

Product Range

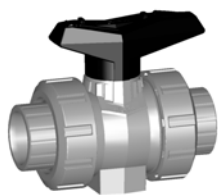
**Type 546
Manual and Actuated
Ball Valves
DN10 to DN100**



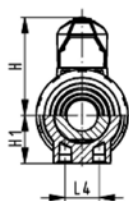
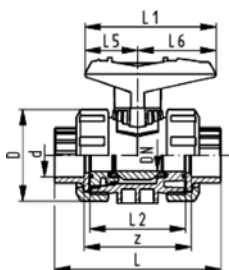
GEORG FISCHER
PIPING SYSTEMS

Ball valves

Ball valve type 546 PP-H With fusion sockets metric



DN10/15 - 50



Model:

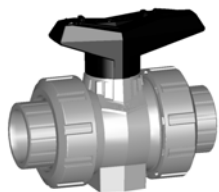
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

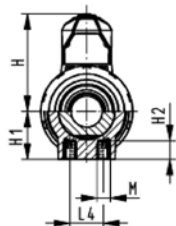
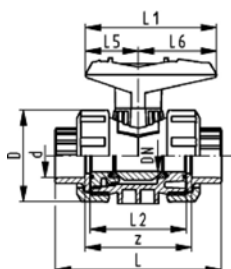
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	0.180	
32	25	10	700	167 546 004	167 546 014	0.255	
40	32	10	1000	167 546 005	167 546 015	0.440	
50	40	10	1600	167 546 006	167 546 016	0.610	
63	50	10	3100	167 546 007	167 546 017	1.145	
 75	65	10	5000	167 546 008	167 546 018	3.700	
 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	



DN10/15 - 50



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

Model:

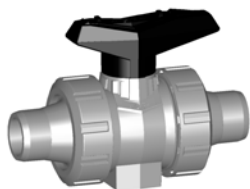
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

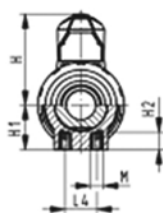
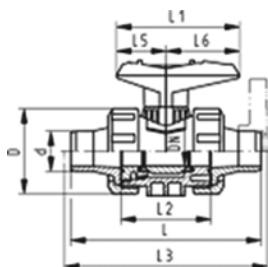
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	71	167 546 401	167 546 411	0.115	
20	15	10	185	167 546 402	167 546 412	0.115	
25	20	10	350	167 546 403	167 546 413	0.180	
32	25	10	700	167 546 404	167 546 414	0.255	
40	32	10	1000	167 546 405	167 546 415	0.440	
50	40	10	1600	167 546 406	167 546 416	0.610	
63	50	10	3100	167 546 407	167 546 417	1.145	
 75	65	10	5000	167 546 408	167 546 418	3.700	
 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:

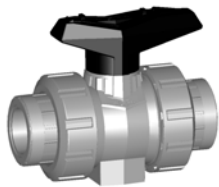
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

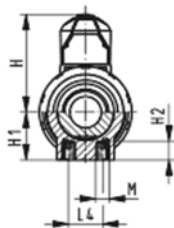
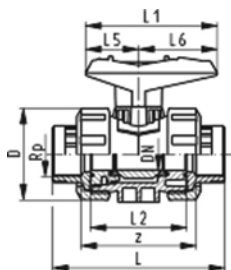
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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 Rp

Model:

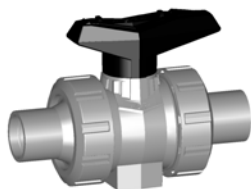
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

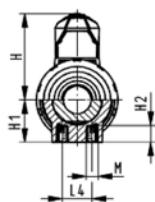
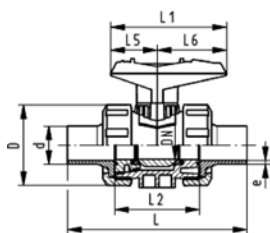
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg							
$\frac{3}{8}$	10	10	71	167 546 021	167 546 031	0.120							
$\frac{1}{2}$	15	10	185	167 546 022	167 546 032	0.120							
$\frac{3}{4}$	20	10	350	167 546 023	167 546 033	0.180							
1	25	10	700	167 546 024	167 546 034	0.270							
1 $\frac{1}{4}$	32	10	1000	167 546 025	167 546 035	0.460							
1 $\frac{1}{2}$	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]		
$\frac{3}{8}$	50	57	27	12	96	77	56	25	32	45	M6	69		
$\frac{1}{2}$	50	57	27	12	99	77	56	25	32	45	M6	67		
$\frac{3}{4}$	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 $\frac{1}{4}$	84	90	44	15	146	128	85	45	54	74	M8	100		
1 $\frac{1}{2}$	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 butt fusion spigots IR-Plus SDR11 metric

Model:

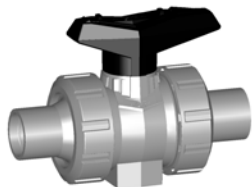
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

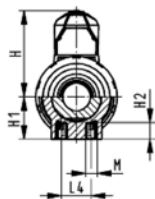
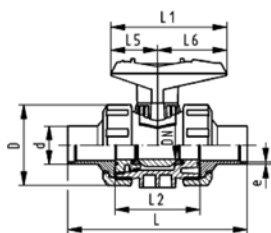
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	0.120	
25	20	10	350	167 546 443	167 546 453	0.180	
32	25	10	700	167 546 444	167 546 454	0.255	
40	32	10	1000	167 546 445	167 546 455	0.440	
50	40	10	1600	167 546 446	167 546 456	0.620	
63	50	10	3100	167 546 447	167 546 457	1.200	
75	65	10	5000	167 546 448	167 546 458	3.800	
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	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	



DN10/15 - 50



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

Model:

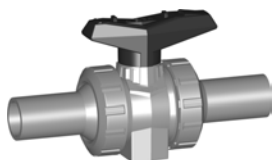
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

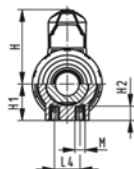
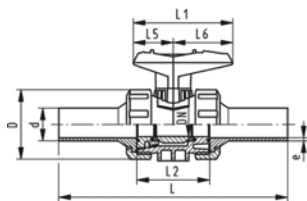
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	3.800	
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	



DN10/15 - 50



Ball valve type 546 PP-H

With mounting inserts

With butt fusion spigots long SDR11 metric

Model:

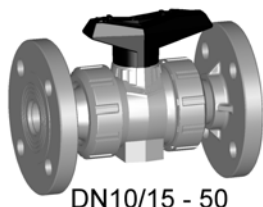
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

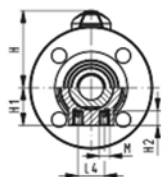
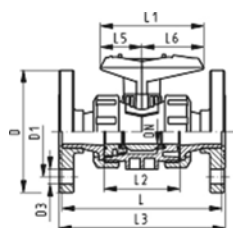
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	1.320	

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	3	
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 fixed flanges PP-H serrated metric

Model:

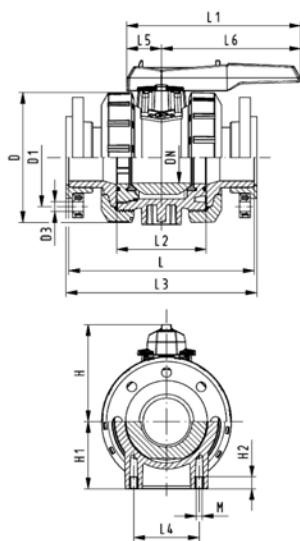
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Overall length EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

Option:

- Individual configuration of the valve (see form)
- 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	1/2	10	185	167 546 182	167 546 192	0.245	
25	20	3/4	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 1/4	10	1000	167 546 185	167 546 195	0.830	
50	40	1 1/2	10	1600	167 546 186	167 546 196	1.100	
63	50	2	10	3100	167 546 187	167 546 197	1.830	

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	



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

Model:

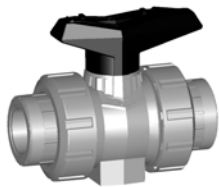
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005, EN 1092, BS 4504, DIN 2501; bolt circle PN 10

Option:

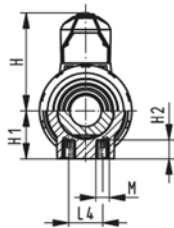
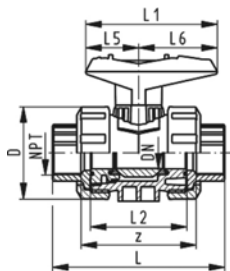
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	4.300	
90	80	10	7000	167 546 809	167 546 819	6.400	
110	100	10	11000	167 546 810	167 546 820	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	



DN10/15 - 50



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

Model:

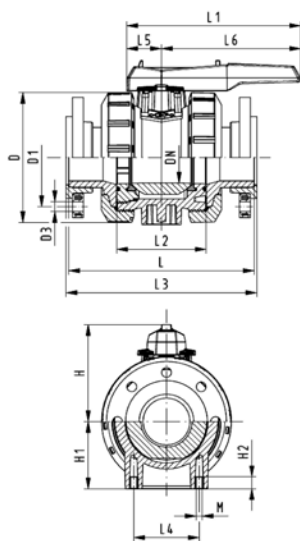
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)
- 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							
$\frac{3}{8}$	10	10	71	167 546 321	167 546 331	0.120							
$\frac{1}{2}$	15	10	185	167 546 322	167 546 332	0.120							
$\frac{3}{4}$	20	10	350	167 546 323	167 546 333	0.180							
1	25	10	700	167 546 324	167 546 334	0.270							
1 $\frac{1}{4}$	32	10	1000	167 546 325	167 546 335	0.460							
1 $\frac{1}{2}$	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]		
$\frac{3}{8}$	50	57	27	12	96	77	56	25	32	45	M6	71		
$\frac{1}{2}$	50	57	27	12	99	77	56	25	32	45	M6	64		
$\frac{3}{4}$	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 $\frac{1}{4}$	84	90	44	15	146	128	85	45	54	74	M8	100		
1 $\frac{1}{2}$	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		



Ball valve type 546 PP-H With mounting inserts With backing flanges PP-st ANSI

Model:

- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

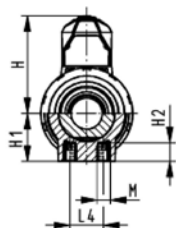
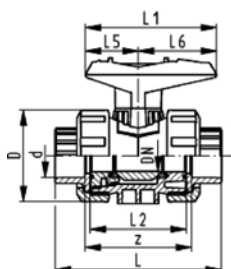
Option:

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

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 2 1/2	65	10	5000	167 546 868	167 546 878	4.300								
 3	80	10	7000	167 546 869	167 546 879	6.400								
 4	100	10	11000	167 546 870	167 546 880	10.000								
Inch	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	
 2 1/2	166	140	19	280	270	136	290	70	64	206	149	85	8	
 3	200	152	19	296	270	141	310	70	64	206	161	105	8	
 4	238	191	19	336	320	164	350	120	64	256	178	123	12	



DN10/15 - 50



Ball valve type 546 PP-H With mounting inserts With fusion sockets PE 100 metric

Model:

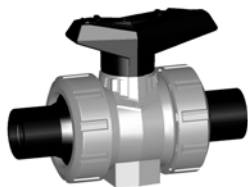
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

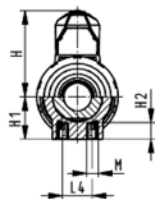
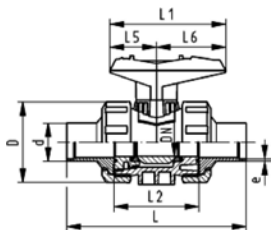
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	



DN10/15 - 50



Ball valve type 546 PP-H

With mounting inserts

With butt fusion spigots PE 100 SDR11 metric

Model:

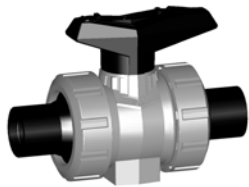
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

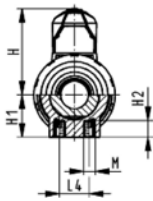
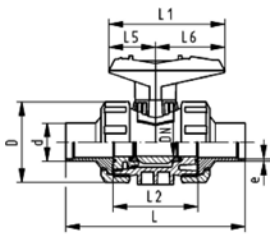
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	3		
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		



DN10/15 - 50



Ball valve type 546 PP-H

With mounting inserts

With butt fusion spigots PE 100 SDR17.6 metric

Model:

- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

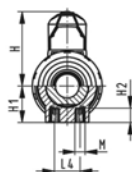
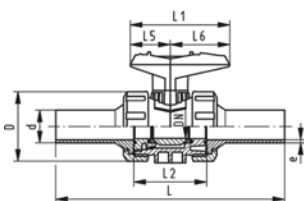
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	



DN10/15 - 50



Ball valve type 546 PP-H

With mounting inserts

With butt fusion spigots long PE 100 SDR11 metric

Model:

- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

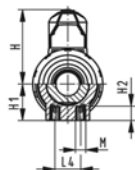
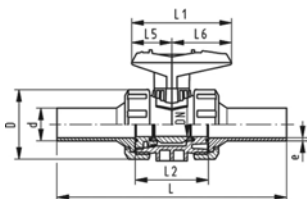
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	1.320	
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	3	
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	



DN10/15 - 50



Ball valve type 546 PP-H

With mounting inserts

With butt fusion spigots long PE 100 SDR17,6 metric

Model:

- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

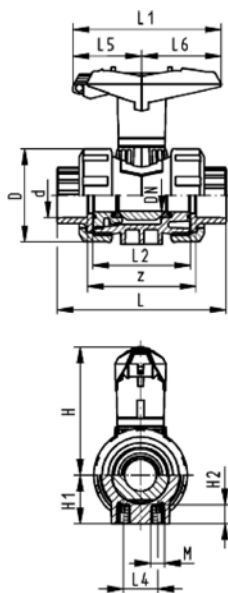
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

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	5.800	
 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	



DN10/15 - 50



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

Model:

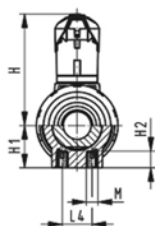
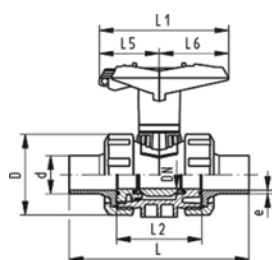
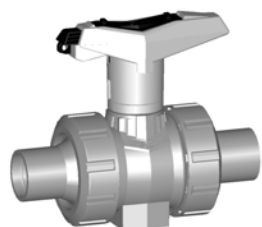
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Lockable hand lever with ratchet settings

Option:

- Individual configuration of the valve (see form)
- 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	5.900							
110	100	10	11000	167 546 430	167 546 440	9.100							

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	



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

Model:

- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Lockable hand lever with ratchet settings

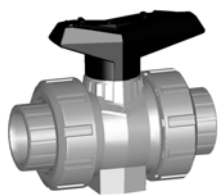
Option:

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

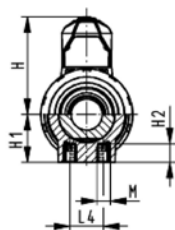
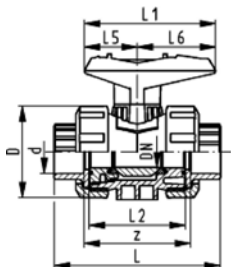
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	10	185	167 546 462	167 546 472	0.130	
25	20	10	350	167 546 463	167 546 473	0.195	
32	25	10	700	167 546 464	167 546 474	0.270	
40	32	10	1000	167 546 465	167 546 475	0.465	
50	40	10	1600	167 546 466	167 546 476	0.645	
63	50	10	3100	167 546 467	167 546 477	1.230	
 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	3	
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	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	

Ball valves



DN10/15 - 50



PROGEF® PLUS silicone free Ball valve type 546 PP-H SF With mounting inserts With fusion sockets metric

Model:

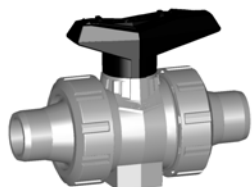
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PVDF

Option:

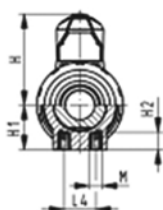
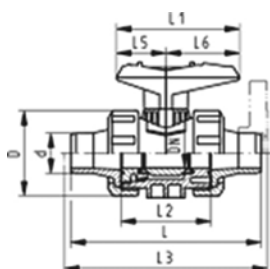
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches

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



PROGEF® PLUS silicone free Ball valve type 546 PP-H SF With mounting inserts With socket fusion spigots metric

Model:

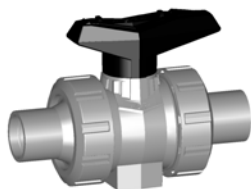
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PVDF

Option:

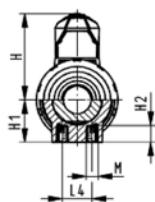
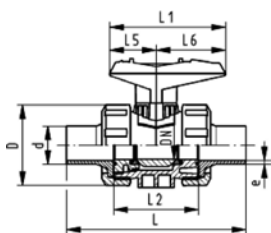
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches

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



PROGEF® PLUS silicone free **Ball valve type 546 PP-H SF** **With mounting inserts** **With butt fusion spigots IR-Plus SDR11 metric**

Model:

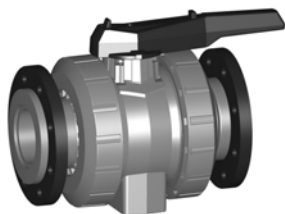
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Integrated stainless steel mounting inserts
- Double bagged
- Ball seals PVDF

Option:

- Individual configuration of the valve (see form)
- 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	3.800	
 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	
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	



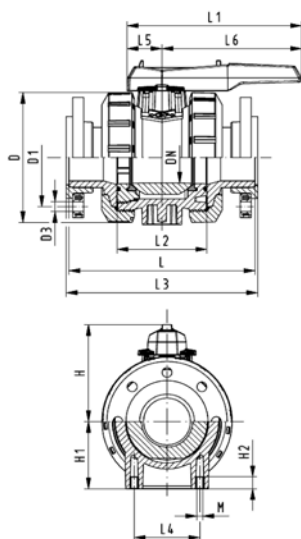
PROGEF® PLUS silicone free **Ball valve type 546 PP-H SF** **With mounting inserts** **With backing flanges PP-st metric**

Model:

- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve 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 558-1
- Connecting dimensions: ISO 7005, EN 1092, BS 4504, DIN 2501; bolt circle PN 10

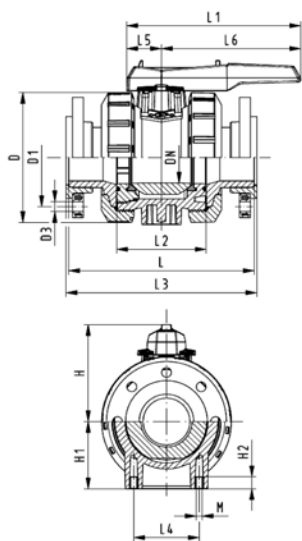
Option:

- Individual configuration of the valve (see form)
- 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	



PROGEF® PLUS silicone free **Ball valve type 546 PP-H SF** **With mounting inserts** **With backing flanges PP-st ANSI**

Model:

- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve 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 558-1
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

Option:

- Individual configuration of the valve (see form)
- 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	

Copiable

Configurator GF ball valve type 546 PP-H

Ball Valve

A01 Ball Valve 546
A02 Linear Ball Valve

Material
B05 PP-H

Dimension

C05 d 16 DN 10 3/8"
C06 d 20 DN 15 1/2"
C07 d 25 DN 20 3/4"
C08 d 32 DN 25 1"
C09 d 40 DN 32 1 1/4"
C10 d 50 DN 40 1 1/2"
C11 d 63 DN 50 2"
C12 d 75 DN 65 2 1/2"
C13 d 90 DN 80 3"
C14 d 110 DN 100 4"
C15 d 160 DN 150 6"

Version

D01 Standard, PTFE ball seal
D02 oilfree, PTFE ball seal (only with specific connecting parts)
D03 silicon-free, PTFE ball seal (only with specific connecting parts)
D04 silicon-free, PVDF ball seal for metric (only with specific connecting parts)

Seals

E01 EPDM seals
E02 FPM seals
E03 FPM (KALREZ®) seals

Threaded inserts

F01 without threaded inserts
F02 with threaded inserts

Connecting parts

G30 PP-H Fusion socket metric
G32 PP-H Socket fusion spigot metric
G33 PP-H Threaded socket Rp reinforced
G34 PP-H Threaded socket NPT reinforced
G35 PP-H Butt fusion spigot SDR 11 metric IR-PLUS®
G36 PP-H Butt fusion spigot SDR 17.6 metric with this valve end the maximum nominal pressure is reduced to PN 6
G37 PP-H Butt fusion spigot long SDR11 metric
G83 PP-H Valve end blank
G44 PE-100 Butt fusion spigot long SDR17.6 metric (DN65-100)
G63 Fixed flange PP-H serrated metric (DN10-50)
G72 Backing flange PP-steel metric
G73 Backing flange PP-steel inch ANSI
G77 Backing flange PP JIS with connecting parts
G78 Backing flange PP-GF JIS
G40 PE-100 Fusion socket metric
G41 PE-100 Butt fusion spigot SDR11 metric
G42 PE-100 Butt fusion spigot SDR17.6 metric
G43 PE-100 Butt fusion spigot long SDR11 metric

Multi-functional module

I01 No multi-functional module
I02 Empty module
I03 Module with 2 end switches Ag, Ni
I04 Module with 2 end switches Au
I05 Module with 2 inductive switches Namur
I06 Module with 2 inductive switches PNP
I07 Module with 2 inductive switches NPN

Lever

K01 Standard lever red
K02 Standard lever black
K11 Multi-functional lever red

Mounting plate

L01 without mounting plate
L02 with mounting plate

A01

B05

C

D

E

F

G

G

I

K

L

left

right

You will find a large selection of different versions in our range of products. New system elements also provide you with new opportunities for use. In order for us to supply exactly the ball valve you need for your application, we have created a selection menu for you. (The maximum nominal pressure for the ball valve is PN10).

We supply what you put together.

Find the fitting solution with the Configurator

Ball Valve
A01 Ball Valve 546
A02 Linear Ball Valve 546

Material
B05 PP-H

Dimension
C05 d 16 DN 10 3/8"
C06 d 20 DN 15 1/2"
C07 d 25 DN 20 3/4"
C08 d 32 DN 25 1"
C09 d 40 DN 32 1 1/4"
C10 d 50 DN 40 1 1/2"
C11 d 63 DN 50 2"
C12 d 75 DN 65 2 1/2"
C13 d 90 DN 80 3"
C14 d 110 DN 100 4"
C15 d 160 DN 150 6"

Version
D01 Standard, PTFE ball seal
D02 oilfree, PTFE ball seal (only with specific connecting parts)
D03 silicon-free, PTFE ball seal (only with specific connecting parts)
D04 silicon-free, PVDF ball seal for metric (only with specific connecting parts)

Seals
E01 EPDM Seals
E02 FPM Seals
E03 FFPM (KALREZ®) seals

Threaded inserts
F01 without threaded inserts
F02 with threaded inserts

Connecting parts
G30 PP-H Fusion socket metric
G32 PP-H Socket fusion spigot metric
G33 PP-H Threaded socket Rp reinforced
G34 PP-H Threaded socket NPT reinforced
G35 PP-H Butt fusion spigot SDR 11 metric IR Plus ®
G36 PP-H Butt fusion spigot SDR 17.6 metric (limited dimension range) with this valve end the maximum nominal pressure is reduced to PN 6
G37 PP-H Butt fusion spigot long SDR11 metric
G83 PP-H Valve end blank
G63 Fixed flange PP-H serrated metric
G72 Backing flange PP-steel metric
G73 Backing flange PP-steel inch ANSI
G77 Backing flange PP-GF JIS
G40 PE-100 Fusion socket metric
G41 PE-100 Butt fusion spigot SDR11 metric
G42 PE-100 Butt fusion spigot SDR17.6 metric (limited dimension range)
G43 PE-100 Butt fusion spigot long SDR11 metric
G44 PE-100 Butt fusion spigot long SDR17.6 metric (DN65-100)
G11 PVC-C Cement socket metric
G12 PVC-C Cement socket JIS
G13 PVC-C Cement socket inch ASTM
G14 PVC-C Cement spigot metric
G15 PVC-C Threaded socket Rp
G16 PVC-C Threaded socket Rp reinforced
G17 PVC-C Threaded socket NPT

Multi-functional module
I01 No multi-functional module
I02 Empty module
I03 Module with 2 limit switches Ag, Ni
I04 Module with 2 limit switches Au
I05 Module with 2 inductive switches Namur
I06 Module with 2 inductive switches PNP
I07 Module with 2 inductive switches NPN

Lever
K01 Standard lever red
K02 Standard lever black
K11 Multi-functional lever red

Mounting plate
L01 without mounting plate
L02 with mounting plate

A01 B05 C09 D01 E01 F02 G30 G41 I01 K02 L02

left right

=



Example:

Type 546 PP-H, nominal width DN 32, PTFE ball seal, EPDM seals, with threaded inserts and mounting plate, Connecting part left, PP-H cement socket metric, Connecting part right, PE-100 butt fusion spigot SDR 11 metric

That's all it takes to configure your ball valve

Ball valves electric

Ball valve type 107 PP-H 100-230V With manual emergency override With fusion sockets metric



DN10/15 - 50

Model:

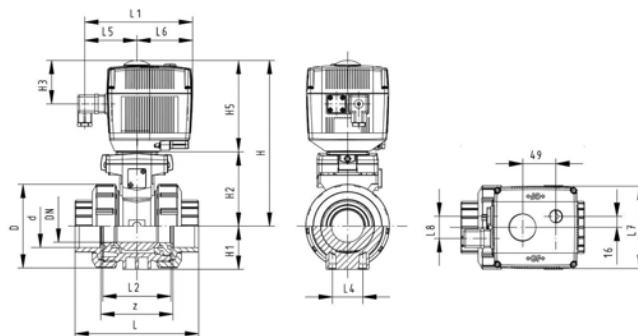
- Built on with electric actuator EA11
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
16	10	10	70	199 107 502	199 107 512	2.100										
20	15	10	185	199 107 503	199 107 513	2.100										
25	20	10	350	199 107 504	199 107 514	2.200										
32	25	10	700	199 107 505	199 107 515	2.300										
40	32	10	1000	199 107 506	199 107 516	2.600										
50	40	10	1600	199 107 507	199 107 517	3.000										
63	50	10	3100	199 107 508	199 107 518	3.800										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	z [mm]
16	50	200	27	64	64	137	93	161	56	25	77	83	122	33	67
20	50	200	27	64	64	137	95	161	56	25	77	83	122	33	66
25	58	209	30	73	64	137	108	161	65	25	77	83	122	33	77
32	68	209	36	73	64	137	118	161	71	25	77	83	122	33	83
40	84	220	44	84	64	137	137	161	85	45	77	83	122	33	99
50	97	220	51	84	64	137	147	161	89	45	77	83	122	33	105
63	124	243	64	106	64	137	168	161	101	45	77	83	122	33	117





Ball valve type 107 PP-H 24V

With manual emergency override

With fusion sockets metric

Model:

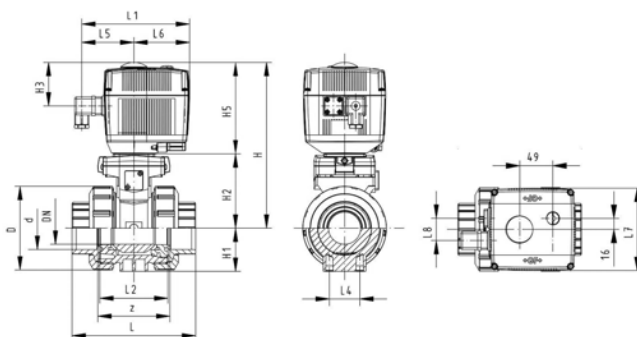
- Built on with electric actuator EA11
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 107 542	199 107 552	2.100	
20	15	10	185	199 107 543	199 107 553	2.100	
25	20	10	350	199 107 544	199 107 554	2.200	
32	25	10	700	199 107 545	199 107 555	2.300	
40	32	10	1000	199 107 546	199 107 556	2.600	
50	40	10	1600	199 107 547	199 107 557	3.000	
63	50	10	3100	199 107 548	199 107 558	3.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	z [mm]
16	50	200	27	64	64	137	93	161	56	25	77	83	122	33	67
20	50	200	27	64	64	137	95	161	56	25	77	83	122	33	66
25	58	209	30	73	64	137	108	161	65	25	77	83	122	33	77
32	68	209	36	73	64	137	118	161	71	25	77	83	122	33	83
40	84	220	44	84	64	137	137	161	85	45	77	83	122	33	99
50	97	220	51	84	64	137	147	161	89	45	77	83	122	33	105
63	124	243	64	106	64	137	168	161	101	45	77	83	122	33	117





Ball valve type 107 PP-H 100-230V

With manual emergency override

With fusion spigots metric

Model:

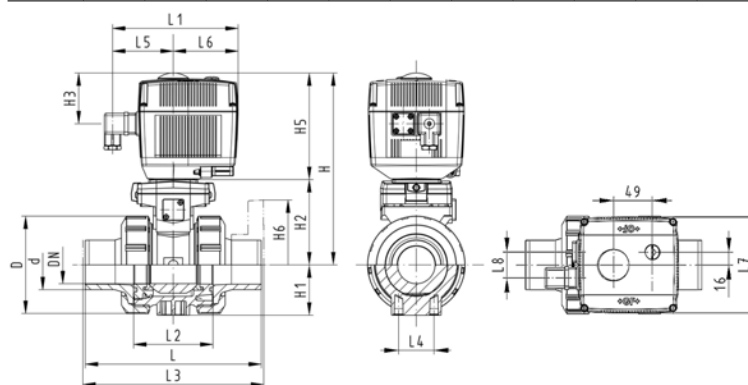
- Built on with electric actuator EA11
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time 5 s/90°<
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 107 522	199 107 532	2.100	
20	15	10	185	199 107 523	199 107 533	2.100	
25	20	10	350	199 107 524	199 107 534	2.200	
32	25	10	700	199 107 525	199 107 535	2.300	
40	32	10	1000	199 107 526	199 107 536	2.600	
50	40	10	1600	199 107 527	199 107 537	3.000	
63	50	10	3100	199 107 528	199 107 538	3.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	
16	50	200	27	64	64	137	110	161	56	130	25	77	83	122	33	
20	50	200	27	64	64	137	120	161	56	130	25	77	83	122	33	
25	58	209	30	73	64	137	139	161	65	150	25	77	83	122	33	
32	68	209	36	73	64	137	150	161	71	160	25	77	83	122	33	
40	84	220	44	84	64	137	170	161	85	180	45	77	83	122	33	
50	97	220	51	84	64	137	190	161	89	200	45	77	83	122	33	
63	124	243	64	106	64	137	220	161	101	230	45	77	83	122	33	





Ball valve type 107 PP-H 24V

With manual emergency override

With fusion spigots metric

Model:

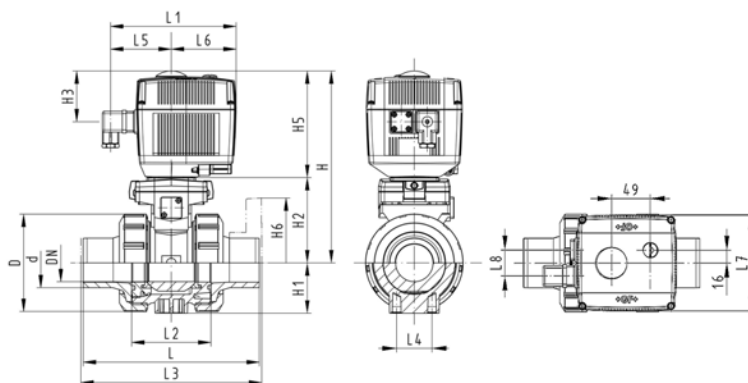
- Built on with electric actuator EA11
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

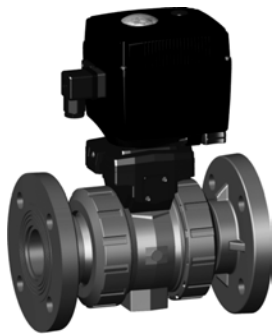
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 107 562	199 107 572	2.100	
20	15	10	185	199 107 563	199 107 573	2.100	
25	20	10	350	199 107 564	199 107 574	2.200	
32	25	10	700	199 107 565	199 107 575	2.300	
40	32	10	1000	199 107 566	199 107 576	2.600	
50	40	10	1600	199 107 567	199 107 577	3.000	
63	50	10	3100	199 107 568	199 107 578	3.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]
16	50	200	27	64	64	137	110	161	56	130	25	77	83	122	33
20	50	200	27	64	64	137	120	161	56	130	25	77	83	122	33
25	58	209	30	73	64	137	139	161	65	150	25	77	83	122	33
32	68	209	36	73	64	137	156	161	71	160	25	77	83	122	33
40	84	220	44	84	64	137	170	161	85	180	45	77	83	122	33
50	97	220	51	84	64	137	190	161	89	200	45	77	83	122	33
63	124	243	64	106	64	137	220	161	101	230	45	77	83	122	33





DN10/15 - 50

Ball valve type 107 PP-H 100-230V

With manual emergency override

With fixed flanges PP-H serrated metric

Model:

- Built on with electric actuator EA11
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

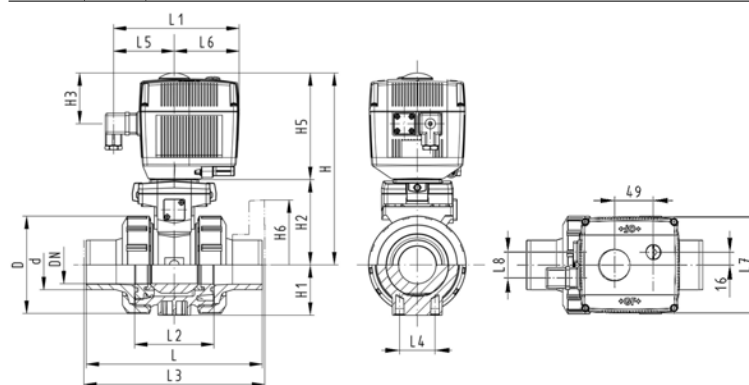
Option:

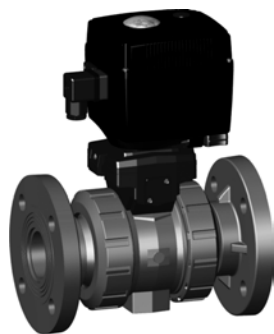
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
20	15	½	10	185	199 107 583	199 107 593	2.300								
25	20	¾	10	350	199 107 584	199 107 594	2.500								
32	25	1	10	700	199 107 585	199 107 595	2.700								
40	32	1 ¼	10	1000	199 107 586	199 107 596	3.200								
50	40	1 ½	10	1600	199 107 587	199 107 597	3.700								
63	50	2	10	3100	199 107 588	199 107 598	4.800								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	200	27	64	64	137	48	120	161	56	130	25	77	83	122
25	58	209	30	73	64	137	53	140	161	65	150	25	77	83	122
32	68	209	36	73	64	137	58	150	161	71	160	25	77	83	122
40	84	220	44	84	64	137	70	170	161	85	180	45	77	83	122
50	97	220	51	84	64	137	75	190	161	89	200	45	77	83	122
63	124	243	64	106	64	137	165	220	161	101	230	45	77	83	122

d [mm]	L8 [mm]
20	33
25	33
32	33
40	33
50	33
63	33





DN10/15 - 50

Ball valve type 107 PP-H 24V

With manual emergency override

With fixed flanges PP-H serrated metric

Model:

- Built on with electric actuator EA11
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

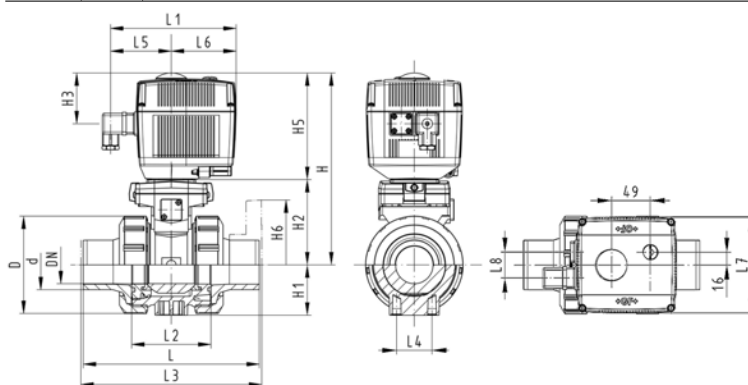
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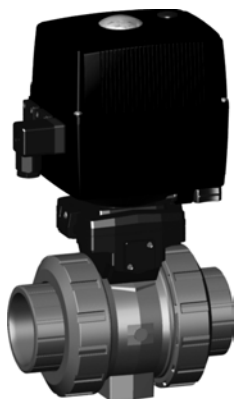
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	½	10	185	199 107 783	199 107 793	2.300	
25	20	¾	10	350	199 107 784	199 107 794	2.500	
32	25	1	10	700	199 107 785	199 107 795	2.700	
40	32	1 ¼	10	1000	199 107 786	199 107 796	3.200	
50	40	1 ½	10	1600	199 107 787	199 107 797	3.700	
63	50	2	10	3100	199 107 788	199 107 798	4.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
20	50	200	27	64	64	137	48	120	161	56	130	25	77	83	122	
25	58	209	30	73	64	137	53	140	161	65	150	25	77	83	122	
32	68	209	36	73	64	137	58	150	161	71	160	25	77	83	122	
40	84	220	44	84	64	137	70	170	161	85	180	45	77	83	122	
50	97	220	51	84	64	137	75	190	161	89	200	45	77	83	122	
63	124	243	64	106	64	137	165	220	161	101	230	45	77	83	122	

d [mm]	L8 [mm]	
20	33	
25	33	
32	33	
40	33	
50	33	
63	33	





DN10/15 - 50

Ball valve type 131 PP-H 100-230V With manual emergency override With fusion sockets metric

Model:

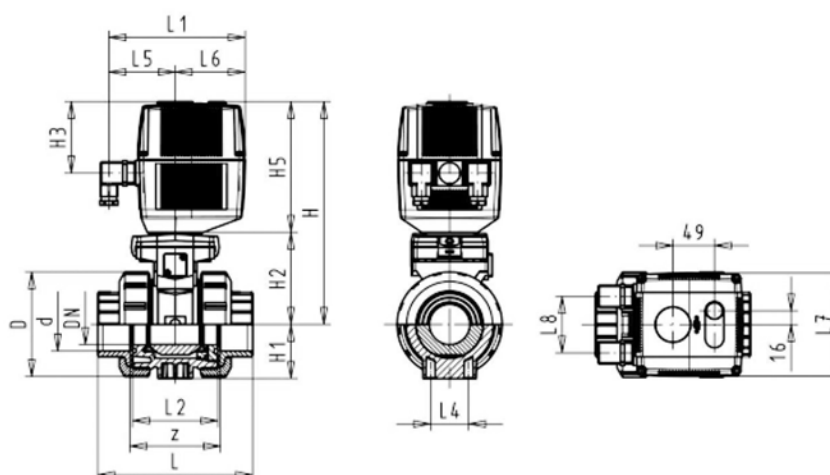
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

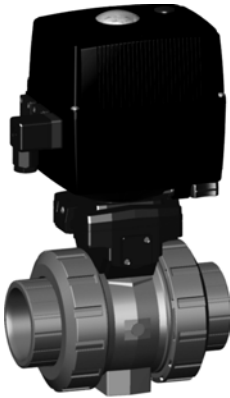
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 131 002	199 131 012	2.100	
20	15	10	185	199 131 003	199 131 013	2.100	
25	20	10	350	199 131 004	199 131 014	2.200	
32	25	10	700	199 131 005	199 131 015	2.300	
40	32	10	1000	199 131 006	199 131 016	2.600	
50	40	10	1600	199 131 007	199 131 017	3.000	
63	50	10	3100	199 131 008	199 131 018	3.800	
 75	65	10	5000	199 131 009	199 131 019	3.600	
 90	80	10	7000	199 131 010	199 131 020	4.300	
 110	100	10	11000	199 131 011	199 131 021	5.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]
16	50	231	27	64	94	167	93	180	56	25	97	83	122	67
20	50	231	27	64	94	167	95	180	56	25	97	83	122	66
25	58	240	30	73	94	167	108	180	65	25	97	83	122	77
32	68	240	36	73	94	167	118	180	71	25	97	83	122	83
40	84	251	44	84	94	167	137	180	85	45	97	83	122	99
50	97	251	51	84	94	167	147	180	89	45	97	83	122	105
63	124	273	64	106	94	167	168	180	101	45	97	83	122	117
 75	166	346	85	156	94	190	233	180	136	70	98	83	122	167
 90	200	358	105	168	94	190	254	180	141	70	98	83	122	180
 110	238	365	123	175	94	190	301	180	164	120	98	83	122	215





DN10/15 - 50

Ball valve type 131 PP-H 24V With manual emergency override With fusion sockets metric

Model:

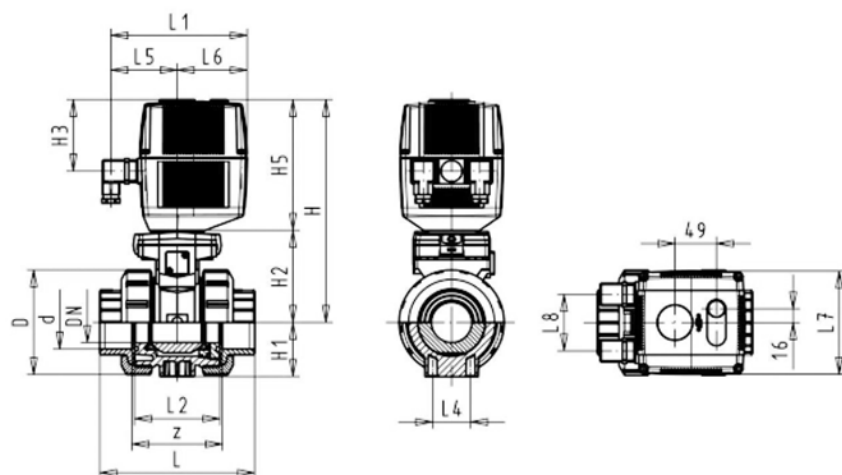
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 131 042	199 131 052	2.100	
20	15	10	185	199 131 043	199 131 053	2.100	
25	20	10	350	199 131 044	199 131 054	2.200	
32	25	10	700	199 131 045	199 131 055	2.300	
40	32	10	1000	199 131 046	199 131 056	2.600	
50	40	10	1600	199 131 047	199 131 057	3.000	
63	50	10	3100	199 131 048	199 131 058	3.800	
 75	65	10	5000	199 131 049	199 131 059	3.600	
 90	80	10	7000	199 131 050	199 131 060	4.300	
 110	100	10	11000	199 131 051	199 131 061	5.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]	
16	50	231	27	64	94	167	93	180	56	25	97	83	122	67	
20	50	231	27	64	94	167	95	180	56	25	97	83	122	66	
25	58	240	30	73	94	167	108	180	65	25	97	83	122	77	
32	68	240	36	73	94	167	118	180	71	25	97	83	122	83	
40	84	251	44	84	94	167	137	180	85	45	97	83	122	99	
50	97	251	51	84	94	167	147	180	89	45	97	83	122	105	
63	124	273	64	106	94	167	168	180	101	45	97	83	122	117	
 75	166	346	85	156	94	190	233	180	136	70	98	83	122	167	
 90	200	358	105	168	94	190	254	180	141	70	98	83	122	180	
 110	238	365	123	175	94	190	301	180	164	120	98	83	122	215	





DN10/15 - 50

Ball valve type 131 PP-H 100-230V With manual emergency override With socket fusion spigots metric

Model:

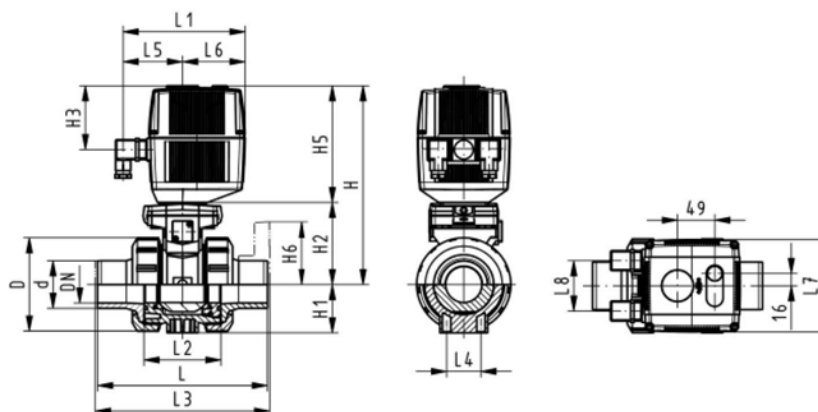
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

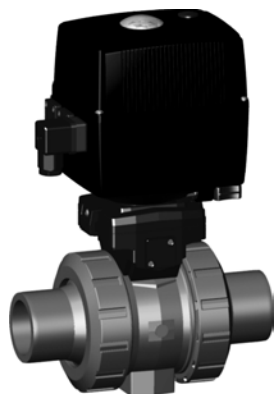
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 131 022	199 131 032	2.100	
20	15	10	185	199 131 023	199 131 033	2.100	
25	20	10	350	199 131 024	199 131 034	2.200	
32	25	10	700	199 131 025	199 131 035	2.300	
40	32	10	1000	199 131 026	199 131 036	2.600	
50	40	10	1600	199 131 027	199 131 037	3.000	
63	50	10	3100	199 131 028	199 131 038	3.800	
 75	65	10	5000	199 131 029	199 131 039	3.600	
 90	80	10	7000	199 131 030	199 131 040	4.400	
 110	100	10	11000	199 131 031	199 131 041	5.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
16	50	231	27	64	94	167	110	180	56	130	25	97	83	122	
20	50	231	27	64	94	167	120	180	56	130	25	97	83	122	
25	58	240	30	73	94	167	139	180	65	150	25	97	83	122	
32	68	240	36	73	94	167	150	180	71	160	25	97	83	122	
40	84	251	44	84	94	167	170	180	85	180	45	97	83	122	
50	97	251	51	84	94	167	190	180	89	200	45	97	83	122	
63	124	273	64	106	94	167	220	180	101	230	45	97	83	122	
 75	166	346	85	156	94	190	280	180	136	290	70	98	83	122	
 90	200	358	105	168	94	190	296	180	141	310	70	98	83	122	
 110	238	365	123	175	94	190	336	180	164	350	120	98	83	122	





DN10/15 - 50

Ball valve type 131 PP-H 24V With manual emergency override With socket fusion spigots metric

Model:

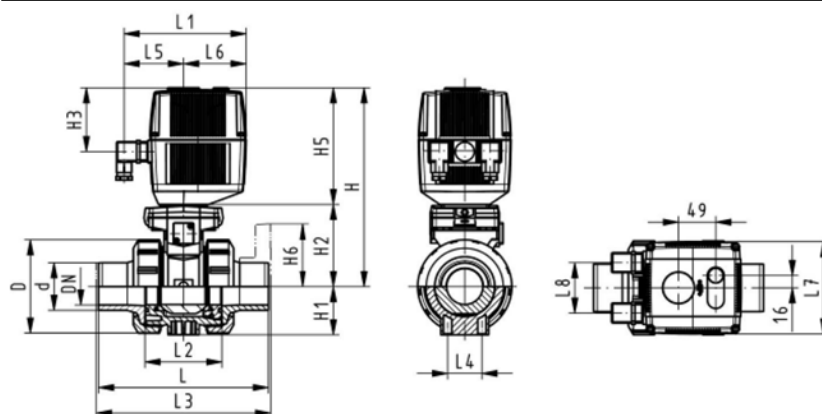
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 131 062	199 131 072	2.100	
20	15	10	185	199 131 063	199 131 073	2.100	
25	20	10	350	199 131 064	199 131 074	2.200	
32	25	10	700	199 131 065	199 131 075	2.300	
40	32	10	1000	199 131 066	199 131 076	2.600	
50	40	10	1600	199 131 067	199 131 077	3.000	
63	50	10	3100	199 131 068	199 131 078	3.800	
 75	65	10	5000	199 131 069	199 131 079	3.600	
 90	80	10	7000	199 131 070	199 131 080	4.400	
 110	100	10	11000	199 131 071	199 131 081	5.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
16	50	231	27	64	94	167	110	180	56	130	25	97	83	122	
20	50	231	27	64	94	167	120	180	56	130	25	97	83	122	
25	58	240	30	73	94	167	139	180	65	150	25	97	83	122	
32	68	240	36	73	94	167	150	180	71	160	25	97	83	122	
40	84	251	44	84	94	167	170	180	85	180	45	97	83	122	
50	97	251	51	84	94	167	190	180	89	200	45	97	83	122	
63	124	273	64	106	94	167	220	180	101	230	45	97	83	122	
 75	166	346	85	156	94	190	280	180	136	290	70	98	83	122	
 90	200	358	105	168	94	190	296	180	141	310	70	98	83	122	
 110	238	365	123	175	94	190	336	180	164	350	120	98	83	122	





DN10/15 - 50

Ball valve type 131 PP-H 100-230V With manual emergency override With fixed flanges PP-H serrated metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

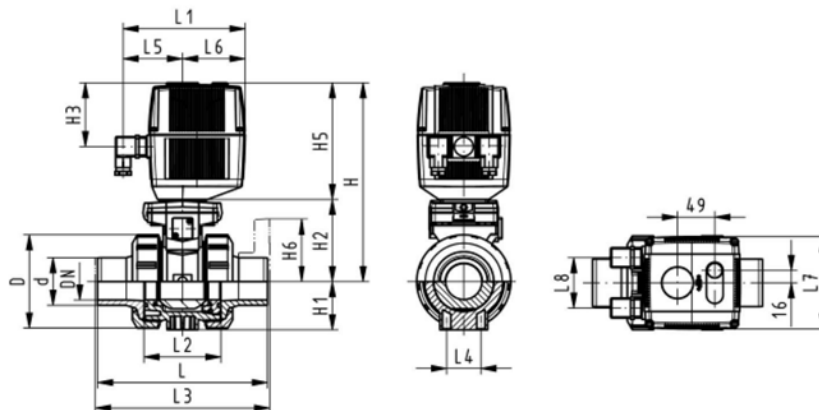
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	½	10	185	199 131 083	199 131 093	2.300
25	20	¾	10	350	199 131 084	199 131 094	2.500
32	25	1	10	700	199 131 085	199 131 095	2.700
40	32	1 ¼	10	1000	199 131 086	199 131 096	3.200
50	40	1 ½	10	1600	199 131 087	199 131 097	3.700
63	50	2	10	3100	199 131 088	199 131 098	4.800

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	231	27	64	94	167	48	120	180	56	130	25	97	83	122
25	58	240	30	73	94	167	53	140	180	65	150	25	97	83	122
32	68	240	36	73	94	167	58	150	180	71	160	25	97	83	122
40	84	251	44	84	94	167	70	170	180	85	180	45	97	83	122
50	97	251	51	84	94	167	75	190	180	89	200	45	97	83	122
63	124	273	64	106	94	167	165	220	180	101	230	45	97	83	122

d [mm]	L8 [mm]
20	66
25	66
32	66
40	66
50	66
63	66





Ball valve type 131 PP-H 24V

With manual emergency override

With fixed flanges PP-H serrated metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

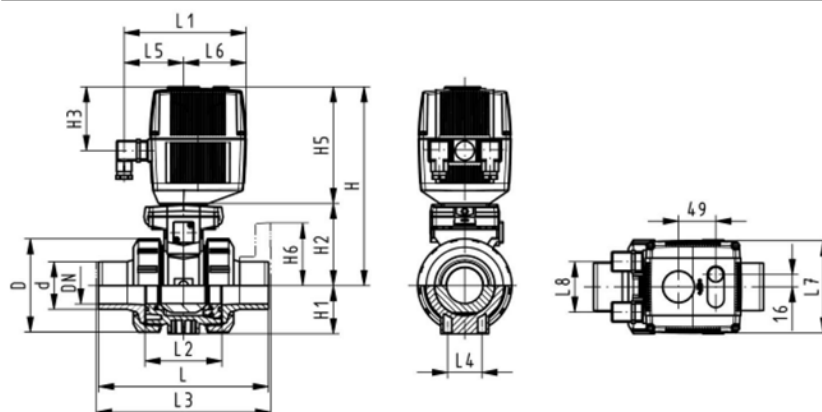
Option:

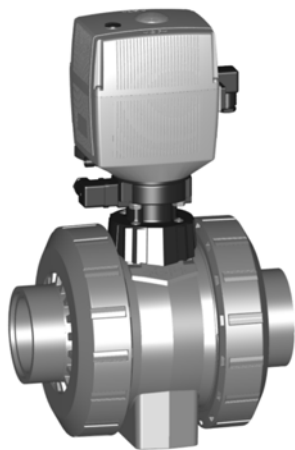
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg
20	15	½	10	185	199 131 103	199 131 113	2.300
25	20	¾	10	350	199 131 104	199 131 114	2.500
32	25	1	10	700	199 131 105	199 131 115	2.700
40	32	1 ¼	10	1000	199 131 106	199 131 116	3.200
50	40	1 ½	10	1600	199 131 107	199 131 117	3.700
63	50	2	10	3100	199 131 108	199 131 118	4.800

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	231	27	64	94	167	48	120	180	56	130	25	97	83	122
25	58	240	30	73	94	167	53	140	180	65	150	25	97	83	122
32	68	240	36	73	94	167	58	150	180	71	160	25	97	83	122
40	84	251	44	84	94	167	70	170	180	85	180	45	97	83	122
50	97	251	51	84	94	167	75	190	180	89	200	45	97	83	122
63	124	273	64	106	94	167	165	220	180	101	230	45	97	83	122

d [mm]	L8 [mm]
20	66
25	66
32	66
40	66
50	66
63	66





Ball valve type 131 PP-H 100-230V

With manual emergency override

With butt fusion spigots SDR11 metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

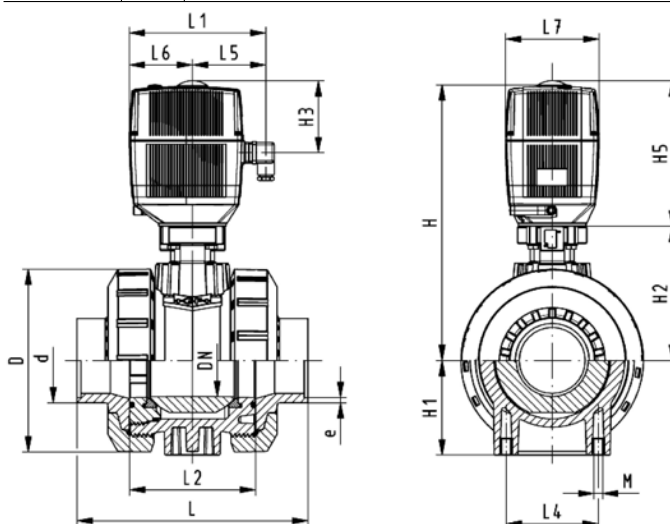
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 75	65	10	5000	199 131 329	199 131 339	3.600								
 90	80	10	7000	199 131 330	199 131 340	4.400								
 110	100	10	11000	199 131 331	199 131 341	5.500								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
 75	166	346	85	156	94	190	266	180	136	290	70	98	83	122
 90	200	358	105	168	94	190	264	180	141	310	70	98	83	122
 110	238	365	123	175	94	190	301	180	164	350	120	98	83	122

d [mm]	e [mm]
 75	8.2
 90	9.9
 110	12.0





Ball valve type 131 PP-H 24V

With manual emergency override

With butt fusion spigots SDR11 metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

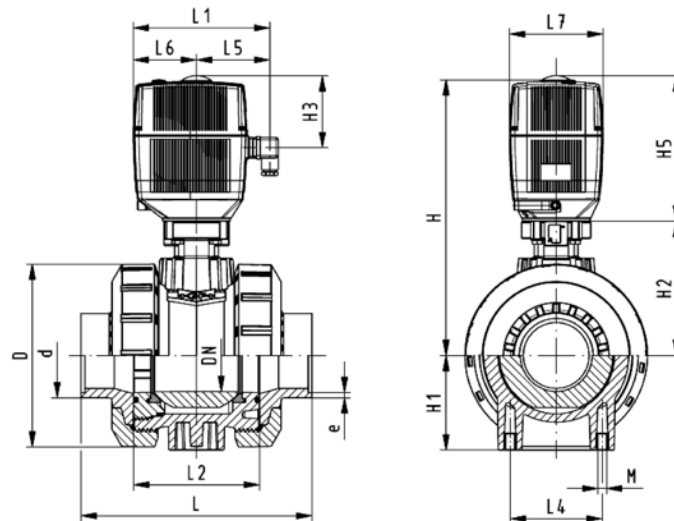
Option:

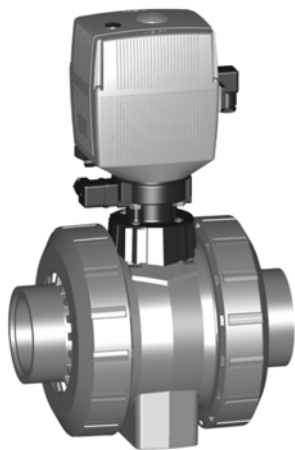
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	199 131 369	199 131 379	3.600	
 90	80	10	7000	199 131 370	199 131 380	4.400	
 110	100	10	11000	199 131 371	199 131 381	5.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
 75	166	346	85	156	94	190	266	180	136	290	70	98	83	122	
 90	200	358	105	168	94	190	264	180	141	310	70	98	83	122	
 110	238	365	123	175	94	190	301	180	164	350	120	98	83	122	

d [mm]	e [mm]	
 75	8.2	
 90	9.9	
 110	12.0	





Ball valve type 131 PP-H 100-230V

With manual emergency override

With butt fusion spigots SDR17.6 metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

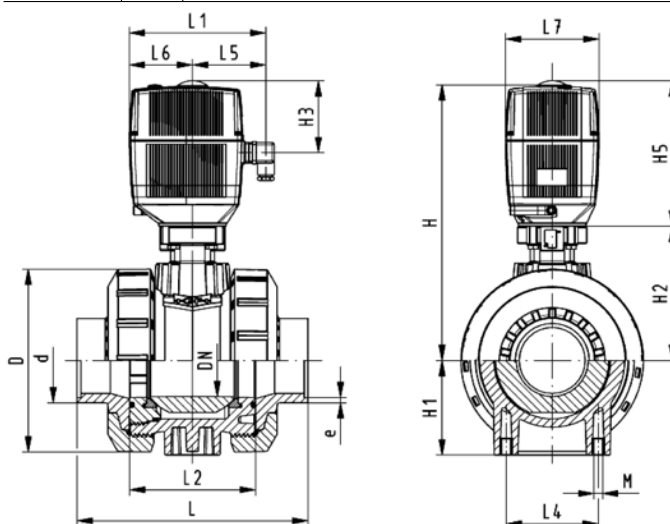
Option:

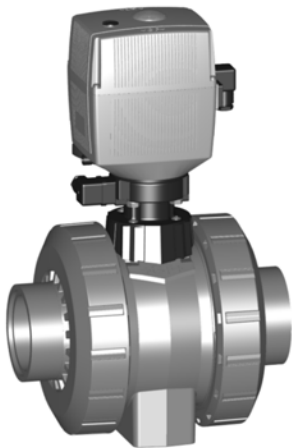
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 75	65	10	5000	199 131 729	199 131 739	3.600								
 90	80	10	7000	199 131 730	199 131 740	4.400								
 110	100	10	11000	199 131 731	199 131 741	5.500								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
 75	166	346	85	156	94	190	266	180	136	290	70	98	83	122
 90	200	358	105	168	94	190	264	180	141	310	70	98	83	122
 110	238	365	123	175	94	190	301	180	164	350	120	98	83	122

d [mm]	e [mm]
 75	4.6
 90	5.5
 110	6.7





Ball valve type 131 PP-H 24V

With manual emergency override

With butt fusion spigots SDR17.6 metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

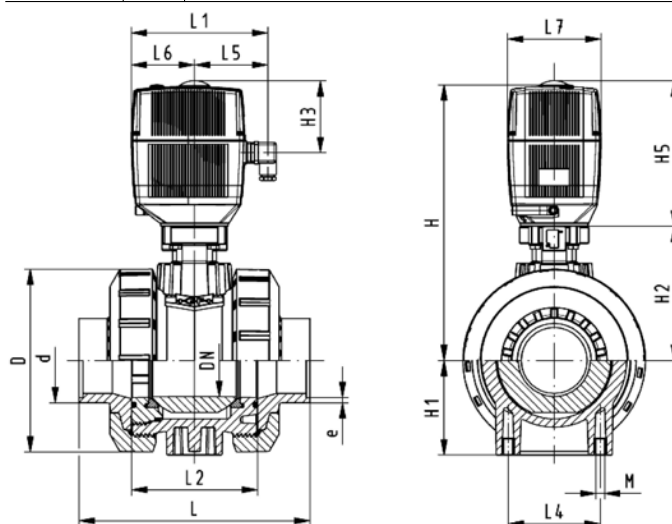
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	199 131 769	199 131 779	3.600	
 90	80	10	7000	199 131 770	199 131 780	4.400	
 110	100	10	11000	199 131 771	199 131 781	5.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
 75	166	346	85	156	94	190	266	180	136	290	70	98	83	122	
 90	200	358	105	168	94	190	264	180	141	310	70	98	83	122	
 110	238	365	123	175	94	190	301	180	164	350	120	98	83	122	

d [mm]	e [mm]	
 75	4.6	
 90	5.5	
 110	6.7	





Ball valve type 131 PP-H 100-230V With manual emergency override With backing flanges PP-st metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005, EN 1092, BS 4504, DIN 2501; bolt circle PN 10

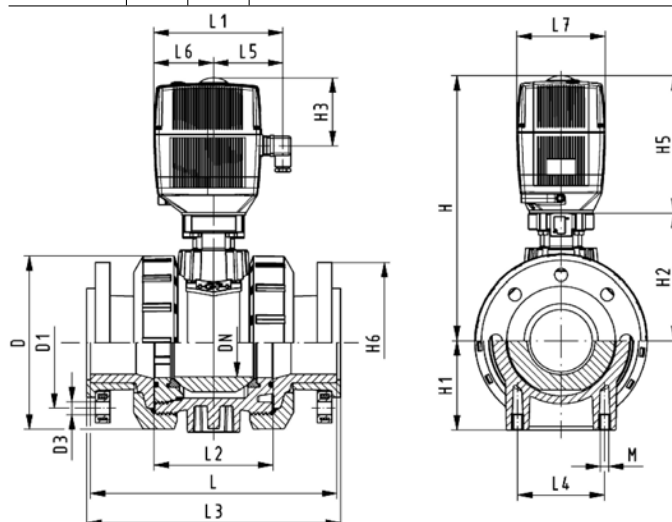
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 75	65	2 1/2	10	5000	199 131 129	199 131 139	7.900								
 90	80	3	10	7000	199 131 130	199 131 140	9.600								
 110	100	4	10	11000	199 131 131	199 131 141	12.700								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
 75	166	346	85	156	94	190	93	280	180	136	290	70	98	83	
 90	200	358	105	168	94	190	100	296	180	141	310	70	98	83	
 110	238	365	123	175	94	190	110	336	180	164	350	120	98	83	

d [mm]	L7 [mm]	L8 [mm]	
 75	122	66	
 90	122	66	
 110	122	66	





Ball valve type 131 PP-H 24V

With manual emergency override

With backing flanges PP-st metric

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005, EN 1092, BS 4504, DIN 2501; bolt circle PN 10

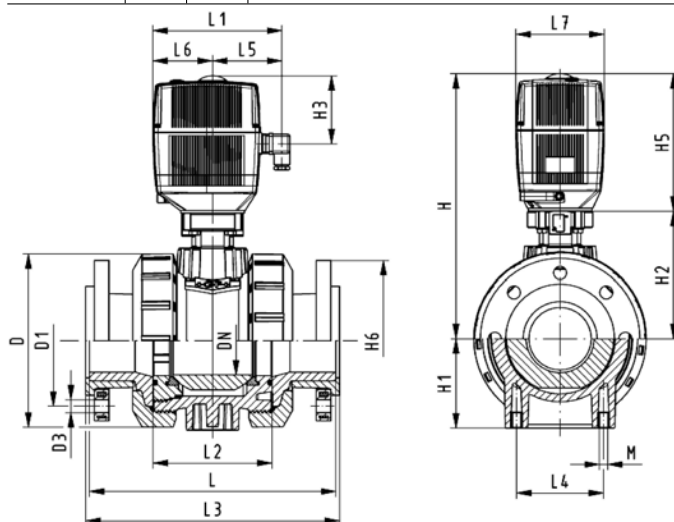
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
75	65	2 1/2	10	5000	199 131 149	199 131 159	7.900								
90	80	3	10	7000	199 131 150	199 131 160	9.600								
110	100	4	10	11000	199 131 151	199 131 161	12.700								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
75	166	346	85	156	94	190	93	280	180	136	290	70	98	83	
90	200	358	105	168	94	190	100	296	180	141	310	70	98	83	
110	238	365	123	175	94	190	110	336	180	164	350	120	98	83	

d [mm]	L7 [mm]	L8 [mm]	
75	122	66	
90	122	66	
110	122	66	





Ball valve type 131 PP-H 100-230V With manual emergency override With backing flanges PP-st ASTM

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Control time 5 s/90°<)
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<)
- Control time: EA21: 5s/90°<), EA31: 15s/90°<)
- Overall length according to EN 558-1
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

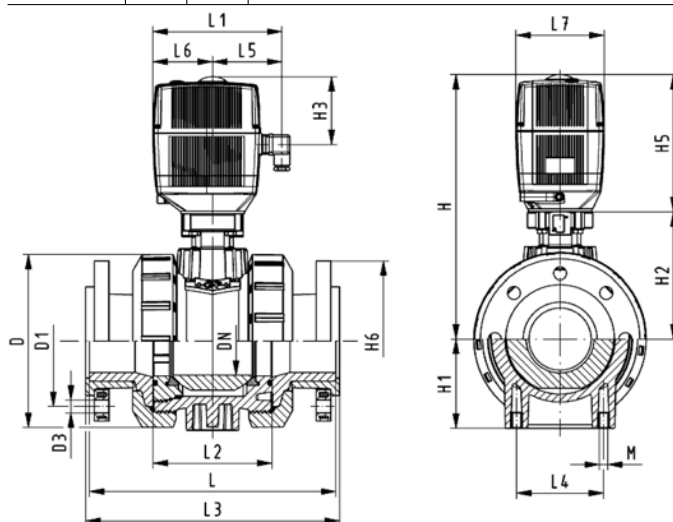
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 75	65	2 1/2	10	5000	199 131 529	199 131 539	7.900								
 90	80	3	10	7000	199 131 530	199 131 540	9.600								
 110	100	4	10	11000	199 131 531	199 131 541	12.700								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
 75	166	346	85	156	94	190	93	280	180	136	290	70	98	83	
 90	200	358	105	168	94	190	100	296	180	141	310	70	98	83	
 110	238	365	123	175	94	190	110	336	180	164	350	120	98	83	

d [mm]	L7 [mm]	L8 [mm]	
 75	122	66	
 90	122	66	
 110	122	66	





Ball valve type 131 PP-H 24V

With manual emergency override

With backing flanges PP-st ASTM

Model:

- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<
- Overall length according to EN 558-1
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

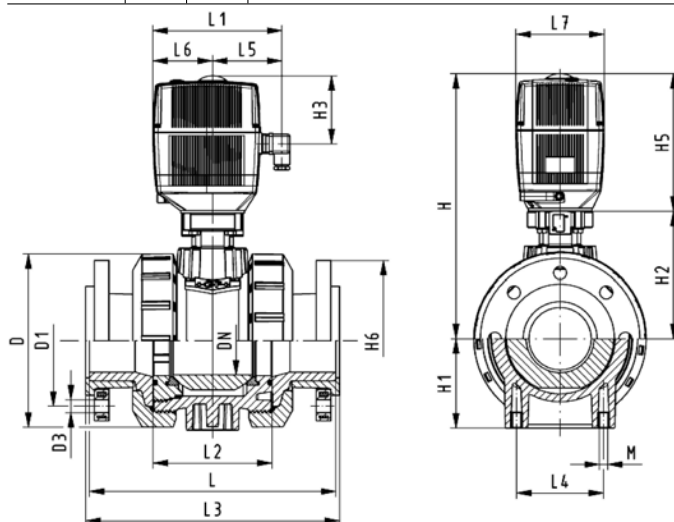
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
75	65	2 1/2	10	5000	199 131 549	199 131 559	7.900								
90	80	3	10	7000	199 131 550	199 131 560	9.600								
110	100	4	10	11000	199 131 551	199 131 561	12.700								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
75	166	346	85	156	94	190	93	280	180	136	290	70	98	83	
90	200	358	105	168	94	190	100	296	180	141	310	70	98	83	
110	238	365	123	175	94	190	110	336	180	164	350	120	98	83	

d [mm]	L7 [mm]	L8 [mm]	
75	122	66	
90	122	66	
110	122	66	



Copiable

Configurator GF ball valve type 546 PP-H

Ball Valve

A01 Ball Valve 546
A02 Linear Ball Valve

Material
B05 PP-H

Dimension

C05 d 16 DN 10 3/8"
C06 d 20 DN 15 1/2"
C07 d 25 DN 20 3/4"
C08 d 32 DN 25 1"
C09 d 40 DN 32 1 1/4"
C10 d 50 DN 40 1 1/2"
C11 d 63 DN 50 2"
C12 d 75 DN 65 2 1/2"
C13 d 90 DN 80 3"
C14 d 110 DN 100 4"
C15 d 160 DN 150 6"

Version

D01 Standard, PTFE ball seal
D02 oilfree, PTFE ball seal (only with specific connecting parts)
D03 silicon-free, PTFE ball seal (only with specific connecting parts)
D04 silicon-free, PVDF ball seal for metric (only with specific connecting parts)

Seals

E01 EPDM seals
E02 FPM seals
E03 FFPM (KALREZ®) seals

Threaded inserts

F01 without threaded inserts
F02 with threaded inserts

Connecting parts

G30 PP-H Fusion socket metric
G32 PP-H Socket fusion spigot metric
G33 PP-H Threaded socket Rp reinforced
G34 PP-H Threaded socket NPT reinforced
G35 PP-H Butt fusion spigot SDR 11 metric IR-PLUS®
G36 PP-H Butt fusion spigot SDR 17.6 metric with this valve end the maximum nominal pressure is reduced to PN 6
G37 PP-H Butt fusion spigot long SDR11 metric
G83 PP-H Valve end blank
G44 PE-100 Butt fusion spigot long SDR17.6 metric (DN65-100)
G63 Fixed flange PP-H serrated metric (DN10-50)
G72 Backing flange PP-steel metric
G73 Backing flange PP-steel inch ANSI
G77 Backing flange PP JIS with connecting parts
G78 Backing flange PP-GF JIS
G40 PE-100 Fusion socket metric
G41 PE-100 Butt fusion spigot SDR11 metric
G42 PE-100 Butt fusion spigot SDR17.6 metric
G43 PE-100 Butt fusion spigot long SDR11 metric

Multi-functional module

I01 No multi-functional module
I02 Empty module
I03 Module with 2 end switches Ag, Ni
I04 Module with 2 end switches Au
I05 Module with 2 inductive switches Namur
I06 Module with 2 inductive switches PNP
I07 Module with 2 inductive switches NPN

Lever

K01 Standard lever red
K02 Standard lever black
K11 Multi-functional lever red

Mounting plate

L01 without mounting plate
L02 with mounting plate

A01

B05

C

D

E

F

G

G

I

K

L

left

right

You will find a large selection of different versions in our range of products. New system elements also provide you with new opportunities for use. In order for us to supply exactly the ball valve you need for your application, we have created a selection menu for you. (The maximum nominal pressure for the ball valve is PN10).

We supply what you put together.

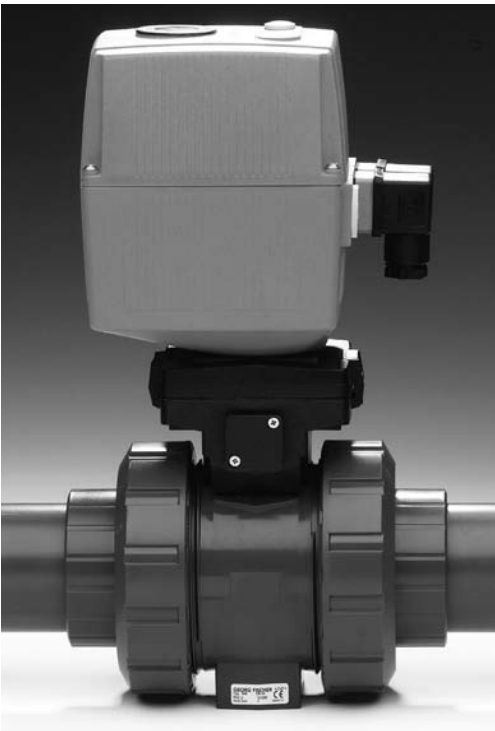
Copiable

GF ball valve type 546 with electric Actuator

It's easy to actuate the type 546:

With the configurator, you have a choice of new electric actuators, the EA11 for standard applications and the EA21 with modular design and accessories, for practically and type of operation.

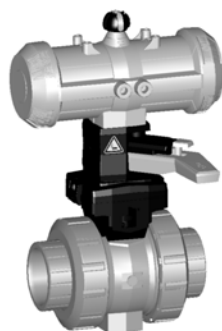
We supply what you put together.



Electric Actuator EA11								
T01 EA11 24 V								
T02 EA11 100–230 V								
Accessories EA11								
U01 No accessories								
U02 2 limit switches Ag, Ni								
U03 Heating element								
U04 Fail-safe return								
U05 2 limit switches Ag, Ni normally open								
Electric Actuator EA21/31								
T03 EA21/31 24 V								
T04 EA21/31 100–230 V								
Accessories EA21								
W01 No accessories								
W02 Heating element								
W03 Cycle time module								
W04 Cycle time monitoring								
W05 Cycles monitoring								
W06 Motor current monitoring								
W07 2 limit switches Ag, Ni								
W08 2 limit switches Gold								
W09 2 limit switches NPN								
W10 2 limit switches PNP								
W11 Positioner								
W12 Electric position indicator								
W14 Fail-safe return unit								
W15 Switch intermediate position								
W27 2 limit switches Ag, Ni normally open with connector								
W31 Positioner PE25 with galv. separation								
T	U	T	W	W	W	W	W	W

Ball valves pneumatic

Ball valve type 231 PP-H FC (Fail safe to close) With manual override With fusion sockets metric



DN10/15 - 50

Model:

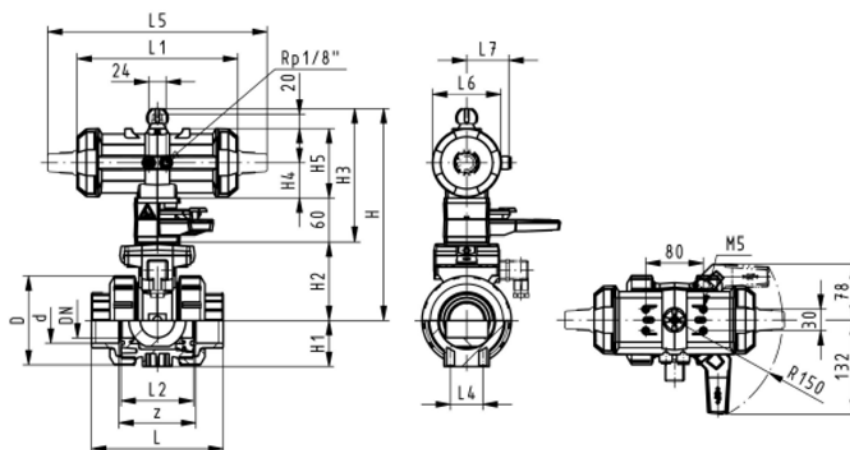
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

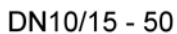
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 002	199 231 012	1.500	
20	15	10	185	199 231 003	199 231 013	1.500	
25	20	10	350	199 231 004	199 231 014	1.600	
32	25	10	700	199 231 005	199 231 015	1.700	
40	32	10	1000	199 231 006	199 231 016	2.800	
50	40	10	1600	199 231 007	199 231 017	3.100	
63	50	10	3100	199 231 008	199 231 018	4.000	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]
16	50	230	27	62	168	40	97	93	194	56	25	261	76	48	67
20	50	230	27	62	168	40	97	95	194	56	25	261	76	48	66
25	58	239	30	71	168	40	97	108	194	65	25	261	76	48	77
32	68	239	36	71	168	40	97	118	194	71	25	261	76	48	83
40	84	271	44	84	187	51	115	137	224	85	45	305	95	59	99
50	97	271	51	84	187	51	115	147	224	89	45	305	95	59	105
63	124	293	64	106	187	51	115	168	224	101	45	305	95	59	117



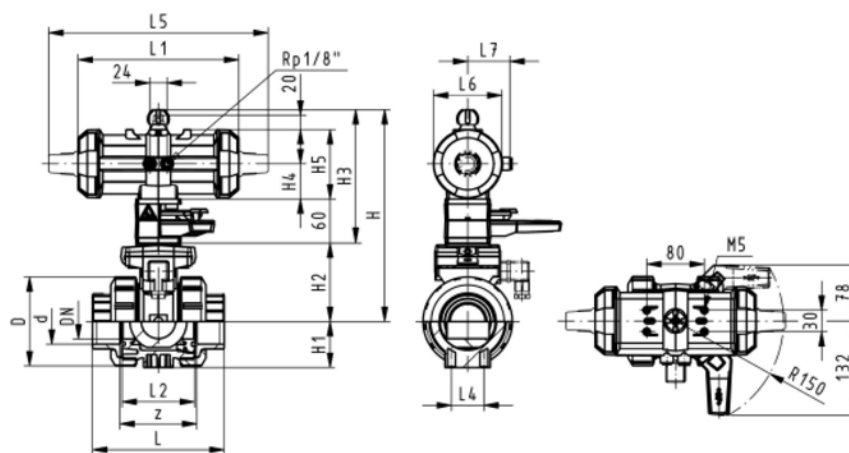


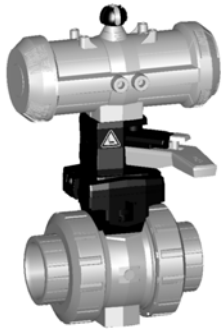
Model:

- Built on with pneumatic actuator PA11/21
- Control time $90^\circ <$) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

- Individual configuration of the valve (see form)

d	D	H	H1	H2	H3	H4	H5	L	L1	L2	L4	L5	L6	L7	z
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
16	50	230	27	62	168	40	97	93	194	56	25	261	76	48	67
20	50	230	27	62	168	40	97	95	194	56	25	261	76	48	66
25	58	239	30	71	168	40	97	108	194	65	25	261	76	48	77
32	68	239	36	71	168	40	97	118	194	71	25	261	76	48	83
40	84	271	44	84	187	51	115	137	224	85	45	305	95	59	99
50	97	271	51	84	187	51	115	147	224	89	45	305	95	59	105
63	124	293	64	106	187	51	115	168	224	101	45	305	95	59	117





DN10/15 - 50

Ball valve type 231 PP-H DA (Double acting) With manual override With fusion sockets metric

Model:

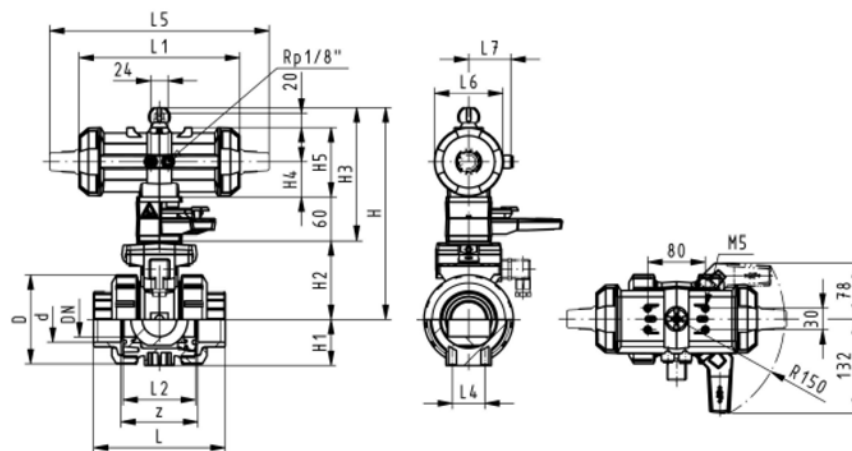
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

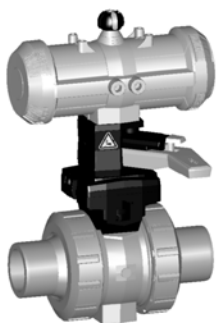
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 082	199 231 092	1.500	
20	15	10	185	199 231 083	199 231 093	1.500	
25	20	10	350	199 231 084	199 231 094	1.600	
32	25	10	700	199 231 085	199 231 095	1.700	
40	32	10	1000	199 231 086	199 231 096	2.800	
50	40	10	1600	199 231 087	199 231 097	3.100	
63	50	10	3100	199 231 088	199 231 098	4.000	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]
16	50	230	27	62	168	40	97	93	194	56	25	261	76	48	67
20	50	230	27	62	168	40	97	95	194	56	25	261	76	48	66
25	58	239	30	71	168	40	97	108	194	65	25	261	76	48	77
32	68	239	36	71	168	40	97	118	194	71	25	261	76	48	83
40	84	271	44	84	187	51	115	137	224	85	45	305	95	59	99
50	97	271	51	84	187	51	115	147	224	89	45	305	95	59	105
63	124	293	64	106	187	51	115	168	224	101	45	305	95	59	117





DN10/15 - 50

Ball valve type 231 PP-H FC (Fail safe to close) With manual override With fusion spigots metric

Model:

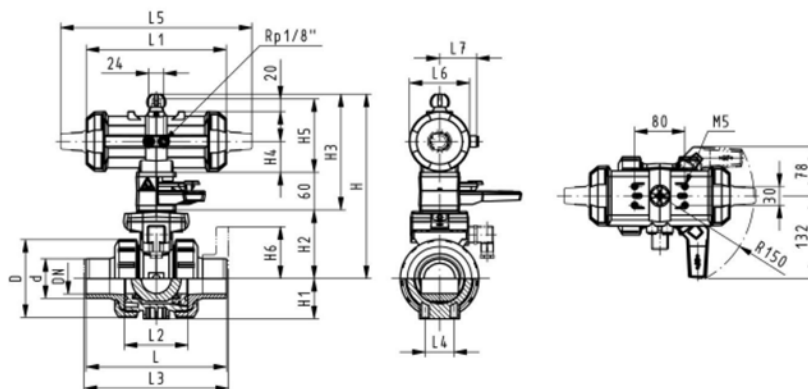
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

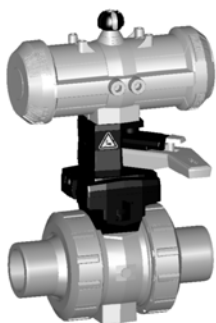
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
16	10	10	70	199 231 022	199 231 032	1.500
20	15	10	185	199 231 023	199 231 033	1.500
25	20	10	350	199 231 024	199 231 034	1.600
32	25	10	700	199 231 025	199 231 035	1.700
40	32	10	1000	199 231 026	199 231 036	2.800
50	40	10	1600	199 231 027	199 231 037	3.100
63	50	10	3100	199 231 028	199 231 038	4.000

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
16	50	230	27	62	168	40	97	110	194	56		25	261	76	48
20	50	230	27	62	168	40	97	120	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	139	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	150	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	170	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	190	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	220	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 231 PP-H FO (Fail safe to open) With manual override With fusion spigots metric

Model:

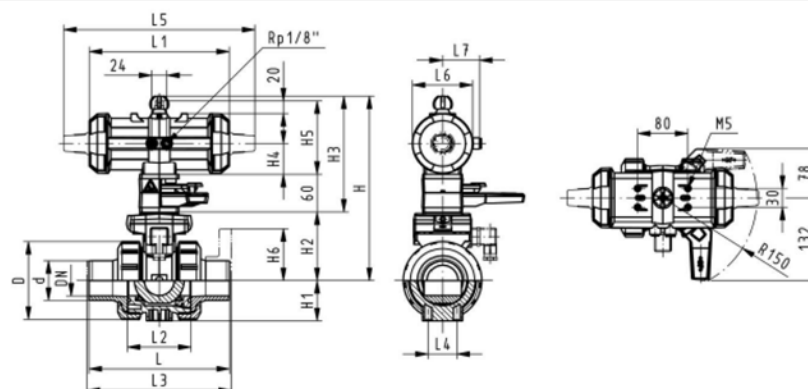
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

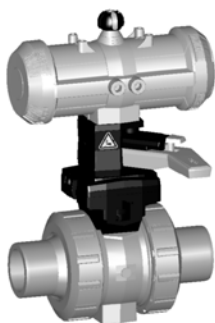
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 062	199 231 072	1.500	
20	15	10	185	199 231 063	199 231 073	1.500	
25	20	10	350	199 231 064	199 231 074	1.600	
32	25	10	700	199 231 065	199 231 075	1.700	
40	32	10	1000	199 231 066	199 231 076	2.800	
50	40	10	1600	199 231 067	199 231 077	3.100	
63	50	10	3100	199 231 068	199 231 078	4.000	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
16	50	230	27	62	168	40	97	110	194	56	130	25	261	76	48
20	50	230	27	62	168	40	97	120	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	139	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	150	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	170	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	190	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	220	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 231 PP-H DA (Double acting)

With manual override

With fusion spigots metric

Model:

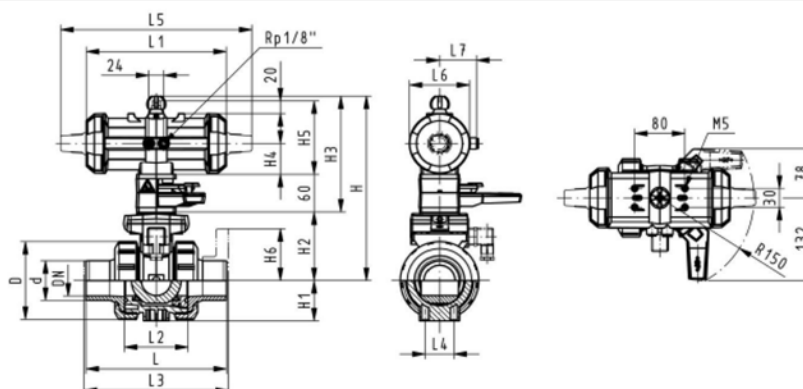
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

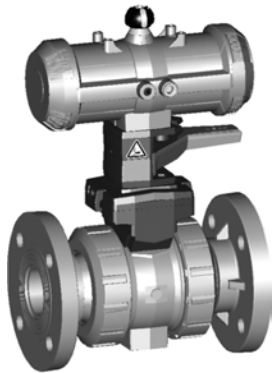
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
16	10	10	70	199 231 102	199 231 112	1.500
20	15	10	185	199 231 103	199 231 113	1.500
25	20	10	350	199 231 104	199 231 114	1.600
32	25	10	700	199 231 105	199 231 115	1.700
40	32	10	1000	199 231 106	199 231 116	2.800
50	40	10	1600	199 231 107	199 231 117	3.100
63	50	10	3100	199 231 108	199 231 118	4.000

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
16	50	230	27	62	168	40	97	110	194	56		25	261	76	48
20	50	230	27	62	168	40	97	120	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	139	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	150	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	170	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	190	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	220	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 231 PP-H FC (Fail safe to close) With manual override With fixed flanges PP-H serrated metric

Model:

- Built on with pneumatic actuator PA11/21
- Control time $90^\circ <$ 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

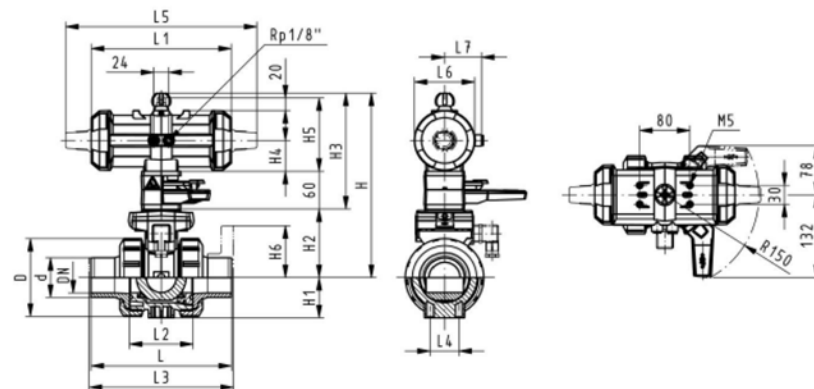
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	1/2	10	185	199 231 243	199 231 253	1.700
25	20	3/4	10	350	199 231 244	199 231 254	1.900
32	25	1	10	700	199 231 245	199 231 255	2.100
40	32	1 1/4	10	1000	199 231 246	199 231 256	3.400
50	40	1 1/2	10	1600	199 231 247	199 231 257	3.900
63	50	2	10	3100	199 231 248	199 231 258	4.900

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]
20	50	230	27	62	168	40	97	48	120	194	56	130	25	261	76
25	58	239	30	71	168	40	97	53	139	194	65	150	25	261	76
32	68	239	36	71	168	40	97	58	150	194	71	160	25	261	76
40	84	271	44	84	187	51	115	70	170	224	85	180	45	305	95
50	97	271	51	84	187	51	115	75	190	224	89	200	45	305	95
63	124	293	64	106	187	51	115	83	220	224	101	230	45	305	95

d [mm]	L7 [mm]
20	48
25	48
32	48
40	59
50	59
63	59





DN10/15 - 50

Ball valve type 231 PP-H FO (Fail safe to open) With manual override With fixed flanges PP-H serrated metric

Model:

- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

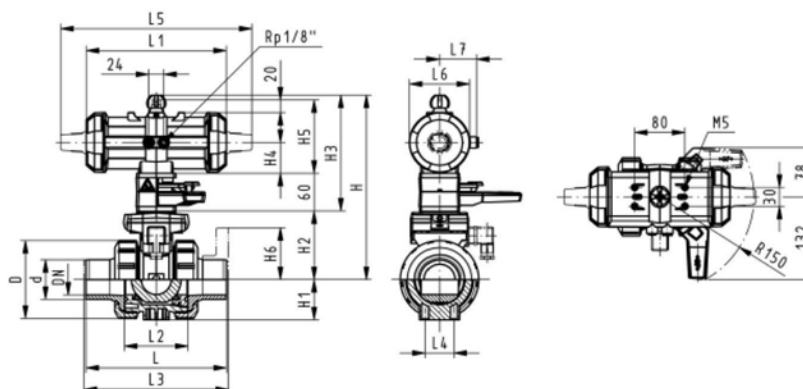
Option:

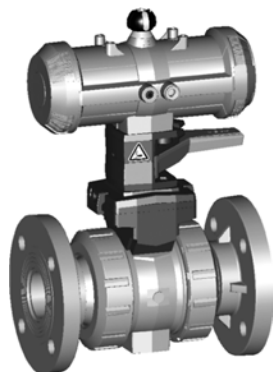
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	½	10	185	199 231 263	199 231 273	1.700
25	20	¾	10	350	199 231 264	199 231 274	1.900
32	25	1	10	700	199 231 265	199 231 275	2.100
40	32	1 ¼	10	1000	199 231 266	199 231 276	3.400
50	40	1 ½	10	1600	199 231 267	199 231 277	3.900
63	50	2	10	3100	199 231 268	199 231 278	4.900

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]
20	58	230	27	62	168	40	97	48	120	194	56	130	25	261	76
25	58	239	30	71	168	40	97	53	139	194	65	150	25	261	76
32	68	239	36	71	168	40	97	58	150	194	71	160	25	261	76
40	84	271	44	84	187	51	115	70	170	224	85	180	45	305	95
50	97	271	51	84	187	51	115	75	190	224	89	200	45	305	95
63	124	293	64	106	187	51	115	83	220	224	101	230	45	305	95

d [mm]	L7 [mm]
20	48
25	48
32	48
40	59
50	59
63	59





DN10/15 - 50

Ball valve type 231 PP-H DA (Double acting) With manual override With fixed flanges PP-H serrated metric

Model:

- Built on with pneumatic actuator PA11/21
- Control time $90^\circ <$ 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

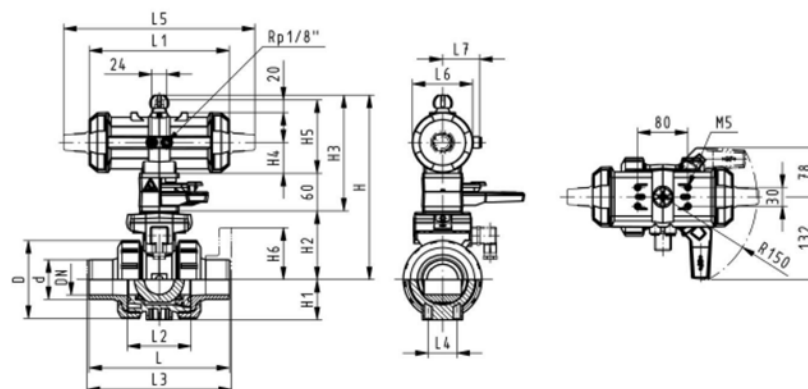
Option:

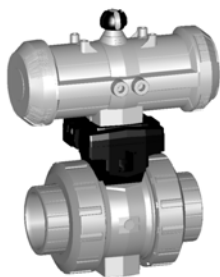
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	½	10	185	199 231 283	199 231 293	1.700	
25	20	¾	10	350	199 231 284	199 231 294	1.900	
32	25	1	10	700	199 231 285	199 231 295	2.100	
40	32	1 ¼	10	1000	199 231 286	199 231 296	3.400	
50	40	1 ½	10	1600	199 231 287	199 231 297	3.900	
63	50	2	10	3100	199 231 288	199 231 298	4.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]
20	50	230	27	62	168	40	97	48	120	194	56	130	25	261	76
25	58	239	30	71	168	40	97	53	139	194	65	150	25	261	76
32	68	239	36	71	168	40	97	58	150	194	71	160	25	261	76
40	84	271	44	84	187	51	115	70	170	224	85	180	45	305	95
50	97	271	51	84	187	51	115	75	190	224	89	200	45	305	95
63	124	293	64	106	187	51	115	83	220	224	101	230	45	305	95

d [mm]	L7 [mm]
20	48
25	48
32	48
40	59
50	59
63	59





DN10/15 - 50

Ball valve type 231 PP-H FC (Fail safe to close) Without manual override With fusion sockets metric

Model:

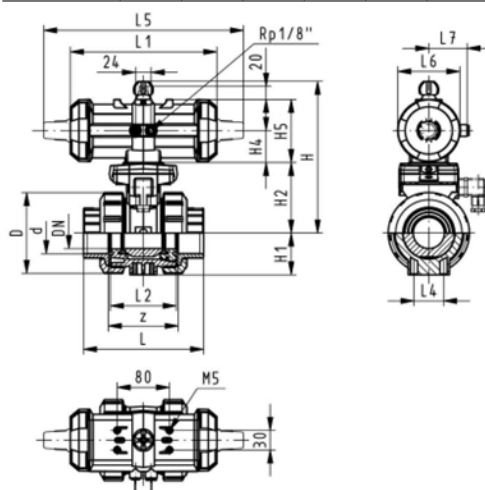
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

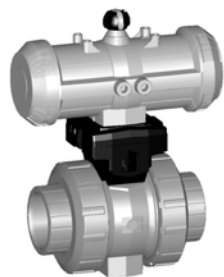
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 122	199 231 132	1.200	
20	15	10	185	199 231 123	199 231 133	1.200	
25	20	10	350	199 231 124	199 231 134	1.300	
32	25	10	700	199 231 125	199 231 135	1.400	
40	32	10	1000	199 231 126	199 231 136	2.500	
50	40	10	1600	199 231 127	199 231 137	2.800	
63	50	10	3100	199 231 128	199 231 138	3.700	
 75	65	10	5000	199 231 129	199 231 139	4.000	
 90	80	10	7000	199 231 130	199 231 140	4.700	
 110	100	10	11000	199 231 131	199 231 141	6.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]	
16	50	167	27	62	40	97	93	194	56	25	261	76	48	67	
20	50	167	27	62	40	97	95	194	56	25	261	76	48	66	
25	58	176	30	71	40	97	108	194	65	25	261	76	48	77	
32	68	176	36	71	40	97	118	194	71	25	261	76	48	83	
40	84	210	44	84	51	115	137	224	85	45	305	95	59	99	
50	97	210	51	84	51	115	147	224	89	45	305	95	59	105	
63	124	232	64	106	51	115	168	224	101	45	305	95	59	117	
 75	166	262	85	156		70	233	218	136	70	276	65		167	
 90	200	281	105	168		78	254	259	141	70	341	72		180	
 110	238	292	123	175		86	301	287	164	120	369	80		215	





DN10/15 - 50

Ball valve type 231 PP-H FO (Fail safe to open) Without manual override With fusion sockets metric

Model:

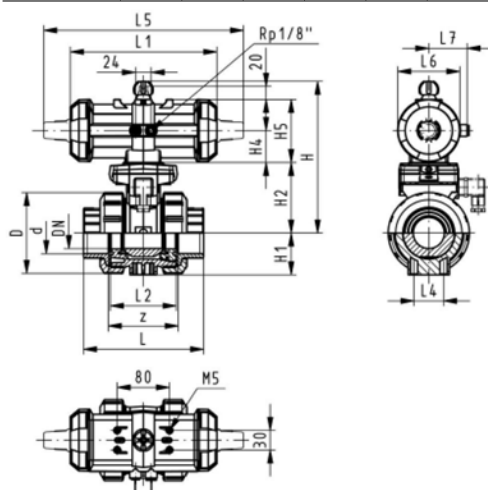
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s

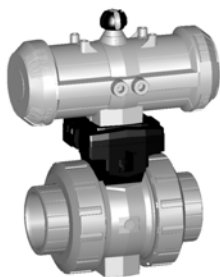
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 162	199 231 172	1.200	
20	15	10	185	199 231 163	199 231 173	1.200	
25	20	10	350	199 231 164	199 231 174	1.300	
32	25	10	700	199 231 165	199 231 175	1.400	
40	32	10	1000	199 231 166	199 231 176	2.500	
50	40	10	1600	199 231 167	199 231 177	2.800	
63	50	10	3100	199 231 168	199 231 178	3.700	
75	65	10	5000	199 231 169	199 231 179	4.000	
90	80	10	7000	199 231 170	199 231 180	4.700	
110	100	10	11000	199 231 171	199 231 181	6.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]
16	50	167	27	62	40	97	93	194	56	25	261	76	48	66
20	50	167	27	62	40	97	95	194	56	25	261	76	48	67
25	58	176	30	71	40	97	108	194	65	25	261	76	48	77
32	68	176	36	71	40	97	118	194	71	25	261	76	48	83
40	84	210	44	84	51	115	137	224	85	45	305	95	59	99
50	97	210	51	84	51	115	147	224	89	45	305	95	59	105
63	124	232	64	106	51	115	168	224	101	45	305	95	59	117
75	166	262	85	156		70	233	218	136	70	276	65		167
90	200	281	105	168		78	254	259	141	70	341	72		180
110	238	292	123	175		86	301	287	164	120	369	80		215





DN10/15 - 50

Ball valve type 231 PP-H DA (Double acting) Without manual override With fusion sockets metric

Model:

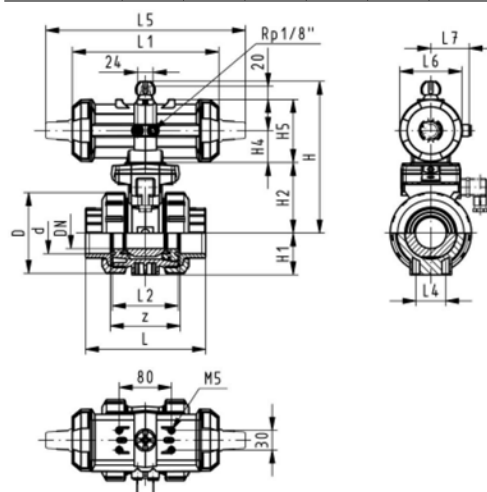
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

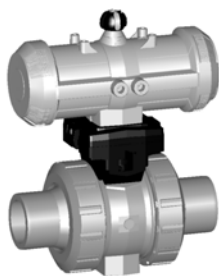
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 202	199 231 212	1.200	
20	15	10	185	199 231 203	199 231 213	1.200	
25	20	10	350	199 231 204	199 231 214	1.300	
32	25	10	700	199 231 205	199 231 215	1.400	
40	32	10	1000	199 231 206	199 231 216	2.500	
50	40	10	1600	199 231 207	199 231 217	2.800	
63	50	10	3100	199 231 208	199 231 218	3.700	
 75	65	10	5000	199 231 209	199 231 219	2.800	
 90	80	10	7000	199 231 210	199 231 220	4.000	
 110	100	10	11000	199 231 211	199 231 221	5.100	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]	
16	50	167	27	62	40	97	93	194	56	25	261	76	48	66	
20	50	167	27	62	40	97	95	194	56	25	261	76	48	67	
25	58	176	30	71	40	97	108	194	65	25	261	76	48	77	
32	68	176	36	71	40	97	118	194	71	25	261	76	48	83	
40	84	210	44	84	51	115	137	224	85	45	305	95	59	99	
50	97	210	51	84	51	115	147	224	89	45	305	95	59	105	
63	124	232	64	106	51	115	168	224	101	45	305	95	59	117	
 75	166	257	85	156		66	233	144	136	70	190	60		167	
 90	200	274	105	168		70	254	152	141	70	198	65		180	
 110	238	273	123	175		78	301	169	164	120	235	72		215	





DN10/15 - 50

Ball valve type 231 PP-H FC (Fail safe to close) Without manual override With socket fusion spigots metric

Model:

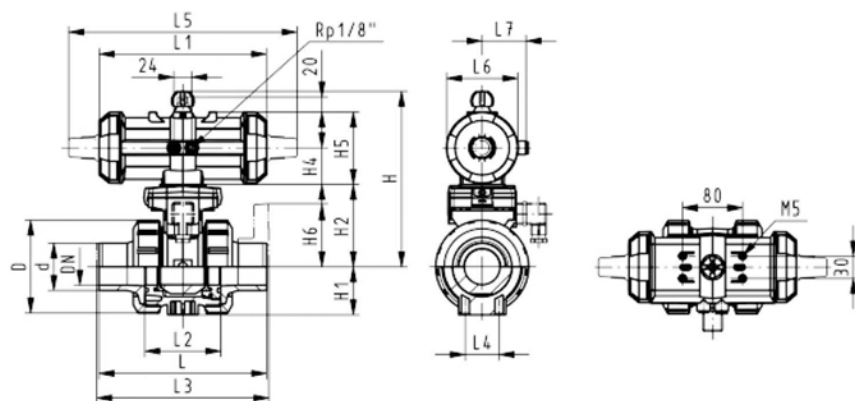
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s

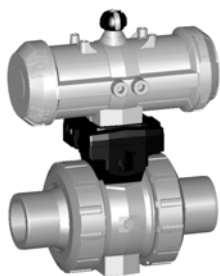
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 142	199 231 152	1.200	
20	15	10	185	199 231 143	199 231 153	1.200	
25	20	10	350	199 231 144	199 231 154	1.300	
32	25	10	700	199 231 145	199 231 155	1.400	
40	32	10	1000	199 231 146	199 231 156	2.500	
50	40	10	1600	199 231 147	199 231 157	2.800	
63	50	10	3100	199 231 148	199 231 158	3.700	
 75	65	10	5000	199 231 149	199 231 159	4.000	
 90	80	10	7000	199 231 150	199 231 160	4.800	
 110	100	10	11000	199 231 151	199 231 161	6.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
16	50	167	27	62	40	97	110	194	56	130	25	261	76	48	
20	50	167	27	62	40	97	120	194	56	130	25	261	76	48	
25	58	176	30	71	40	97	139	194	65	150	25	261	76	48	
32	68	176	36	71	40	97	150	194	71	160	25	261	76	48	
40	84	210	44	84	51	115	170	224	85	180	45	305	95	59	
50	97	210	51	84	51	115	190	224	89	200	45	305	95	59	
63	124	232	64	106	51	115	220	224	101	230	45	305	95	59	
 75	166	262	85	156		70	280	218	136	290	70	276	65		
 90	200	281	105	168		78	296	259	141	310	70	341	72		
 110	238	292	123	175		86	336	287	164	350	120	369	80		





DN10/15 - 50

Ball valve type 231 PP-H FO (Fail safe to open) Without manual override With socket fusion spigots metric

Model:

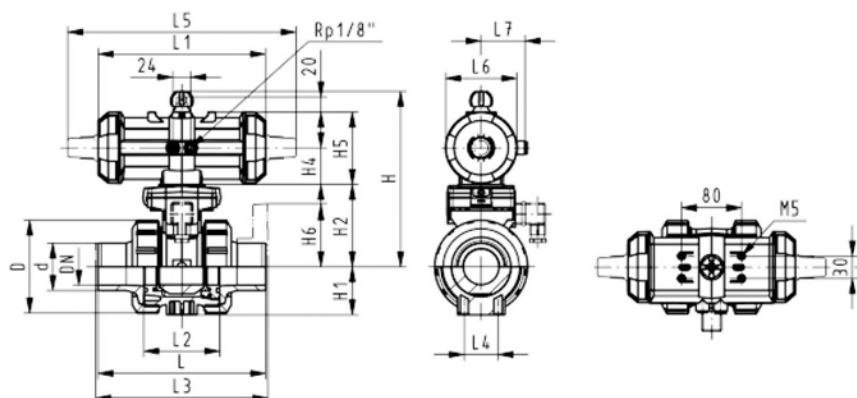
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s

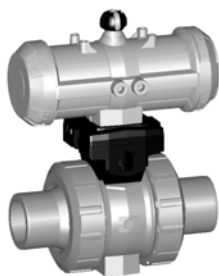
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 182	199 231 192	1.200	
20	15	10	185	199 231 183	199 231 193	1.200	
25	20	10	350	199 231 184	199 231 194	1.300	
32	25	10	700	199 231 185	199 231 195	1.400	
40	32	10	1000	199 231 186	199 231 196	2.500	
50	40	10	1600	199 231 187	199 231 197	2.800	
63	50	10	3100	199 231 188	199 231 198	3.700	
 75	65	10	5000	199 231 189	199 231 199	4.000	
 90	80	10	7000	199 231 190	199 231 200	4.800	
 110	100	10	11000	199 231 191	199 231 201	6.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
16	50	167	27	62	40	97	110	194	56	130	25	261	76	48	
20	50	167	27	62	40	97	120	194	56	130	25	261	76	48	
25	58	176	30	71	40	97	139	194	65	150	25	261	76	48	
32	68	176	36	71	40	97	150	194	71	160	25	261	76	48	
40	84	210	44	84	51	115	170	224	85	180	45	305	95	59	
50	97	210	51	84	51	115	190	224	89	200	45	305	95	59	
63	124	232	64	106	51	115	220	224	101	230	45	305	95	59	
 75	166	262	85	156		70	280	218	136	290	70	276	65		
 90	200	281	105	168		78	296	259	141	310	70	341	72		
 110	238	292	123	175		86	336	287	164	350	120	369	80		





DN10/15 - 50

Ball valve type 231 PP-H DA (Double acting) Without manual override With socket fusion spigots metric

Model:

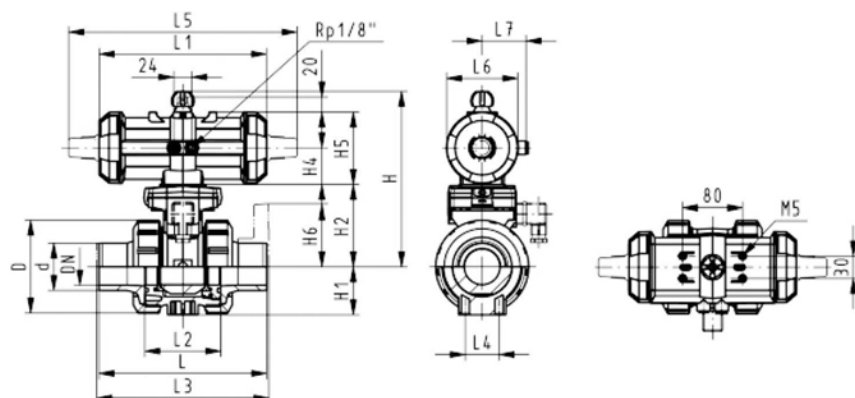
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s

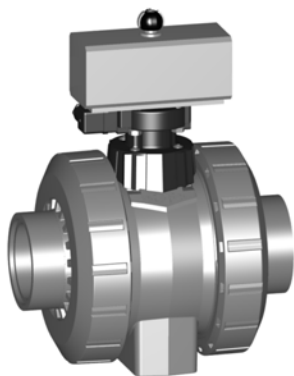
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	10	70	199 231 222	199 231 232	1.200	
20	15	10	185	199 231 223	199 231 233	1.200	
25	20	10	350	199 231 224	199 231 234	1.300	
32	25	10	700	199 231 225	199 231 235	1.400	
40	32	10	1000	199 231 226	199 231 236	2.500	
50	40	10	1600	199 231 227	199 231 237	2.800	
63	50	10	3100	199 231 228	199 231 238	3.700	
75	65	10	5000	199 231 229	199 231 239	2.900	
90	80	10	7000	199 231 230	199 231 240	4.100	
110	100	10	11000	199 231 231	199 231 241	5.200	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
16	50	167	27	62	40	97	110	194	56	130	25	261	76	48	
20	50	167	27	62	40	97	120	194	56	130	25	261	76	48	
25	58	176	30	71	40	97	139	194	65	150	25	261	76	48	
32	68	176	36	71	40	97	150	194	71	160	25	261	76	48	
40	84	210	44	84	51	115	170	224	85	180	45	305	95	59	
50	97	210	51	84	51	115	190	224	89	200	45	305	95	59	
63	124	232	64	106	51	115	220	224	101	230	45	305	95	59	
75	166	257	85	156		66	280	144	136	290	70	190	60		
90	200	274	105	168		70	296	152	141	310	70	198	65		
110	238	273	123	175		78	336	169	164	350	120	235	72		





Ball valve type 231 PP-H FC (Fail safe to close)

Without manual override

With butt fusion spigots SDR11 metric

Model:

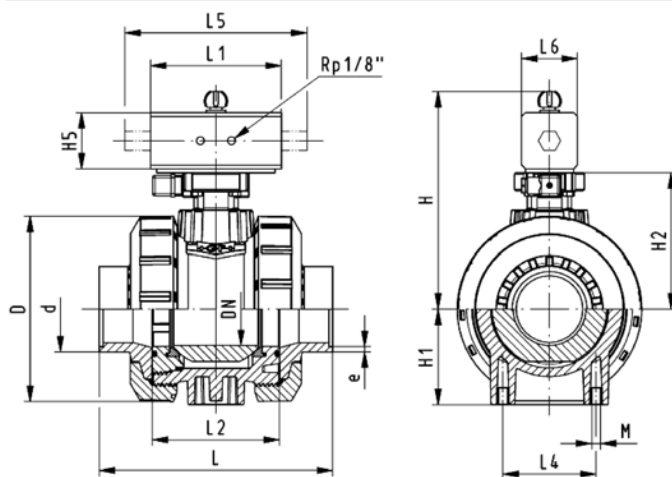
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s

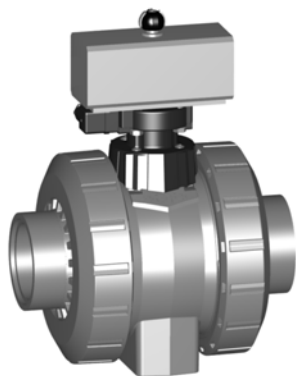
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	10	5000	199 231 839	199 231 849	4.000	
90	80	10	7000	199 231 840	199 231 850	4.800	
110	100	10	11000	199 231 841	199 231 851	6.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
75	166	262	85	156	70	266	218	136	290	70	276	65	8.2	
90	200	281	105	168	78	264	259	141	310	70	341	72	9.9	
110	238	292	123	175	86	301	287	164	350	120	369	80	12.0	





Ball valve type 231 PP-H FO (Fail safe to open) Without manual override With butt fusion spigots SDR11 metric

Model:

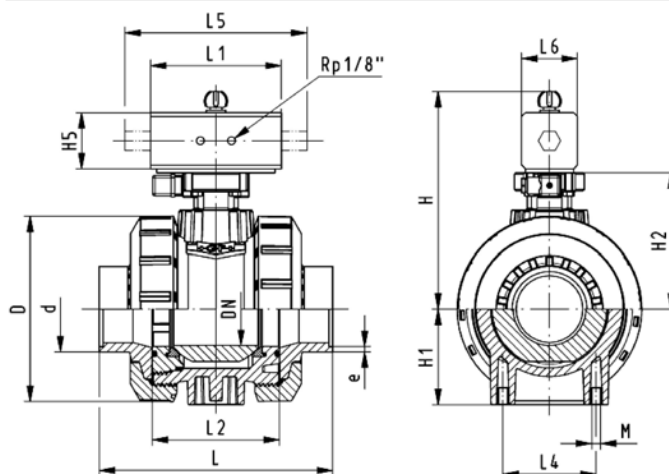
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s

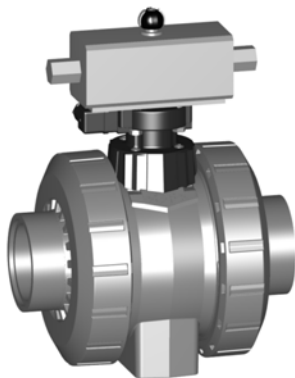
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	199 231 859	199 231 869	4.000	
 90	80	10	7000	199 231 860	199 231 870	4.800	
 110	100	10	11000	199 231 861	199 231 871	6.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
 75	166	262	85	156	70	266	218	136	290	70	276	65	8.2	
 90	200	281	105	168	78	264	259	141	310	70	341	72	9.9	
 110	238	292	123	175	86	301	287	164	350	120	369	80	12.0	





Ball valve type 231 PP-H DA (Double acting)

Without manual override

With butt fusion spigots SDR11 metric

Model:

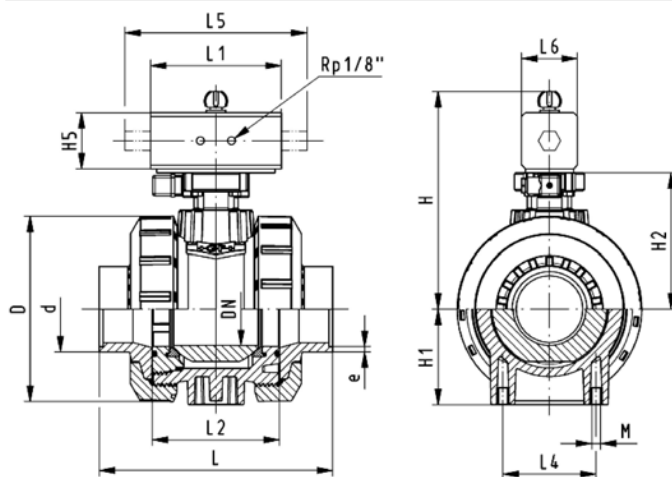
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s

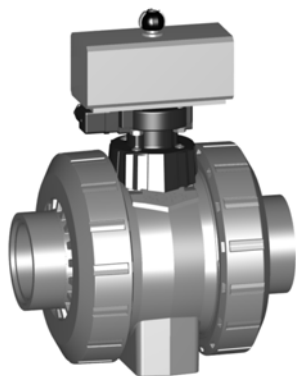
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	199 231 879	199 231 889	2.900	
 90	80	10	7000	199 231 880	199 231 890	4.100	
 110	100	10	11000	199 231 881	199 231 891	5.200	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
 75	166	257	85	156	66	266	144	136	290	70	190	60	8.2	
 90	200	274	105	168	70	264	152	141	310	70	198	65	9.9	
 110	238	273	123	175	78	301	169	164	350	120	235	72	12.0	





Ball valve type 231 PP-H FC (Fail safe to close) Without manual override With butt fusion spigots SDR17.6 metric

Model:

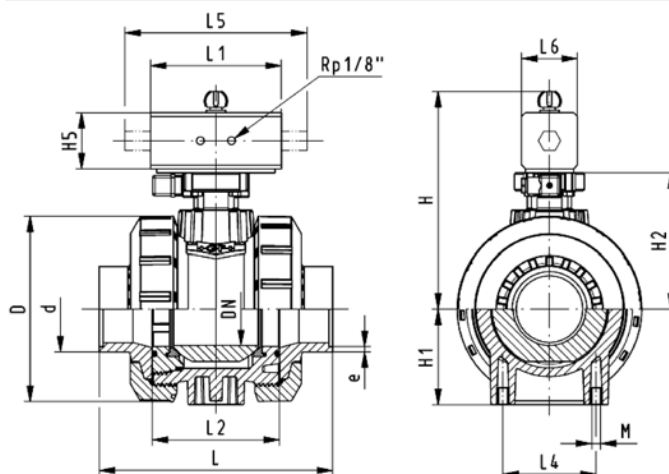
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s

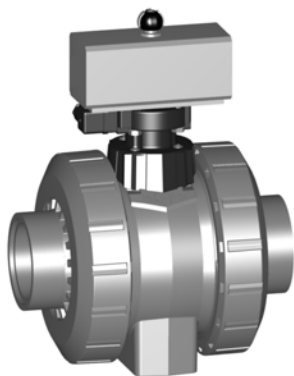
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 75	65	10	5000	199 231 939	199 231 949	4.000								
 90	80	10	7000	199 231 940	199 231 950	4.800								
 110	100	10	11000	199 231 941	199 231 951	6.900								

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]		
 75	166	262	85	156	70	266	218	136	290	70	276	65	4.6		
 90	200	281	105	168	78	264	259	141	310	70	341	72	5.5		
 110	238	292	123	175	86	301	287	164	350	120	369	80	6.7		





Ball valve type 231 PP-H FO (Fail safe to open) Without manual override With butt fusion spigots SDR17.6 metric

Model:

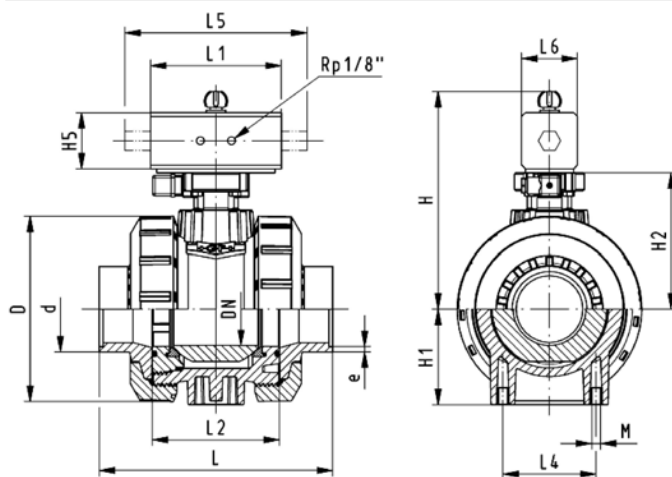
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s

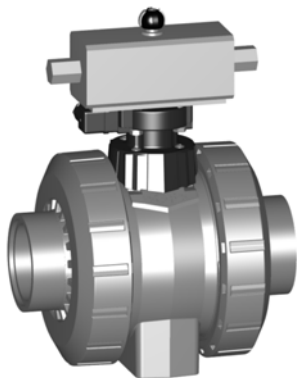
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	10	5000	199 231 959	199 231 969	4.000	
90	80	10	7000	199 231 960	199 231 970	4.800	
110	100	10	11000	199 231 961	199 231 971	6.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
75	166	262	85	156	70	266	218	136	290	70	276	65	4.6	
90	200	281	105	168	78	264	259	141	310	70	341	72	5.5	
110	238	292	123	175	86	301	287	164	350	120	369	80	6.7	





Ball valve type 231 PP-H DA (Double acting)

Without manual override

With butt fusion spigots SDR17.6 metric

Model:

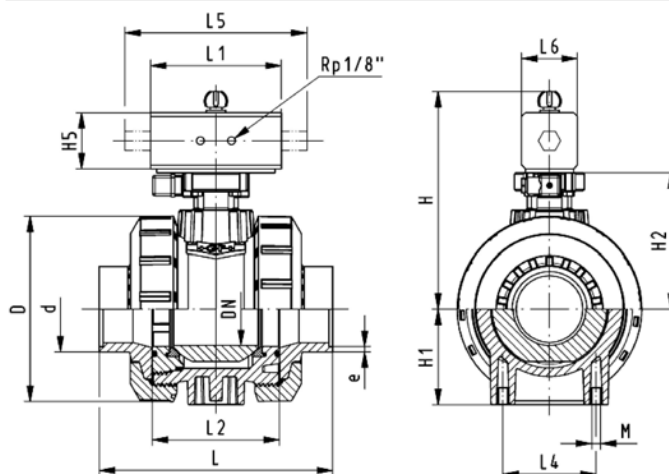
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90° < 1-2 s

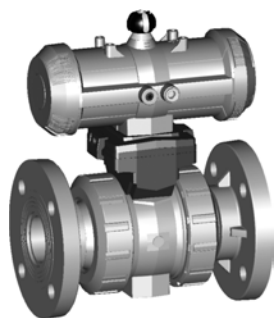
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	199 231 979	199 231 989	2.900	
 90	80	10	7000	199 231 980	199 231 990	4.100	
 110	100	10	11000	199 231 981	199 231 991	5.200	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
 75	166	257	85	156	66	266	144	136	290	70	190	60	4.6	
 90	200	274	105	168	70	264	152	141	310	70	198	65	5.5	
 110	238	273	123	175	78	301	169	164	350	120	235	72	6.7	





DN10/15 - 50

Ball valve type 231 PP-H FC (Fail safe to close) Without manual override With fixed flanges PP-H serrated metric

Model:

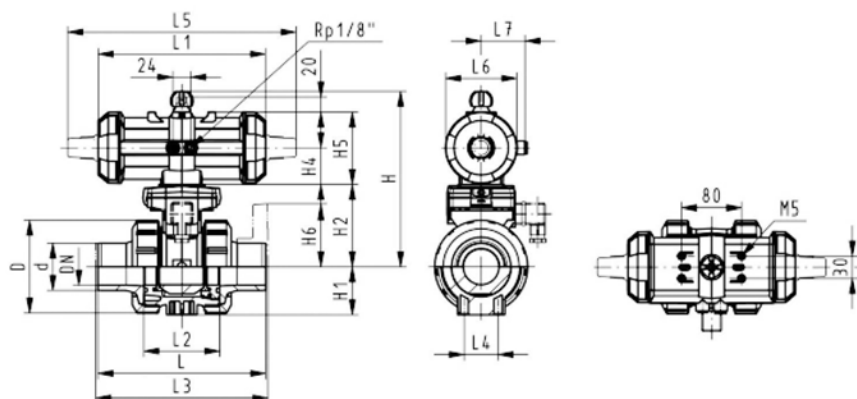
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	½	10	185	199 231 423	199 231 433	1.400	
25	20	¾	10	350	199 231 424	199 231 434	1.600	
32	25	1	10	700	199 231 425	199 231 435	1.800	
40	32	1 ¼	10	1000	199 231 426	199 231 436	3.100	
50	40	1 ½	10	1600	199 231 427	199 231 437	3.600	
63	50	2	10	3100	199 231 428	199 231 438	4.700	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	167	27	62	40	97	48	120	194	56	130	25	261	76	48
25	58	176	30	71	40	97	53	140	194	65	150	25	261	76	48
32	68	176	36	71	40	97	58	150	194	71	160	25	261	76	48
40	84	210	44	84	51	115	70	170	224	85	180	45	305	95	59
50	97	210	51	84	51	115	75	190	224	89	200	45	305	95	59
63	124	232	64	106	51	115	83	220	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 231 PP-H FO (Fail safe to open) Without manual override With fixed flanges PP-H serrated metric

Model:

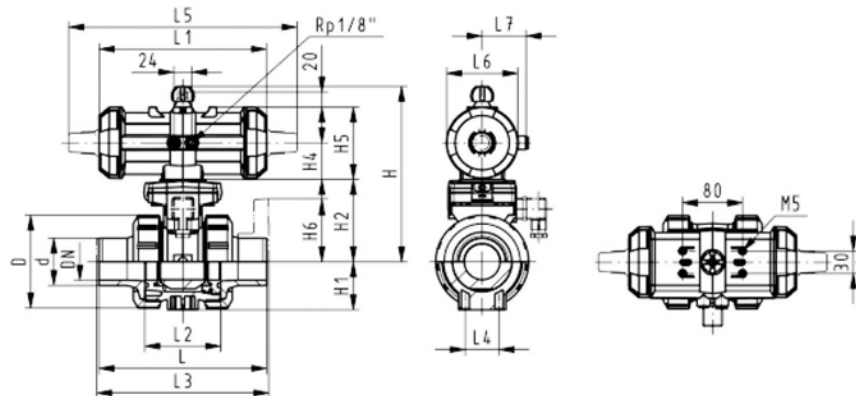
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

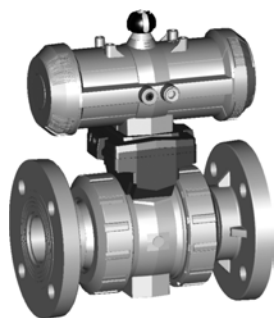
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	½	10	185	199 231 443	199 231 453	1.400	
25	20	¾	10	350	199 231 444	199 231 454	1.600	
32	25	1	10	700	199 231 445	199 231 455	1.800	
40	32	1 ¼	10	1000	199 231 446	199 231 456	3.100	
50	40	1 ½	10	1600	199 231 447	199 231 457	3.600	
63	50	2	10	3100	199 231 448	199 231 458	4.700	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	167	27	62	40	97	48	120	194	56	130	25	261	76	48
25	58	176	30	71	40	97	53	140	194	65	150	25	261	76	48
32	68	176	36	71	40	97	58	150	194	71	160	25	261	76	48
40	84	210	44	84	51	115	70	170	224	85	180	45	305	95	59
50	97	210	51	84	51	115	75	190	224	89	200	45	305	95	59
63	124	232	64	106	51	115	83	220	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 231 PP-H DA (Double acting) Without manual override With fixed flanges PP-H serrated metric

Model:

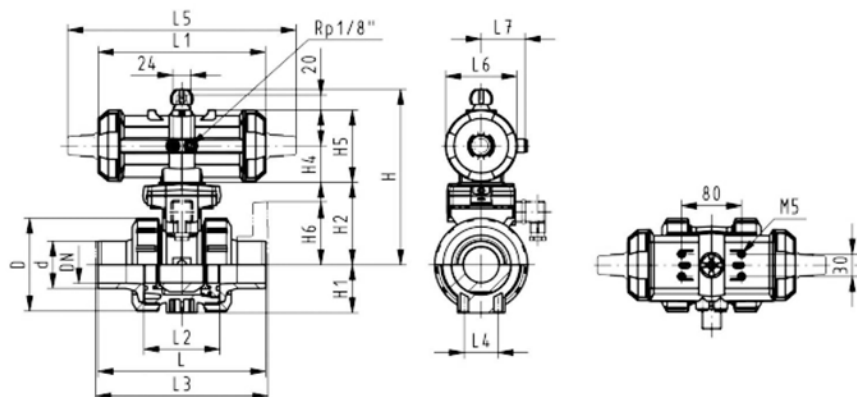
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	½	10	185	199 231 463	199 231 473	1.400	
25	20	¾	10	350	199 231 464	199 231 474	1.600	
32	25	1	10	700	199 231 465	199 231 475	1.800	
40	32	1 ¼	10	1000	199 231 466	199 231 476	3.100	
50	40	1 ½	10	1600	199 231 467	199 231 477	3.600	
63	50	2	10	3100	199 231 468	199 231 478	4.700	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	
20	50	167	27	62	40	97	48	120	194	56	130	25	261	76	48	
25	58	176	30	71	40	97	53	140	194	65	150	25	261	76	48	
32	68	176	36	71	40	97	58	150	194	71	160	25	261	76	48	
40	84	210	44	84	51	115	70	170	224	85	180	45	305	95	59	
50	97	210	51	84	51	115	75	190	224	89	200	45	305	95	59	
63	124	232	64	106	51	115	83	220	224	101	230	45	305	95	59	





Ball valve type 231 PP-H FC (Fail safe to close) Without manual override With backing flanges PP-st metric

Model:

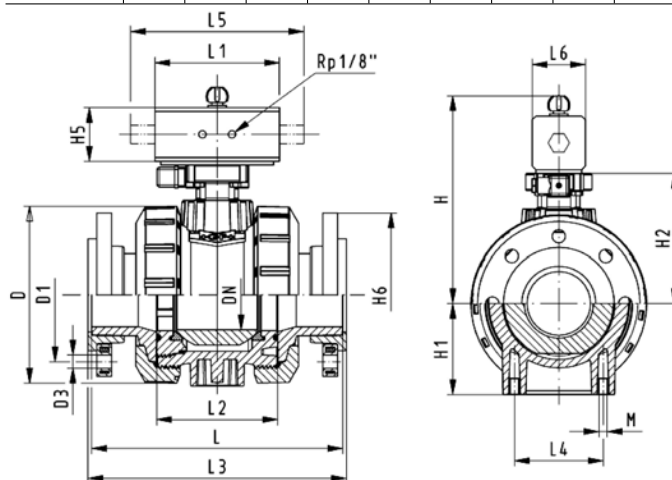
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005, EN 1092, BS 4504, DIN 2501; bolt circle PN 10

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	2 1/2	10	5000	199 231 329	199 231 339	8.300	
90	80	3	10	7000	199 231 330	199 231 340	10.000	
110	100	4	10	11000	199 231 331	199 231 341	14.100	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
75	166	262	85	156	70	93	280	218	136	290	70	276	65	
90	200	281	105	168	78	100	296	259	141	310	70	341	72	
110	238	292	123	175	86	110	336	287	164	350	120	369	80	





Ball valve type 231 PP-H FO (Fail safe to open) Without manual override With backing flanges PP-st metric

Model:

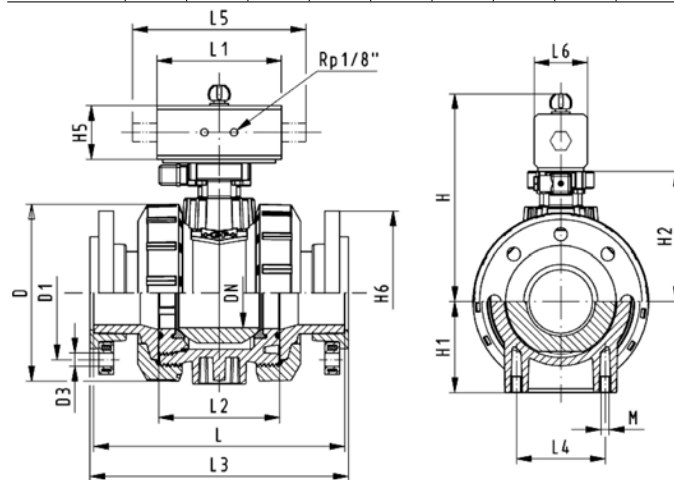
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005, EN 1092, BS 4504, DIN 2501; bolt circle PN 10

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	2 1/2	10	5000	199 231 349	199 231 359	8.300	
90	80	3	10	7000	199 231 350	199 231 360	10.000	
110	100	4	10	11000	199 231 351	199 231 361	14.100	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
75	166	262	85	156	70	93	280	218	136	290	70	276	65	
90	200	281	105	168	78	100	296	259	141	310	70	341	72	
110	238	292	123	175	86	110	336	287	164	350	120	369	80	





Ball valve type 231 PP-H DA (Double acting)

Without manual override

With backing flanges PP-st metric

Model:

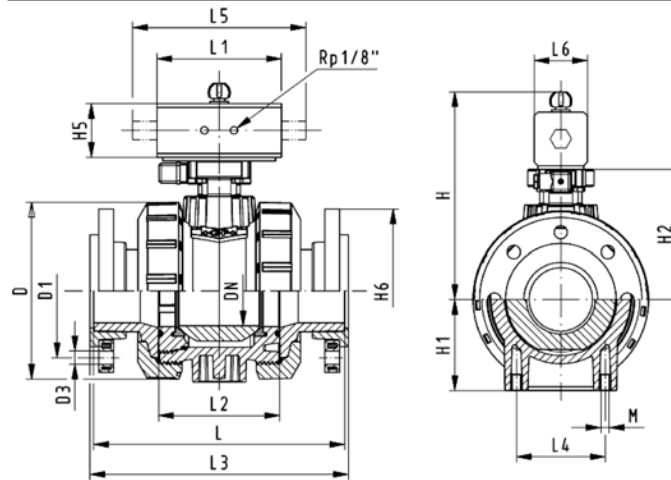
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length according to EN 558-1
- Connecting dimensions: ISO 7005, EN 1092, BS 4504, DIN 2501; bolt circle PN 10

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	2 1/2	10	5000	199 231 369	199 231 379	7.100	
 90	80	3	10	7000	199 231 370	199 231 380	9.300	
 110	100	4	10	11000	199 231 371	199 231 381	12.300	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
 75	166	257	85	156	66	93	280	144	136	290	70	190	60	
 90	200	274	105	168	70	100	296	152	141	310	70	198	65	
 110	238	273	123	175	78	110	336	169	164	350	120	235	72	





Ball valve type 231 PP-H FC (Fail safe to close) Without manual override With backing flanges PP-st ASTM

Model:

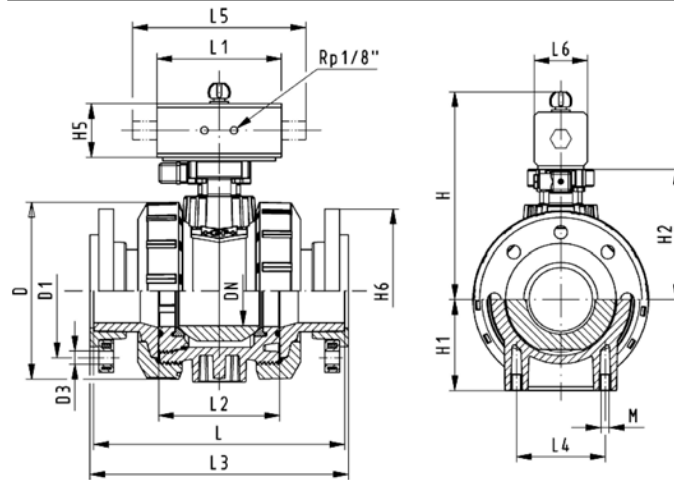
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length according to EN 558-1
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	2 1/2	10	5000	199 231 729	199 231 739	8.300	
90	80	3	10	7000	199 231 730	199 231 740	10.000	
110	100	4	10	11000	199 231 731	199 231 741	14.100	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
75	166	262	85	156	70	93	280	218	136	290	70	276	65	
90	200	281	105	168	78	100	296	259	141	310	70	341	72	
110	238	292	123	175	86	115	336	287	164	350	120	369	80	





Ball valve type 231 PP-H FO (Fail safe to open) Without manual override With backing flanges PP-st ASTM

Model:

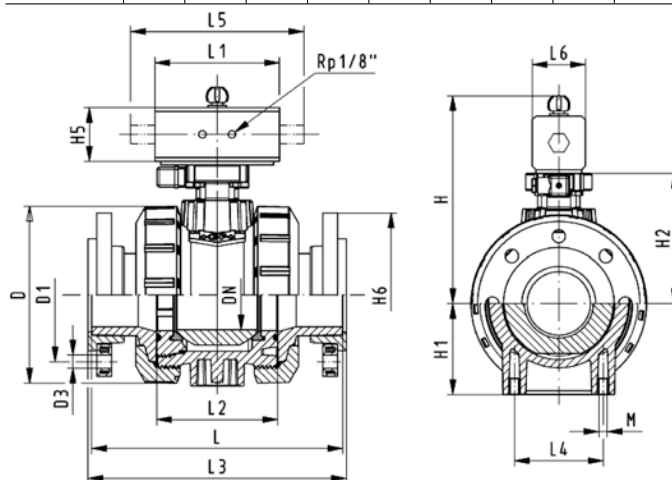
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length according to EN 558-1
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	2 1/2	10	5000	199 231 749	199 231 759	8.300	
 90	80	3	10	7000	199 231 750	199 231 760	10.000	
 110	100	4	10	11000	199 231 751	199 231 761	14.100	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
 75	166	262	85	156	70	93	280	218	136	290	70	276	65	
 90	200	281	105	168	78	100	296	259	141	310	70	341	72	
 110	238	292	123	175	86	115	336	287	164	350	120	369	80	





Ball valve type 231 PP-H DA (Double acting)

Without manual override

With backing flanges PP-st ASTM

Model:

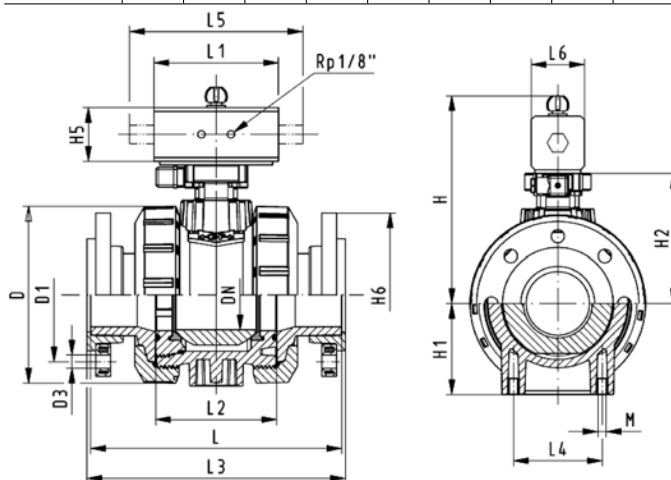
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s
- Overall length according to EN 558-1
- Connecting dimension ANSI/ASME B 16.5 / ASTM D 4024

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	2 1/2	10	5000	199 231 769	199 231 779	7.100	
 90	80	3	10	7000	199 231 770	199 231 780	9.300	
 110	100	4	10	11000	199 231 771	199 231 781	12.300	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
 75	166	257	85	156	66	93	280	144	136	290	70	190	60	
 90	200	274	105	168	70	100	296	152	141	310	70	198	65	
 110	238	273	123	175	78	115	336	169	164	350	120	235	72	



Copiable

Configurator GF ball valve type 546 PP-H

Ball Valve

A01 Ball Valve 546
A02 Linear Ball Valve

Material
B05 PP-H

Dimension

C05 d 16 DN 10 3/8"
C06 d 20 DN 15 1/2"
C07 d 25 DN 20 3/4"
C08 d 32 DN 25 1"
C09 d 40 DN 32 1 1/4"
C10 d 50 DN 40 1 1/2"
C11 d 63 DN 50 2"
C12 d 75 DN 65 2 1/2"
C13 d 90 DN 80 3"
C14 d 110 DN 100 4"
C15 d 160 DN 150 6"

Version

D01 Standard, PTFE ball seal
D02 oilfree, PTFE ball seal (only with specific connecting parts)
D03 silicon-free, PTFE ball seal (only with specific connecting parts)
D04 silicon-free, PVDF ball seal for metric (only with specific connecting parts)

Seals

E01 EPDM seals
E02 FPM seals
E03 FPM (KALREZ®) seals

Threaded inserts

F01 without threaded inserts
F02 with threaded inserts

Connecting parts

G30 PP-H Fusion socket metric
G32 PP-H Socket fusion spigot metric
G33 PP-H Threaded socket Rp reinforced
G34 PP-H Threaded socket NPT reinforced
G35 PP-H Butt fusion spigot SDR 11 metric IR-PLUS®
G36 PP-H Butt fusion spigot SDR 17.6 metric with this valve end the maximum nominal pressure is reduced to PN 6
G37 PP-H Butt fusion spigot long SDR11 metric
G83 PP-H Valve end blank
G44 PE-100 Butt fusion spigot long SDR17.6 metric (DN65-100)
G63 Fixed flange PP-H serrated metric (DN10-50)
G72 Backing flange PP-steel metric
G73 Backing flange PP-steel inch ANSI
G77 Backing flange PP JIS with connecting parts
G78 Backing flange PP-GF JIS
G40 PE-100 Fusion socket metric
G41 PE-100 Butt fusion spigot SDR11 metric
G42 PE-100 Butt fusion spigot SDR17.6 metric
G43 PE-100 Butt fusion spigot long SDR11 metric

Multi-functional module

I01 No multi-functional module
I02 Empty module
I03 Module with 2 end switches Ag, Ni
I04 Module with 2 end switches Au
I05 Module with 2 inductive switches Namur
I06 Module with 2 inductive switches PNP
I07 Module with 2 inductive switches NPN

Lever

K01 Standard lever red
K02 Standard lever black
K11 Multi-functional lever red

Mounting plate

L01 without mounting plate
L02 with mounting plate

A01

B05

C

D

E

F

G

G

I

K

L

left right

You will find a large selection of different versions in our range of products. New system elements also provide you with new opportunities for use. In order for us to supply exactly the ball valve you need for your application, we have created a selection menu for you. (The maximum nominal pressure for the ball valve is PN10).

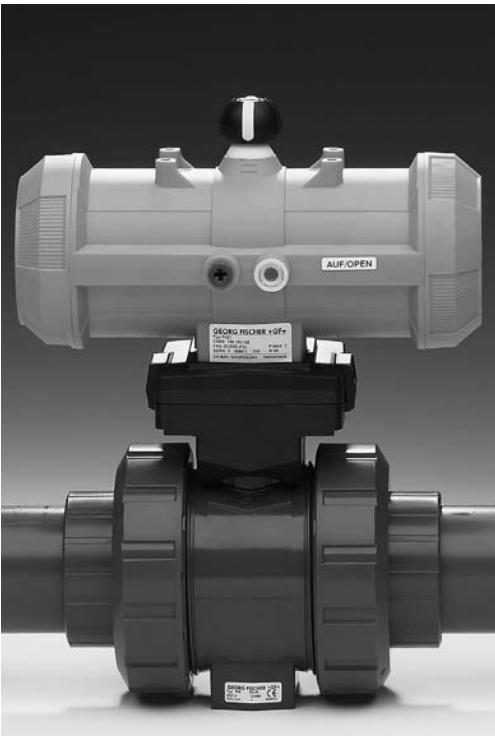
We supply what you put together.

Copiable

GF ball valve type 546 with pneumatic actuator

It's so easy to configure the type 546:
 With the configurator, you have a choice of new pneumatic actuators PA11 and PA21 in 2 optimized sizes including a large range of accessories.

We supply what you put together.



Pneumatic actuators PA11/PA21			
P01	Fail safe to close PA11/PA21		
P02	Fail safe to open PA11/21		
P03	Double acting PA11/21		
P30	Fail safe to close PA30/90		
P31	Fail safe to open PA30/90		
P32	Double acting PA30/90		
Manual override			
Q01	without manual override		
Q02	with manual override		
Stroke limiter			
R01	without stroke limiter		
R02	with stroke limiter		
P	Q	R	