	198 151 164	
20	198 151 151		198 151 158	198 151 165	
25	198 151 152		198 151 159	198 151 166	
40	198 151 154		198 151 161	198 151 168	
50	198 151 155		198 151 162	198 151 169	

Diaseptic type 028 plastic acuator PPS GF40



DN [mm]	FC Code	
15	198 151 120	
20	198 151 121	
25	198 151 122	
32	198 151 123	
40	198 151 124	
50	198 151 125	

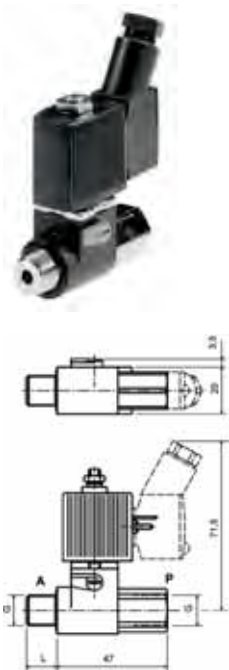
Pilot valves

Solenoid pilot valve type PV94

Pilot valve 3/2-ways

Model:

- For direct installation (including valve body and hollow screw)
- Port P compressed air connection G 1/8
- Port A actuator connection G 1/8
- With connector plug form C
- With adapter G1/8 to G1/4
- To pneumatic actuators FC/FO (single acting)
- Circuit function C: de-energized closed
- Valve material polyamid / brass

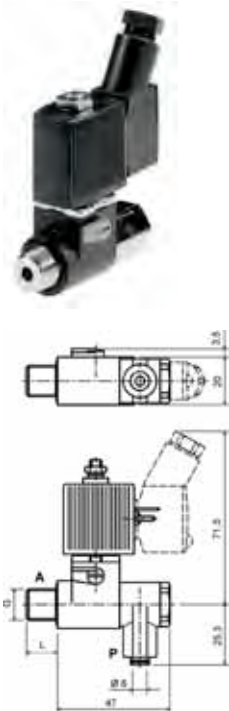


Voltage	DN [mm]	Compressed air connec- tion P	Actuator connec- tion	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	
24 V=	1.2	G 1/8	G 1/8	10	48	199 190 498	
24 V, 50-60 Hz	1.2	G 1/8	G 1/8	10	48	199 190 499	
110 V, 50-60 Hz	1.2	G 1/8	G 1/8	10	48	199 190 500	
230 V, 50-60 Hz	1.2	G 1/8	G 1/8	10	48	199 190 501	

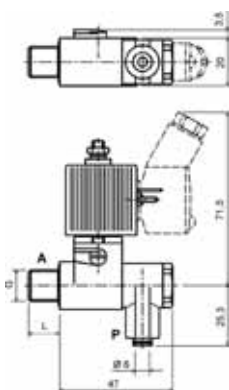
Pilot valve 3/2-ways

Model:

- For direct installation (including valve body and hollow screw)
- Port P compressed air connection tube push-in 6mm
- Port A actuator connection G 1/8
- With connector plug form C
- With adapter G1/8 to G1/4
- To pneumatic actuators FC/FO (single acting)
- Circuit function C: de-energized closed
- Valve material polyamid / brass



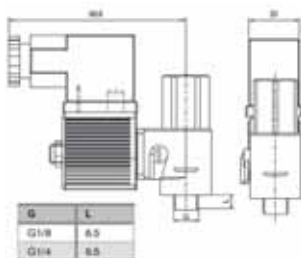
Voltage	DN [mm]	Compressed air connec- tion P	Actuator connec- tion	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	
24 V=	1.2	push-in	G 1/8	10	48	199 190 510	
24 V, 50-60 Hz	1.2	push-in	G 1/8	10	48	199 190 511	
110 V, 50-60 Hz	1.2	push-in	G 1/8	10	48	199 190 512	
230 V, 50-60 Hz	1.2	push-in	G 1/8	10	48	199 190 513	



Model:

- For direct installation (including valve body and hollow screw)
- Port P compressed air connection NPT 1/8
- Port A actuator connection G 1/8
- With connector plug form C
- With adapter G1/8 to G1/4
- To pneumatic actuators FC/FO (single acting)
- Circuit function C: de-energized closed
- Valve material polyamid / brass

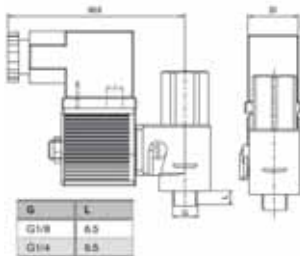
Voltage	DN [mm]	Compressed air connec- tion P	Actuator connec- tion	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	
24 V=	1.2	NPT 1/8	G 1/8	10	48	199 190 546	
24 V AC	1.2	NPT 1/8	G 1/8	10	48	199 190 561	
110 V, 50-60 Hz	1.2	NPT 1/8	G 1/8	10	48	199 190 547	



Model:

- For direct installation (including valve body and hollow screw)
- Port P compressed air connection G 1/8
- Port A actuator connection G 1/8
- With connector plug form B
- With adapter G1/8 to G1/4
- To pneumatic actuators FC/FO (single acting)
- Circuit function C: de-energized closed
- Valve material polyamid / brass

Voltage	DN [mm]	Compressed air connec- tion P	Actuator connec- tion	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	
24 V=	1.2	G 1/8	G 1/8	10	48	199 190 574	
230 V, 50-60 Hz	1.2	G 1/8	G 1/8	10	48	199 190 572	



Pilot valve 3/2-ways

Model:

- For direct installation (including valve body and hollow screw)
- Port P compressed air connection tube push-in 6mm
- Port A actuator connection G 1/8
- With connector plug form B
- With adapter G1/8 to G1/4
- To pneumatic actuators FC/FO (single acting)
- Circuit function C: de-energized closed
- Valve material polyamid / brass

Voltage	DN [mm]	Compressed air connec- tion P	Actuator connec- tion	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	
24 V=	1.2	push-in	G 1/8	10	48	199 190 573	
230 V, 50-60 Hz	1.2	push-in	G 1/8	10	48	199 190 571	



Accessory

Model:

- Cable plug to DIN EN 175301-803 (DIN 43 650) form C

Voltage	Version	NBR Code	
0-250 V	no circuitry	199 190 518	
0-24 V	with LED	199 190 519	
0-24 V	with LED and varistor	199 190 520	
0-24 V	with rectifier LED and varistor	199 190 521	
200-240 V	with LED	199 190 522	
200-240 V	with LED and varistor	199 190 523	



Accessory

Model:

- Cable plug, form B industrial standard

Voltage	Version	NBR Code	
0-250 V	no circuitry	199 190 578	
0-24 V	with LED	199 190 579	
0-250 V	with LED	199 190 580	
0-24 V	with rectifier LED	199 190 581	

Solenoid pilot valve type PV95

Pilot valve 3/2-ways

Model:

- For direct installation (including valve body and hollow screw)
- Port P compressed air connection G 1/4
- Port A actuator connection G 1/8
- With connector plug form A
- With adapter G1/8 to G1/4
- To pneumatic actuators FC/FO (single acting)
- Circuit function C: de-energized closed
- Valve material: brass
- Power consumption: 24VA at AC inrush; 17VA/8W at AC hold; 8W at DC

Voltage	DN [mm]	Compressed air connec- tion P	Actuator connec- tion	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	
24 V=	2.0	G 1/4	G 1/8	10	120	199 190 532	
24 V, 50-60 Hz	2.0	G 1/4	G 1/8	10	120	199 190 533	
110 V, 50-60 Hz	2.0	G 1/4	G 1/8	10	120	199 190 534	
230 V, 50-60 Hz	2.0	G 1/4	G 1/8	10	120	199 190 535	

Pilot valve 3/2-ways

Model:

- For direct installation (including valve body and hollow screw)
- Port P compressed air connection NPT 1/8
- Port A actuator connection G 1/4
- With connector plug form A
- With adapter G1/8 to G1/4
- To pneumatic actuators FC/FO (single acting)
- Circuit function C: de-energized closed
- Valve material: brass
- Power consumption: 24VA at AC inrush; 17VA/8W at AC hold; 8W at DC

Voltage	DN [mm]	Compressed air connec- tion P	Actuator connec- tion	PN	kv-value ($\Delta p=1$ bar) [l/min]	NBR Code	
24 V=	1.5	NPT 1/8	G 1/4	10	120	199 190 554	
110 V, 50-60 Hz	1.5	NPT 1/8	G 1/4	10	120	199 190 555	

Accessory

Model:

- Cable plug to DIN EN 175301-803 (DIN 43 650) form A

Voltage	Version	NBR Code	
0-250 V	no circuitry	199 190 540	
0-24 V	with LED	199 190 541	
0-24 V	with LED and varistor	199 190 542	
0-24 V	with rectifier LED and varistor	199 190 543	
200-240 V	with LED	199 190 544	
200-240 V	with LED and varistor	199 190 545	