

Product Range

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



GEORG FISCHER
PIPING SYSTEMS

List of Abbreviations

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

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

Dimensions

All dimensions are given in mm.

Table of Contents

Ball valve type 546 in PVC-U

standard executions	7
silicone free executions	32
configurator, order sample	38
with electric actuator type 107	40
with electric actuator type 130, 134	50
configurator, order sample	62
with pneumatic actuator type 230, 234	65
configurator, order sample	98

Ball valve type 546 in PVC-C

standard executions	101
silicone free executions	113
configurator	117
with electric actuator type 107	118
with electric actuator type 130	124
configurator, order sample	132
with pneumatic actuator type 230, 234	135
configurator, order sample	156

Ball valve type 546 in ABS

standard executions	158
configurator	167
with electric actuator type 107	168
with electric actuator type 130, 134	174
configurator, order sample	180
with pneumatic actuator type 230, 234	182
configurator, order sample	200

Ball valve type 546 in PP-H

standard executions	203
silicone free executions	221
configurator, order sample	226
with electric actuator type 107	228
with electric actuator type 131	234
configurator, order sample	248
with pneumatic actuator type 231	250
configurator, order sample	280

Ball valve type 546 in PVDF

standard executions	282
configurator	293
with electric actuator type 107	294
with electric actuator type 132	302
configurator, order sample	310
with pneumatic actuator type 232	312
configurator, order sample	336

Valve ends

Spare parts and accessories for electric/pneumatic actuators	355
---	------------

New product:

Ball valve type 546 now in DN65 - DN100



Materials / pressure rating:

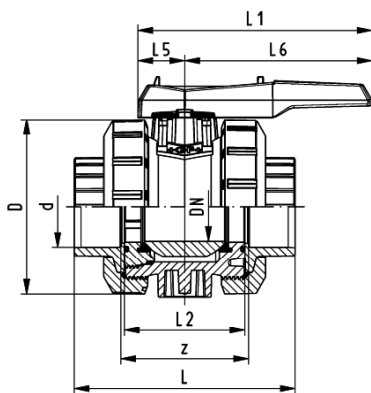
- PVC-U (PN16)
- PVC-C (PN16)
- ABS (PN10)
- PP-H (PN10)

Options:

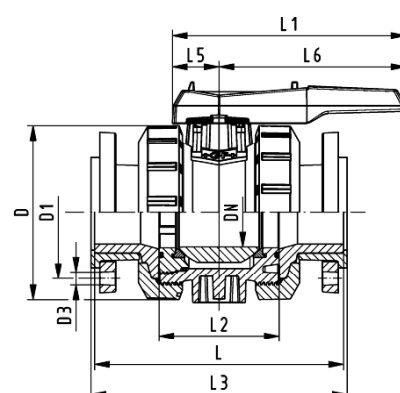
- with or without threaded inserts for easy mounting of the valve available
- electrical positioning feedback with different integrated switches
- lockable handle with ratchet function (5°-pitch)
- valve can be configured individually

Valve ends:

- fusion and cement sockets ISO/DIN, ASTM, BS, JIS
- fusion and cement spigots ISO/DIN
- threaded socket Rp, Rc, NPT
- backing flanges ISO/DIN, ANSI, BS, JIS
- butt fusion spigots SDR11 and SDR17.6
- PE100 electro fusion spigots resp. butt fusion spigots SDR11 und SDR17.6



Execution: e.g. fusion/cement socket



execution: e.g. backing flange PVC-U

Code numbers and dimensions please see ball valve type 546.

New product:

Ball valve type 130 - 134 now in DN65 - DN100

Configuration:

- Ball valve type 546 DN65 to DN100 in PVC-U, PVC-C, ABS, PP-H
- Electrical actuator EA31 in 24V AC/DC or 100-230V 50-60Hz
- Flange connection for the actuator according to ISO 5211

Equipment electric actuator:

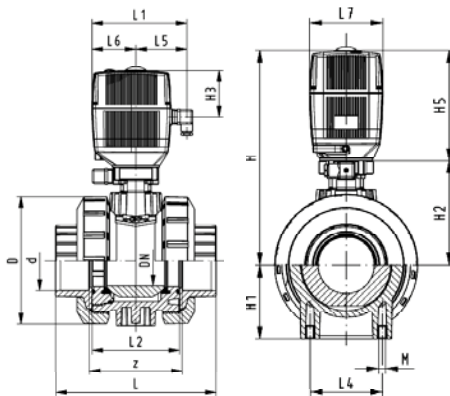
- With integrated emergency override
- With optical position indication
- Actuating angle 90°
- Control time 15 sec/90°

Options and accessories:

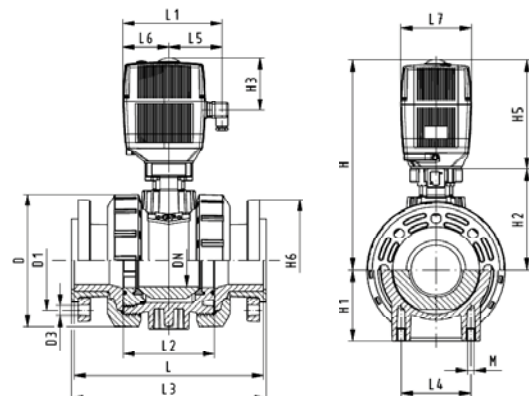
- Electrical positioning feedback in the multifunctional module

Accessories for actuator EA31:

- Heating element
- Fail-safe return with battery
- Additional mechanical or inductive limit switches
- Monitoring print for cycle time extension, cycle time monitoring, cycle counter, motor current monitoring
- Position signalization 4-20 mA
- Positioner PE25



Execution: e.g. with cement socket



execution: e.g. with backing flange

Code numbers and dimensions please see ball valve type 130 - 134.

New product:

Ball valve type 230 - 234 now in DN65 - DN100

Configuration:

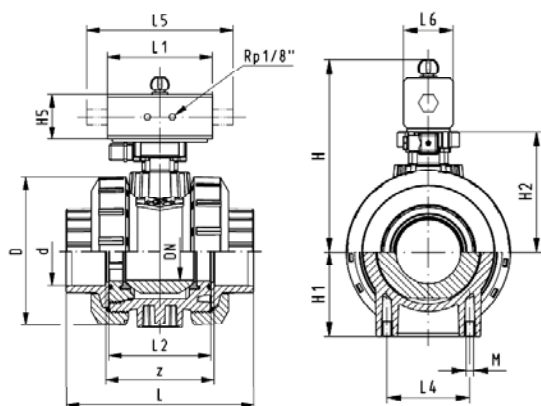
- Ball valve type 546 DN65 to DN100 in PVC-U, PVC-C, ABS, PP-H
- Flange connection for the actuator according to ISO 5211
- pneumatic actuators PA30-45

Working principles for pneumatic actuators:

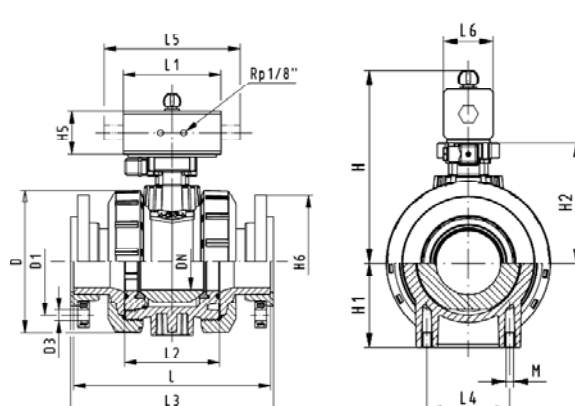
- fail-safe to close (FC)
- fail-safe to open (FO)
- Double acting (DA)
- Acting angle 90°
- Control time 0.5-2 sec/90°

Options and accessories:

- Electrical positioning feedback in the multifunction module
- Namur mounting console to mount the limit switches on top of the actuator
- Solenoid valves for activation of the actuator



Execution: e.g. cement socket

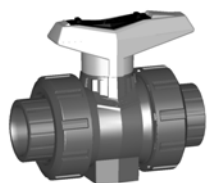


execution: e.g. backing flange

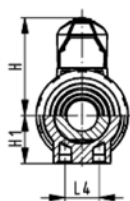
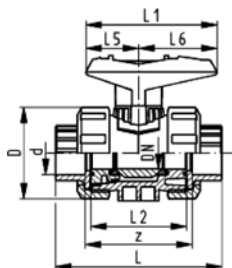
Code numbers and dimensions please see ball valve type 230 - 234

Ball valves

Ball valve type 546 PVC-U With solvent cement sockets metric



DN10/15 - 50



Model:

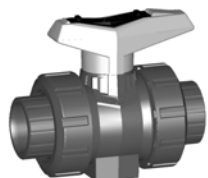
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

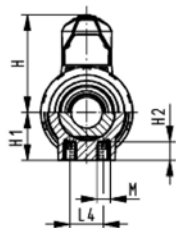
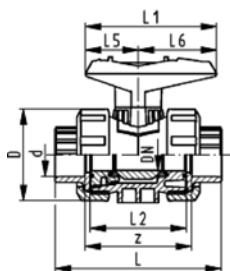
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
16	10	16	71	161 546 001	161 546 011	0.150
20	15	16	185	161 546 002	161 546 012	0.150
25	20	16	350	161 546 003	161 546 013	0.230
32	25	16	700	161 546 004	161 546 014	0.330
40	32	16	1000	161 546 005	161 546 015	0.600
50	40	16	1600	161 546 006	161 546 016	0.800
63	50	16	3100	161 546 007	161 546 017	1.460
75	65	16	5000	161 546 008	161 546 018	4.900
90	80	16	7000	161 546 009	161 546 019	7.400
110	100	16	11000	161 546 010	161 546 020	11.600

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	92	77	56	25	32	45	64
20	50	57	27	95	77	56	25	32	45	64
25	58	67	30	110	97	65	25	39	58	72
32	68	73	36	123	97	71	25	39	58	79
40	84	90	44	146	128	85	45	54	74	94
50	97	97	51	157	128	89	45	54	74	95
63	124	116	64	183	152	101	45	66	87	107
75	166	149	85	233	270	136	70	64	206	144
90	200	161	105	254	270	141	70	64	206	151
110	238	178	123	301	320	164	120	64	256	174



DN10/15 - 50



Ball valve type 546 PVC-U With mounting inserts With solvent cement sockets metric

Model:

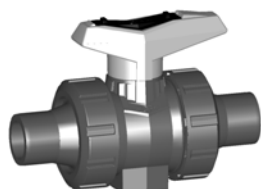
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

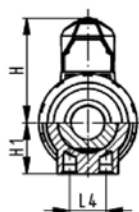
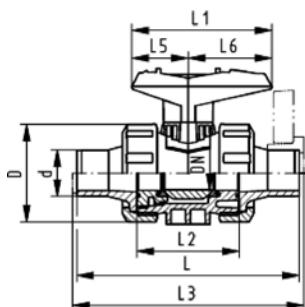
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	16	71	161 546 061	161 546 071	0.150	
20	15	16	185	161 546 062	161 546 072	0.150	
25	20	16	350	161 546 063	161 546 073	0.230	
32	25	16	700	161 546 064	161 546 074	0.330	
40	32	16	1000	161 546 065	161 546 075	0.600	
50	40	16	1600	161 546 066	161 546 076	0.800	
63	50	16	3100	161 546 067	161 546 077	1.460	
 75	65	16	5000	161 546 068	161 546 078	4.900	
 90	80	16	7000	161 546 069	161 546 079	7.400	
 110	100	16	11000	161 546 070	161 546 080	11.600	

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	92	77	56	25	32	45	6	64	
20	50	57	27	12	95	77	56	25	32	45	6	64	
25	58	67	30	12	110	97	65	25	39	58	6	72	
32	68	73	36	12	123	97	71	25	39	58	6	79	
40	84	90	44	15	146	128	85	45	54	74	8	94	
50	97	97	51	15	157	128	89	45	54	74	8	95	
63	124	116	64	15	183	152	101	45	66	87	8	107	
 75	166	149	85	15	233	270	136	70	64	206	8	144	
 90	200	161	105	15	254	270	141	70	64	206	8	151	
 110	238	178	123	22	301	320	164	120	64	256	12	174	



DN10/15 - 50



Ball valve type 546 PVC-U With solvent cement spigots metric

Model:

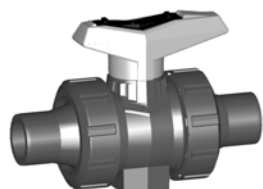
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

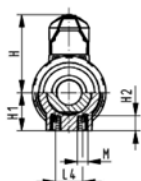
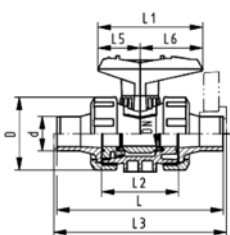
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	16	71	161 546 041	161 546 051	0.155	
20	15	16	185	161 546 042	161 546 052	0.155	
25	20	16	350	161 546 043	161 546 053	0.240	
32	25	16	700	161 546 044	161 546 054	0.345	
40	32	16	1000	161 546 045	161 546 055	0.615	
50	40	16	1600	161 546 046	161 546 056	0.840	
63	50	16	3100	161 546 047	161 546 057	1.545	
 75	65	16	5000	161 546 048	161 546 058	5.100	
 90	80	16	7000	161 546 049	161 546 059	7.500	
 110	100	16	11000	161 546 050	161 546 060	11.900	

d [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
16	50	57	27	114	77	56		25	32	45	
20	50	57	27	124	77	56	130	25	32	45	
25	58	67	30	144	97	65	150	25	39	58	
32	68	73	36	154	97	71	160	25	39	58	
40	84	90	44	174	128	85	180	45	54	74	
50	97	97	51	194	128	89	200	45	54	74	
63	124	116	64	224	152	101	230	45	66	87	
 75	166	149	85	284	270	136	290	70	64	206	
 90	200	161	105	300	270	141	310	70	64	206	
 110	238	178	123	340	320	164	350	120	64	256	



DN10/15 - 50



Ball valve type 546 PVC-U With mounting inserts With solvent cement spigots metric

Model:

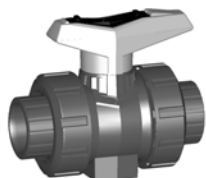
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

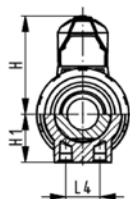
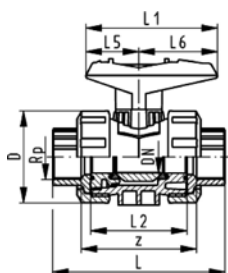
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg							
16	10	16	71	161 546 721	161 546 731	0.157							
20	15	16	185	161 546 722	161 546 732	0.157							
25	20	16	350	161 546 723	161 546 733	0.242							
32	25	16	700	161 546 724	161 546 734	0.347							
40	32	16	1000	161 546 725	161 546 735	0.620							
50	40	16	1600	161 546 726	161 546 736	0.845							
63	50	16	3100	161 546 727	161 546 737	1.550							
 75	65	16	5000	161 546 728	161 546 738	5.100							
 90	80	16	7000	161 546 729	161 546 739	7.500							
 110	100	16	11000	161 546 730	161 546 740	11.900							

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	114	77	56	130	25	32	45	M6	
20	50	57	27	12	124	77	56	130	25	32	45	M6	
25	58	67	30	12	144	97	65	150	25	39	58	M6	
32	68	73	36	12	154	97	71	160	25	39	58	M6	
40	84	90	44	15	174	128	85	180	45	54	74	M8	
50	97	97	51	15	194	128	89	200	45	54	74	M8	
63	124	116	64	15	224	152	101	230	45	66	87	M8	
 75	166	149	85	15	284	270	136	290	70	64	206	M8	
 90	200	161	105	15	300	270	141	310	70	64	206	M8	
 110	238	178	123	22	340	320	164	350	120	64	256	M12	



DN10/15 - 50



Ball valve type 546 PVC-U With threaded sockets Rp

Model:

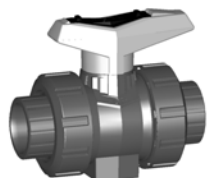
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

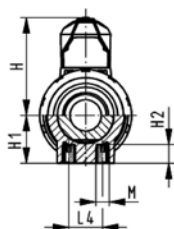
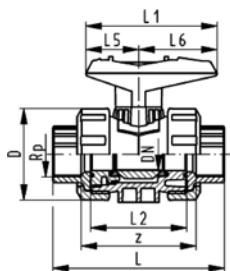
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	71	161 546 021	161 546 031	0.150	
1/2	15	10	185	161 546 022	161 546 032	0.150	
3/4	20	10	350	161 546 023	161 546 033	0.230	
1	25	10	700	161 546 024	161 546 034	0.330	
1 1/4	32	10	1000	161 546 025	161 546 035	0.600	
1 1/2	40	10	1600	161 546 026	161 546 036	0.800	
2	50	10	3100	161 546 027	161 546 037	1.460	
 2 1/2	65	10	5000	161 546 028	161 546 038	5.000	
 3	80	10	7000	161 546 029	161 546 039	7.500	
 4	100	10	11000	161 546 030	161 546 040	11.700	

Rp [inch]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	z [mm]	
3/8	50	57	27	95	77	56	25	32	45	69	
1/2	50	57	27	100	77	56	25	32	45	67	
3/4	58	67	30	114	97	65	25	39	58	78	
1	68	73	36	127	97	71	25	39	58	85	
1 1/4	84	90	44	146	128	85	45	54	74	100	
1 1/2	97	97	51	152	128	89	45	54	74	106	
2	124	116	64	177	152	101	45	66	87	121	
 2 1/2	166	149	85	233	270	136	70	64	206	144	
 3	200	161	105	254	270	141	70	64	206	151	
 4	238	178	123	301	320	164	120	64	256	174	



DN10/15 - 50



Ball valve type 546 PVC-U With mounting inserts With threaded sockets Rp

Model:

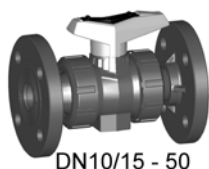
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

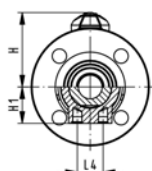
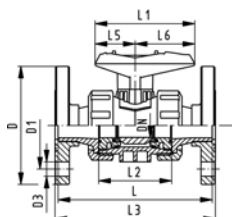
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	71	161 546 741	161 546 751	0.152	
1/2	15	10	185	161 546 742	161 546 752	0.152	
3/4	20	10	350	161 546 743	161 546 753	0.232	
1	25	10	700	161 546 744	161 546 754	0.332	
1 1/4	32	10	1000	161 546 745	161 546 755	0.605	
1 1/2	40	10	1600	161 546 746	161 546 756	0.805	
2	50	10	3100	161 546 747	161 546 757	1.465	
 2 1/2	65	10	5000	161 546 748	161 546 758	5.000	
 3	80	10	7000	161 546 749	161 546 759	7.500	
 4	100	10	11000	161 546 750	161 546 760	11.700	

Rp [inch]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
3/8	50	57	27	12	95	77	56	25	32	45	M6	69	
1/2	50	57	27	12	100	77	56	25	32	45	M6	67	
3/4	58	67	30	12	114	97	65	25	39	58	M6	78	
1	68	73	36	12	127	97	71	25	39	58	M6	85	
1 1/4	84	90	44	15	146	128	85	45	54	74	M8	100	
1 1/2	97	97	51	15	152	128	89	45	54	74	M8	106	
2	124	116	64	15	177	152	101	45	66	87	M8	121	
 2 1/2	166	149	85	15	233	270	136	70	64	206	M8	144	
 3	200	161	105	15	254	270	141	70	64	206	M8	151	
 4	238	178	123	22	301	320	164	120	64	256	M12	174	



DN10/15 - 50



Ball valve type 546 PVC-U With PVC-U fixed flanges serrated metric

Model:

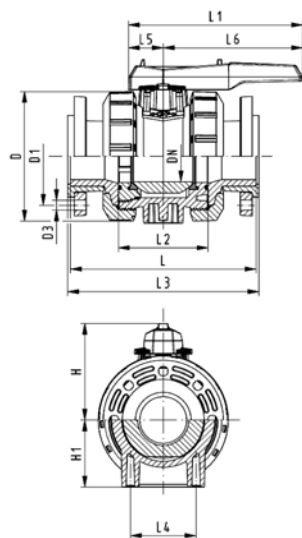
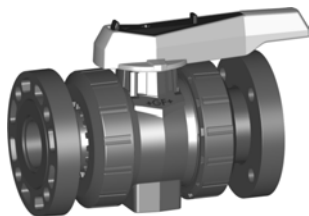
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts
- Overall length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

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	16	185	800 000 182	800 000 192	0.370	
25	20	16	350	800 000 183	800 000 193	0.510	
32	25	16	700	800 000 184	800 000 194	0.740	
40	32	16	1000	800 000 185	800 000 195	1.230	
50	40	16	1600	800 000 186	800 000 196	1.610	
63	50	16	3100	800 000 187	800 000 197	2.710	

d [mm]	D [mm]	D1 [mm]	D3 [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
20	95	65	14	57	27	124	77	56	130	25	32	45	
25	105	75	14	67	30	144	97	65	150	25	39	58	
32	115	85	14	73	36	154	97	71	160	25	39	58	
40	140	100	18	90	44	174	128	85	180	45	54	74	
50	150	110	18	97	51	194	128	89	200	45	54	74	
63	165	125	18	116	64	224	152	101	230	45	66	87	



Ball valve type 546 PVC-U With mounting inserts With backing flanges PVC-U metric

Model:

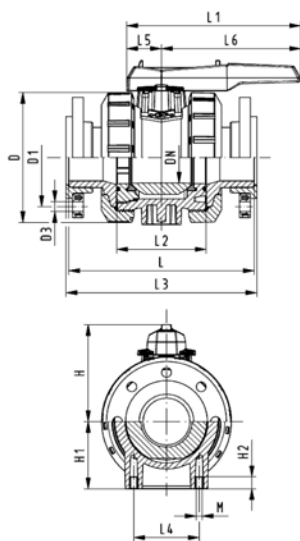
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Overall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

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	161 546 108	161 546 118	7.200	
 90	80	10	7000	161 546 109	161 546 119	10.600	
 110	100	10	11000	161 546 110	161 546 120	16.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	
 75	166	149	85	15	284	270	136	70	64	206	M8	
 90	200	161	105	15	300	270	141	70	64	206	M8	
 110	238	178	123	22	340	320	164	120	64	256	M12	



Ball valve type 546 PVC-U 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+

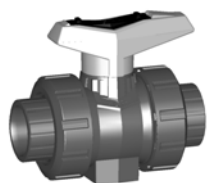
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	16	5000	161 546 948	161 546 958	9.100	
90	80	16	7000	161 546 949	161 546 959	12.400	
110	100	16	11000	161 546 950	161 546 960	18.500	

d [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	
75	166	149	85	284	270	136	290	70	64	206	
90	200	161	105	300	270	141	310	70	64	206	
110	238	178	123	340	320	164	350	120	64	256	

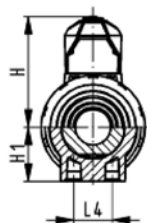
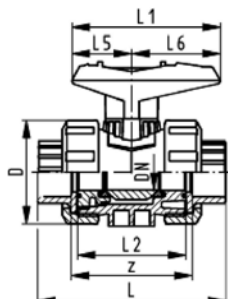
Ball valves

Ball valve type 546 PVC-U

With solvent cement sockets Inch BS



DN10/15 - 50



Model:

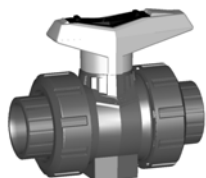
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

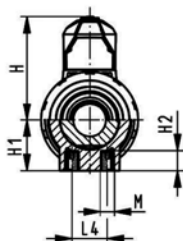
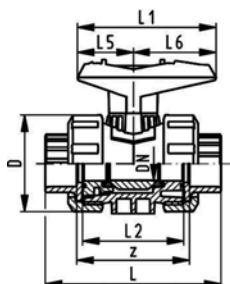
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg				
3/8	10	16	71	161 546 201	161 546 211	0.150				
1/2	15	16	185	161 546 202	161 546 212	0.150				
3/4	20	16	350	161 546 203	161 546 213	0.230				
1	25	16	700	161 546 204	161 546 214	0.330				
1 1/4	32	16	1000	161 546 205	161 546 215	0.585				
1 1/2	40	16	1600	161 546 206	161 546 216	0.815				
2	50	16	3100	161 546 207	161 546 217	1.490				
 65	65	16	5000	161 546 008	161 546 018	4.900				
 80	80	16	7000	161 546 209	161 546 219	7.400				
 100	100	16	11000	161 546 210	161 546 220	11.600				

Inch	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	z [mm]				
3/8	50	57	27	92	77	56	25	32	45	60				
1/2	50	57	27	95	77	56	25	32	45	60				
3/4	58	67	30	110	97	65	25	39	58	69				
1	68	73	36	123	97	71	25	39	58	75				
1 1/4	84	90	44	146	128	85	45	54	74	89				
1 1/2	97	97	51	157	128	89	45	54	74	97				
2	124	116	64	183	152	101	45	66	87	110				
 166	166	149	85	233	270	136	70	64	206	144				
 200	200	161	105	254	270	141	70	64	206	151				
 238	238	178	123	301	320	164	120	64	256	174				



DN10/15 - 50



Ball valve type 546 PVC-U With mounting inserts With solvent cement sockets inch BS

Model:

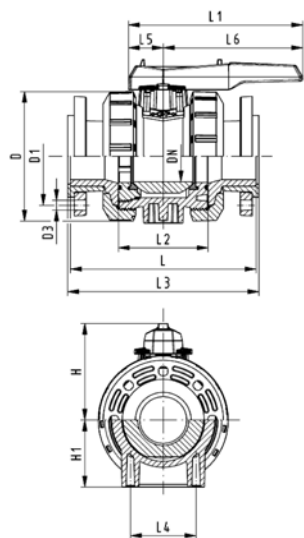
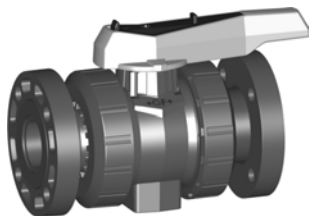
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

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

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	16	71	161 546 241	161 546 251	0.150	
1/2	15	16	185	161 546 242	161 546 252	0.150	
3/4	20	16	350	161 546 243	161 546 253	0.230	
1	25	16	700	161 546 244	161 546 254	0.330	
1 1/4	32	16	1000	161 546 245	161 546 255	0.585	
1 1/2	40	16	1600	161 546 246	161 546 256	0.815	
2	50	16	3100	161 546 247	161 546 257	1.490	
 2 1/2	65	16	5000	161 546 068	161 546 078	4.900	
3	80	16	7000	161 546 249	161 546 259		
4	100	16	11000	161 546 250	161 546 260		

Inch	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
3/8	50	57	27	12	92	77	56	25	32	45	6	67	
1/2	50	57	27	12	95	77	56	25	32	45	6	61	
3/4	58	67	30	12	110	97	65	25	39	58	6	70	
1	68	73	36	12	123	97	71	25	39	58	6	76	
1 1/4	84	90	44	15	146	128	85	45	54	74	8	90	
1 1/2	97	97	51	15	157	128	89	45	54	74	8	94	
2	124	116	64	15	183	152	101	45	66	87	8	107	
 2 1/2	166	149	85	15	233	270	136	70	64	206	8	144	
3	200	161	105	15	254	270	141	70	64	206	8	151	
4	238	178	123	22	301	320	164	120	64	256	12	174	



Ball valve type 546 PVC-U With mounting inserts With backing flanges PVC-U ASTM/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 class 150 (ASTM D 4024), BS EN 1759

Option:

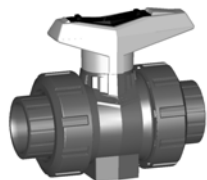
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
2 1/2	65	10	5000	161 546 168	161 546 178	7.300	
3	80	10	7000	161 546 169	161 546 179	10.600	
4	100	10	11000	161 546 170	161 546 180	16.400	

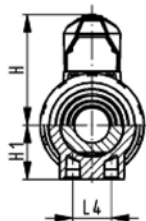
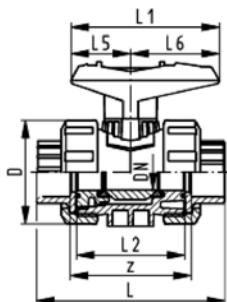
Inch	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	M	
2 1/2	166	140	19	284	270	136	290	70	64	206	149	85	8	
3	200	152	19	300	270	141	310	70	64	206	161	105	8	
4	238	191	19	340	320	164	350	120	64	256	178	123	12	

Ball valves

Ball valve type 546 PVC-U With solvent cement sockets Inch ASTM Inclusive 2 threaded valve ends NPT



DN10/15 - 50



Model:

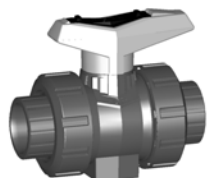
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts
- Threaded valve ends are only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

Option:

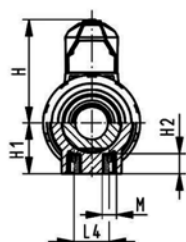
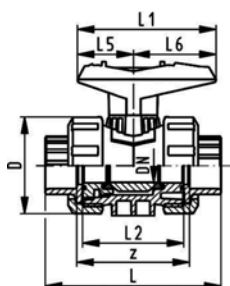
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	16	71	161 546 301	161 546 311	0.180	
1/2	15	16	185	161 546 302	161 546 312	0.190	
3/4	20	16	350	161 546 303	161 546 313	0.290	
1	25	16	700	161 546 304	161 546 314	0.425	
1 1/4	32	16	1000	161 546 305	161 546 315	0.730	
1 1/2	40	16	1600	161 546 306	161 546 316	0.990	
2	50	16	3100	161 546 307	161 546 317	1.775	
 2 1/2	65	16	5000	161 546 308	161 546 318	4.900	
 3	80	16	7000	161 546 309	161 546 319	7.400	
 4	100	16	11000	161 546 310	161 546 320	11.500	

Inch	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	z [mm]	
3/8	50	57	27	105	77	56	25	32	45	67	
1/2	50	57	27	105	77	56	25	32	45	61	
3/4	58	67	30	121	97	65	25	39	58	70	
1	68	73	36	133	97	71	25	39	58	76	
1 1/4	84	90	44	154	128	85	45	54	74	90	
1 1/2	97	97	51	164	128	89	45	54	74	94	
2	124	116	64	183	152	101	45	66	87	107	
 2 1/2	166	149	85	233	270	136	70	64	206	144	
 3	200	161	105	254	270	141	70	64	206	151	
 4	238	178	123	301	320	164	120	64	256	174	



DN10/15 - 50



Ball valve type 546 PVC-U

With mounting inserts

With solvent cement sockets Inch ASTM

Inclusive 2 threaded valve ends NPT

Model:

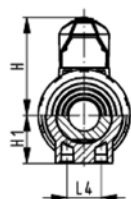
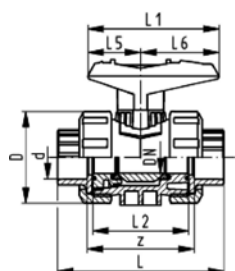
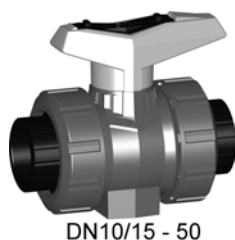
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts
- Threaded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

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	
3/8	10	16	71	161 546 341	161 546 351	0.184	
1/2	15	16	185	161 546 342	161 546 352	0.194	
3/4	20	16	350	161 546 343	161 546 353	0.294	
1	25	16	700	161 546 344	161 546 354	0.429	
1 1/4	32	16	1000	161 546 345	161 546 355	0.740	
1 1/2	40	16	1600	161 546 346	161 546 356	1.000	
2	50	16	3100	161 546 347	161 546 357	1.785	
 2 1/2	65	16	5000	161 546 348	161 546 358	4.900	
 3	80	16	7000	161 546 349	161 546 359	7.400	
 4	100	16	11000	161 546 350	161 546 360	11.500	

Inch	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
3/8	50	57	27	12	105	77	56	25	32	45	6	67	
1/2	50	57	27	12	105	77	56	25	32	45	6	61	
3/4	58	67	30	12	121	97	65	25	39	58	6	70	
1	68	73	36	12	133	97	71	25	39	58	6	76	
1 1/4	84	90	44	15	154	128	85	45	54	74	8	90	
1 1/2	97	97	51	15	164	128	89	45	54	74	8	94	
2	124	116	64	15	183	152	101	45	66	87	8	107	
 2 1/2	166	149	85	15	233	270	136	70	64	206	8	144	
 3	200	161	105	15	254	270	141	70	64	206	8	151	
 4	238	178	123	22	301	320	164	120	64	256	12	174	



Ball valve type 546 PVC-U With fusion sockets PE 100 metric

Model:

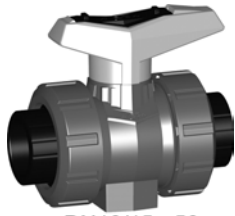
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

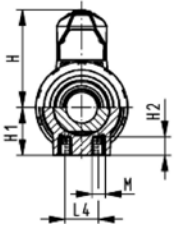
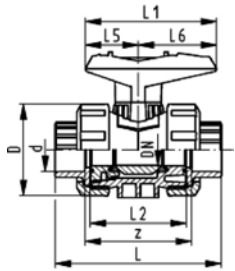
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
16	10	16	71	800 000 101	800 000 111	0.170	
20	15	16	185	800 000 102	800 000 112	0.170	
25	20	16	350	800 000 103	800 000 113	0.240	
32	25	16	700	800 000 104	800 000 114	0.340	
40	32	16	1000	800 000 105	800 000 115	0.610	
50	40	16	1600	800 000 106	800 000 116	0.850	
63	50	16	3100	800 000 107	800 000 117	1.550	

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	108	97	65	25	39	58	77	
32	68	73	36	119	97	71	25	39	58	83	
40	84	90	44	137	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	113	



DN10/15 - 50



Ball valve type 546 PVC-U With mounting inserts With fusion sockets PE 100 metric

Model:

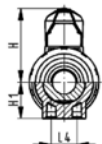
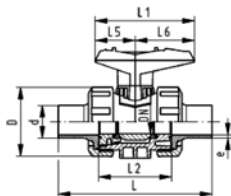
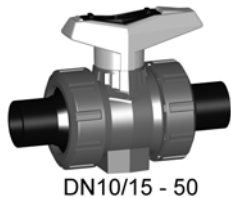
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

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	16	71	161 546 761	161 546 771	0.150	
20	15	16	185	161 546 762	161 546 772	0.150	
25	20	16	350	161 546 763	161 546 773	0.220	
32	25	16	700	161 546 764	161 546 774	0.310	
40	32	16	1000	161 546 765	161 546 775	0.550	
50	40	16	1600	161 546 766	161 546 776	0.750	
63	50	16	3100	161 546 767	161 546 777	1.360	

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	119	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	113	



Ball valve type 546 PVC-U

With butt fusion spigots PE 100 SDR11 metric

Model:

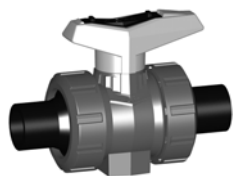
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

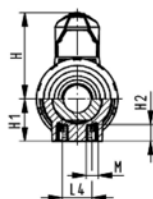
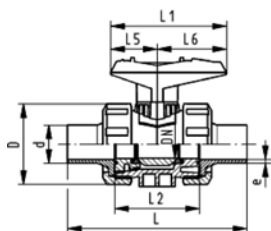
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	16	185	800 000 142	800 000 152	0.160	
25	20	16	350	800 000 143	800 000 153	0.240	
32	25	16	700	800 000 144	800 000 154	0.340	
40	32	16	1000	800 000 145	800 000 155	0.600	
50	40	16	1600	800 000 146	800 000 156	0.830	
63	50	16	3100	800 000 147	800 000 157	1.560	

d [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
20	50	57	27	130	77	56	25	32	45	1,9	
25	58	67	30	134	97	65	25	39	58	2,3	
32	68	73	36	150	97	71	25	39	58	3	
40	84	90	44	171	128	85	45	54	74	3,7	
50	97	97	51	191	128	89	45	54	74	4,6	
63	124	116	64	220	152	101	45	66	87	5,8	



DN10/15 - 50



Ball valve type 546 PVC-U With mounting inserts With butt fusion spigots PE 100 SDR11 metric

Model:

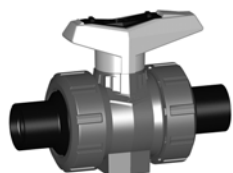
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

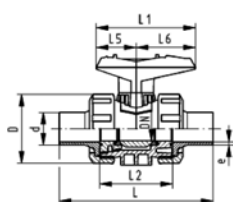
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	16	185	161 546 782	161 546 792	0.150	
25	20	16	350	161 546 783	161 546 793	0.220	
32	25	16	700	161 546 784	161 546 794	0.310	
40	32	16	1000	161 546 785	161 546 795	0.550	
50	40	16	1600	161 546 786	161 546 796	0.750	
63	50	16	3100	161 546 787	161 546 797	1.360	

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	134	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	



DN10/15 - 50



Ball valve type 546 PVC-U With butt fusion spigots PE 100 SDR17.6 metric

Model:

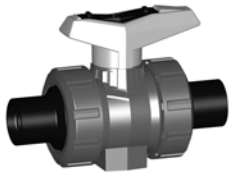
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Without mounting inserts

Option:

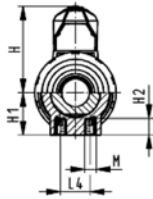
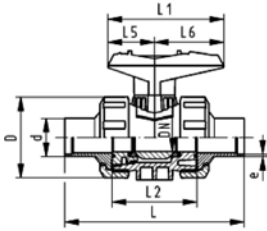
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
40	32	10	1000	800 000 125	800 000 135	0.600	
50	40	10	1600	800 000 126	800 000 136	0.830	
63	50	10	3100	800 000 127	800 000 137	1.560	

d [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
40	84	90	44	171	128	85	45	54	74	2,3	
50	97	97	51	191	128	89	45	54	74	2,9	
63	124	116	64	220	152	101	45	66	87	3,6	



DN10/15 - 50



Ball valve type 546 PVC-U

With mounting inserts

With butt fusion spigots PE 100 SDR17.6 metric

Model:

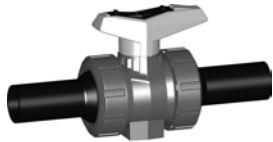
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

Option:

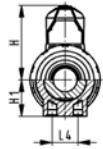
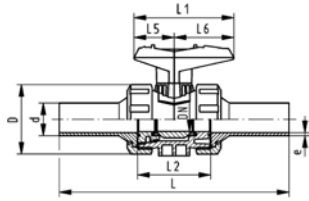
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
40	32	10	1000	161 546 805	161 546 815	0.550	
50	40	10	1600	161 546 806	161 546 816	0.750	
63	50	10	3100	161 546 807	161 546 817	1.360	

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]	
40	84	90	44	15	171	128	85	45	54	74	M8	2,3	
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 PVC-U 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
- Without mounting inserts

Option:

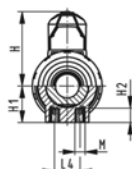
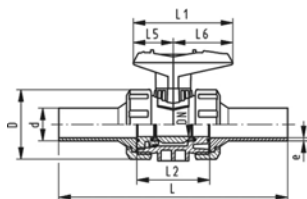
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	16	185	800 000 282	800 000 292	0.170	
25	20	16	350	800 000 283	800 000 293	0.250	
32	25	16	700	800 000 284	800 000 294	0.370	
40	32	16	1000	800 000 285	800 000 295	0.640	
50	40	16	1600	800 000 286	800 000 296	0.910	
63	50	16	3100	800 000 287	800 000 297	1.680	
 75	65	16	5000	800 000 288	800 000 298	5.000	
 90	80	16	7000	800 000 289	800 000 299	7.500	
 110	100	16	11000	800 000 290	800 000 300	11.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	e [mm]	
20	50	57	27	193	77	56	25	32	45	2,25	
25	58	67	30	216	97	65	25	39	58	2,3	
32	68	73	36	223	97	71	25	39	58	3	
40	84	90	44	249	128	85	45	54	74	3,7	
50	97	97	51	271	128	89	45	54	74	4,6	
63	124	116	64	321	152	101	45	66	87	5,8	
 75	166	149	85	386	270	136	70	64	206	6.8	
 90	200	161	105	421	270	141	70	64	206	8.2	
 110	238	178	123	484	320	164	120	64	256	10	



DN10/15 - 50



Ball valve type 546 PVC-U

With mounting inserts

With butt fusion spigots long PE 100 SDR11 metric

Model:

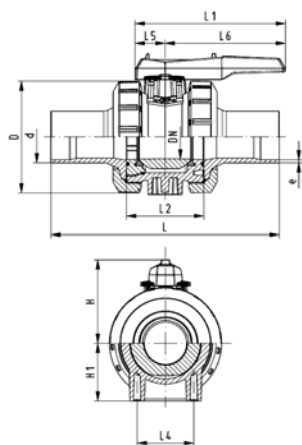
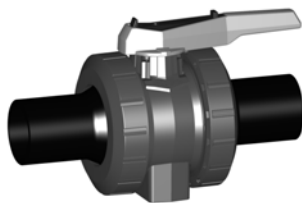
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals PTFE
- Integrated stainless steel mounting inserts

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	16	185	161 546 822	161 546 832	0.150	
25	20	16	350	161 546 823	161 546 833	0.220	
32	25	16	700	161 546 824	161 546 834	0.310	
40	32	16	1000	161 546 825	161 546 835	0.550	
50	40	16	1600	161 546 826	161 546 836	0.750	
63	50	16	3100	161 546 827	161 546 837	1.360	

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	



Ball valve type 546 PVC-U

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
- Without mounting inserts

Option:

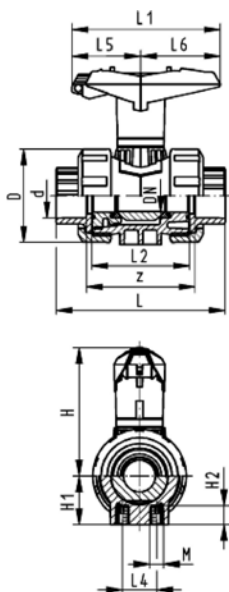
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	16	5000	800 000 218	800 000 228	5.000	
 90	80	16	7000	800 000 219	800 000 229	7.400	
 110	100	16	11000	800 000 220	800 000 230	11.700	

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



DN10/15 - 50



Ball valve type 546 PVC-U

With lockable handle

With solvent cement 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:

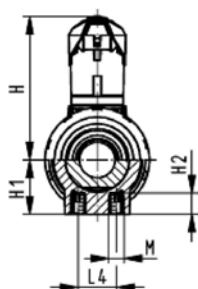
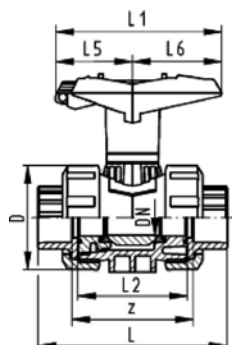
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg							
16	10	16	71	161 546 081	161 546 091	0.165							
20	15	16	185	161 546 082	161 546 092	0.165							
25	20	16	350	161 546 083	161 546 093	0.255							
32	25	16	700	161 546 084	161 546 094	0.355							
40	32	16	1000	161 546 085	161 546 095	0.640							
50	40	16	1600	161 546 086	161 546 096	0.840							
63	50	16	3100	161 546 087	161 546 097	1.500							
75	65	16	5000	161 546 088	161 546 098	5.200							
90	80	16	7000	161 546 089	161 546 099	7.700							
110	100	16	11000	161 546 090	161 546 100	12.000							

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	92	87	56	25	42	45	M6	64		
20	50	79	27	12	95	87	56	25	42	45	M6	64		
25	58	88	30	12	110	108	65	25	50	58	M6	72		
32	68	94	36	12	123	108	71	25	50	58	M6	79		
40	84	113	44	15	146	140	85	45	66	75	M8	94		
50	97	119	51	15	157	140	89	45	66	75	M8	95		
63	124	141	64	15	183	165	101	45	78	87	M8	107		
75	166	224	85	15	233	270	136	70	64	206	M8	144		
90	200	235	105	15	254	270	141	70	64	206	M8	151		
110	238	245	123	22	301	320	164	120	64	256	M12	174		



DN10/15 - 50



Ball valve type 546 PVC-U With lockable handle With solvent cement sockets Inch BS

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:

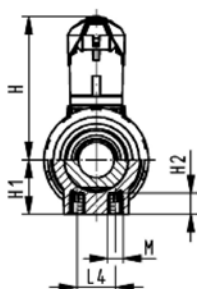
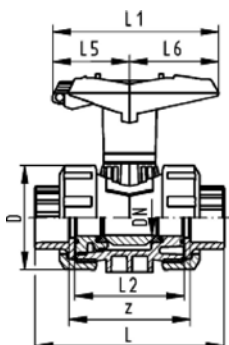
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg						
3/8	10	16	71	161 546 221	161 546 231	0.165						
1/2	15	16	185	161 546 222	161 546 232	0.165						
3/4	20	16	350	161 546 223	161 546 233	0.255						
1	25	16	700	161 546 224	161 546 234	0.355						
1 1/4	32	16	1000	161 546 225	161 546 235	0.625						
1 1/2	40	16	1600	161 546 226	161 546 236	0.855						
2	50	16	3100	161 546 227	161 546 237	1.535						
 2 1/2	65	16	5000	161 546 088	161 546 098	5.200						
 3	80	16	7000	161 546 229	161 546 239	7.700						
 4	100	16	11000	161 546 230	161 546 240	12.000						

Inch	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]		
3/8	50	79	27	12	92	87	56	25	42	45	M6	60		
1/2	50	79	27	12	95	87	56	25	42	45	M6	60		
3/4	58	88	30	12	110	108	65	25	50	58	M6	69		
1	68	94	36	12	123	108	71	25	50	58	M6	75		
1 1/4	84	113	44	15	146	140	85	45	66	75	M8	89		
1 1/2	97	119	51	15	157	140	89	45	66	75	M8	97		
2	124	141	64	15	183	165	101	45	78	87	M8	110		
 2 1/2	166	224	85	15	233	270	136	70	64	206	M8	144		
 3	200	235	105	15	254	270	141	70	64	206	M8	151		
 4	238	245	123	22	301	320	164	120	64	256	M12	174		



DN10/15 - 50



Ball valve type 546 PVC-U

With lockable handle

With solvent cement sockets Inch ASTM

Inclusive 2 threaded valve ends NPT

Model:

- 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
- Lockable hand lever with ratchet settings
- Integrated stainless steel mounting inserts
- Threaded valve ends are only enclosed for DN10/15-50

Option:

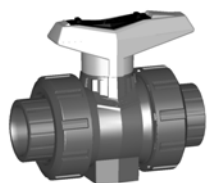
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches
- Pneumatic or electric actuators from +GF+

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	16	71	161 546 361	161 546 371	0.195	
1/2	15	16	185	161 546 362	161 546 372	0.205	
3/4	20	16	350	161 546 363	161 546 373	0.315	
1	25	16	700	161 546 364	161 546 374	0.450	
1 1/4	32	16	1000	161 546 365	161 546 375	0.770	
1 1/2	40	16	1600	161 546 366	161 546 376	1.030	
2	50	16	3100	161 546 367	161 546 377	1.820	
2 1/2	65	16	5000	161 546 368	161 546 378	5.300	
3	80	16	7000	161 546 369	161 546 379	7.700	
4	100	16	11000	161 546 370	161 546 380	11.900	

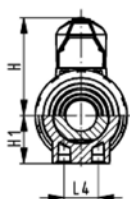
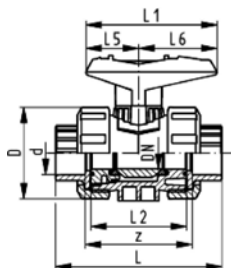
Inch	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
3/8	50	79	27	12	105	87	56	25	42	45	M6	67	
1/2	50	79	27	12	105	87	56	25	42	45	M6	61	
3/4	58	88	30	12	121	108	65	25	50	58	M6	70	
1	68	94	36	12	133	108	71	25	50	58	M6	76	
1 1/4	84	113	44	15	154	140	85	45	66	74	M8	90	
1 1/2	97	119	51	15	164	140	89	45	66	74	M8	94	
2	124	141	64	15	183	165	101	45	78	87	M8	107	
2 1/2	166	224	85	15	233	270	136	70	64	206	M8	144	
3	200	235	105	15	254	270	141	70	64	206	M8	151	
4	238	245	123	22	301	320	164	120	64	256	M12	174	

Ball valves

Ball valve type 546 PVC-U SF With solvent cement sockets metric



DN10/15 - 50



Model:

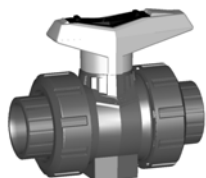
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- With PVDF ball seal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Without mounting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

Option:

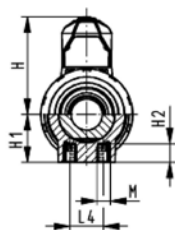
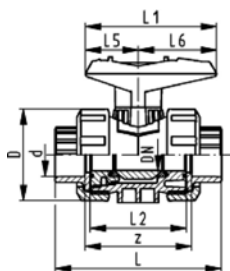
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg					
16	10	16	71	161 546 601	161 546 611	0.150					
20	15	16	185	161 546 602	161 546 612	0.150					
25	20	16	350	161 546 603	161 546 613	0.230					
32	25	16	700	161 546 604	161 546 614	0.330					
40	32	16	1000	161 546 605	161 546 615	0.600					
50	40	16	1600	161 546 606	161 546 616	0.800					
63	50	16	3100	161 546 607	161 546 617	1.460					
75	65	16	5000	161 546 608	161 546 618	4.900					
90	80	16	7000	161 546 609	161 546 619	7.400					
110	100	16	11000	161 546 610	161 546 620	11.600					

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	92	77	56	25	32	45	64		
20	50	57	27	95	77	56	25	32	45	64		
25	58	67	30	110	97	65	25	39	58	72		
32	68	73	36	123	97	71	25	39	58	79		
40	84	90	44	146	128	85	45	54	74	94		
50	97	97	51	157	128	89	45	54	74	95		
63	124	116	64	183	152	101	45	66	87	107		
75	166	149	85	233	270	136	70	64	206	144		
90	200	161	105	254	270	141	70	64	206	151		
110	238	178	123	301	320	164	120	64	256	174		



DN10/15 - 50



Ball valve type 546 PVC-U SF

With mounting inserts

With solvent cement sockets metric

Model:

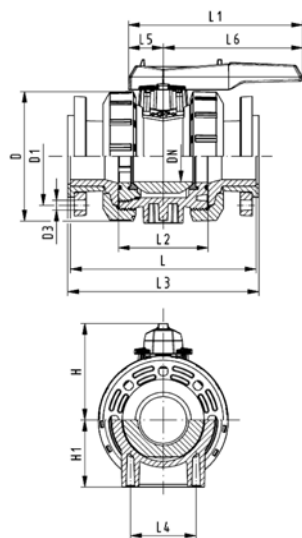
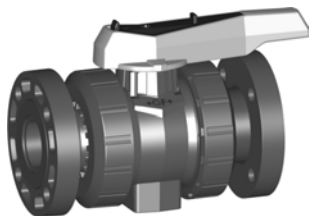
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- With PVDF ball seal
- Integrated stainless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

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	16	71	800 000 601	800 000 611	0.150	
20	15	16	185	800 000 602	800 000 612	0.150	
25	20	16	350	800 000 603	800 000 613	0.230	
32	25	16	700	800 000 604	800 000 614	0.330	
40	32	16	1000	800 000 605	800 000 615	0.600	
50	40	16	1600	800 000 606	800 000 616	0.800	
63	50	16	3100	800 000 607	800 000 617	1.460	
 75	65	16	5000	800 000 608	800 000 618	4.900	
 90	80	16	7000	800 000 609	800 000 619	7.400	
 110	100	16	11000	800 000 610	800 000 620	11.600	

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	92	77	56	25	32	45	M6	64	
20	50	57	27	12	95	77	56	25	32	45	M6	64	
25	58	67	30	12	110	97	65	25	39	58	M6	72	
32	68	73	36	12	123	97	71	25	39	58	M6	79	
40	84	90	44	15	146	128	85	45	54	74	M8	94	
50	97	97	51	15	157	128	89	45	54	74	M8	95	
63	124	116	64	15	183	152	101	45	66	87	M8	107	
 75	166	149	85	15	233	270	136	70	64	206	M8	144	
 90	200	161	105	15	254	270	141	70	64	206	M8	151	
 110	238	178	123	22	301	320	164	120	64	256	M12	174	



Ball valve type 546 PVC-U SF

With mounting inserts

With backing flanges PVC-U 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)
- With PVDF ball seal
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimension: ISO 7005 PN10, EN 1092 PN10, DIN 2501 PN10

Option:

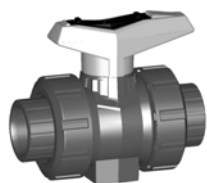
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	161 546 128	161 546 138	7.200	
 90	80	10	7000	161 546 129	161 546 139	10.600	
 110	100	10	11000	161 546 130	161 546 140	16.500	

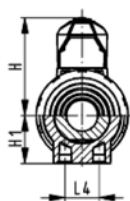
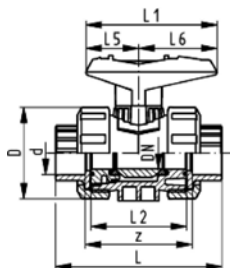
d [mm]	D [mm]	D1 [mm]	D3 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	H [mm]	H1 [mm]	M	
 75	166	145	18	284	270	136	290	70	64	206	149	85	8	
 90	200	160	18	300	270	141	310	70	64	206	161	105	8	
 110	238	180	18	340	320	164	350	120	64	256	178	123	12	

Ball valves

Ball valve type 546 PVC-U SF With solvent cement sockets Inch ASTM



DN10/15 - 50



Model:

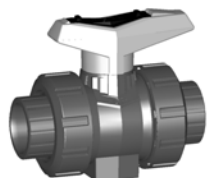
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals: Inch ASTM in PTFE
- Without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

Option:

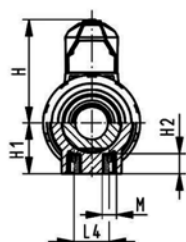
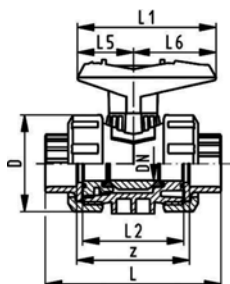
- Individual configuration of the valve (see form)
- Multifunctional module with integrated limit switches

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	16	71	161 546 681	161 546 691	0.155	
1/2	15	16	185	161 546 682	161 546 692	0.155	
3/4	20	16	350	161 546 683	161 546 693	0.240	
1	25	16	700	161 546 684	161 546 694	0.340	
1 1/4	32	16	1000	161 546 685	161 546 695	0.605	
1 1/2	40	16	1600	161 546 686	161 546 696	0.805	
2	50	16	3100	161 546 687	161 546 697	1.460	
2 1/2	65	16	5000	161 546 688	161 546 698	4.900	
3	80	16	7000	161 546 689	161 546 699	7.400	
4	100	16	11000	161 546 690	161 546 700	11.500	

Inch	D [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	z [mm]	
3/8	50	57	27	105	77	56	25	32	45	67	
1/2	50	57	27	105	77	56	25	32	45	61	
3/4	58	67	30	121	97	65	25	39	58	70	
1	68	73	36	133	97	71	25	39	58	76	
1 1/4	84	90	44	154	128	85	45	54	74	90	
1 1/2	97	97	51	164	128	89	45	54	74	94	
2	124	116	64	183	152	101	45	66	87	107	
2 1/2	166	149	85	233	270	136	70	64	206	144	
3	200	161	105	254	270	141	70	64	206	151	
4	238	178	123	301	320	164	120	64	256	174	



DN10/15 - 50



Ball valve type 546 PVC-U SF

With mounting inserts

With solvent cement sockets Inch ASTM

Model:

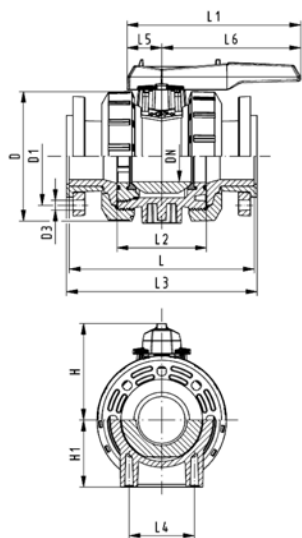
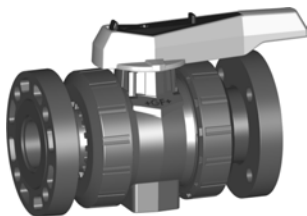
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Silicon-free / paint-compatible
- For easy installation and removal
- z-dimension, valve end and valve nut are **not compatible** with type 346 (DN10/15-50) resp. type 370 (DN65-100)
- Ball seals: Inch ASTM in PTFE
- Integrated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

Option:

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

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	16	71	161 546 841	161 546 851	0.159	
1/2	15	16	185	161 546 842	161 546 852	0.159	
3/4	20	16	350	161 546 843	161 546 853	0.244	
1	25	16	700	161 546 844	161 546 854	0.344	
1 1/4	32	16	1000	161 546 845	161 546 855	0.615	
1 1/2	40	16	1600	161 546 846	161 546 856	0.815	
2	50	16	3100	161 546 847	161 546 857	1.470	
 2 1/2	65	16	5000	161 546 848	161 546 858	4.900	
 3	80	16	7000	161 546 849	161 546 859	7.400	
 4	100	16	11000	161 546 850	161 546 860	11.500	

Inch	D [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	M	z [mm]	
3/8	50	57	27	12	105	77	56	25	32	45	M6	67	
1/2	50	57	27	12	105	77	56	25	32	45	M6	61	
3/4	58	67	30	12	121	97	65	25	39	58	M6	70	
1	68	73	36	12	133	97	71	25	39	58	M6	76	
1 1/4	84	90	44	16	154	128	85	45	54	74	M8	90	
1 1/2	97	97	51	16	164	128	89	45	54	74	M8	94	
2	124	116	64	16	183	152	101	45	66	87	M8	107	
 2 1/2	166	149	85	15	233	270	136	70	64	206	M8	144	
 3	200	161	105	15	254	270	141	70	64	206	M8	151	
 4	238	178	123	22	301	320	164	120	64	256	M12	174	



Ball valve type 546 PVC-U SF

With mounting inserts

With backing flanges PVC-U ASTM/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)
- Ball seals: Inch ASTM in PTFE
- Integrated stainless steel mounting inserts
- Overall length according to EN 558-1
- Connecting dimension: ANSI/ASME B 16.5 class 150 (ASTM D 4024), BS EN 1759

Option:

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

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 2 1/2	65	10	5000	161 546 188	161 546 198	7.300								
 3	80	10	7000	161 546 189	161 546 199	10.600								
 4	100	10	11000	161 546 190	161 546 200	16.400								

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	284	270	136	290	70	64	206	149	85	8	
 3	200	152	19	300	270	141	310	70	64	206	161	105	8	
 4	238	191	19	340	320	164	350	120	64	256	178	123	12	

Copiable

Configurator GF Ball Valve Type 546 PVC-U

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 put together a selection menu for you (the maximum working pressure of the whole valve is determined by the maximum permissible nominal pressure of the connecting part).

Ball valve
A01 Ball valve 546

Material
B01 PVC-U

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 for inch ASTM (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
G01 PVC-U Cement socket metric
G03 PVC-U Cement socket inch ASTM
G04 PVC-U Cement socket inch BS
G05 PVC-U Cement spigot metric
G06 PVC-U Threaded socket Rp
G07 PVC-U Threaded socket Rp reinforced (DN10-50)
G09 PVC-U Threaded socket NPT
G30 PP-H Fusion socket metric
G32 PP-H Socket fusion spigot metric
G33 PP-H Threaded socket Rp
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)
G37 PP-H Butt fusion spigot long SDR11 metric
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)
G60 Fixed flange PVC-U serrated metric
G61 Fixed flange PVC-U flat metric
G70 Backing flange PVC-U metric
G71 Backing flange PVC-U inch ANSI
G72 Backing flange PP-steel metric
G73 Backing flange PP-steel ANSI
G78 Backing flange PVC-U JIS (DN65-100)
G80 PVC-U Valve end blank

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

Handle
K01 Standard handle red
K02 Standard handle black
K11 Multi-functional handle red

Mounting plate
L01 without mounting plate
L02 with mounting plate

A01	B01	C	D	E	F	G	G	I	K	L
-----	-----	---	---	---	---	---	---	---	---	---

left right

Find the fitting solution with the Configurator

Ball valve

A01 Ball valve 546

Material

B01 PVC-U

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 for inch ASTM (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

G01 PVC-U Cement socket metric

G03 PVC-U Cement socket inch ASTM

G04 PVC-U Cement socket inch BS

G05 PVC-U Cement spigot metric

G06 PVC-U Threaded socket Rp

G07 PVC-U Threaded socket Rp reinforced (DN10-50)

G09 PVC-U Threaded socket NPT

G30 PP-H Fusion socket metric

G32 PP-H Socket fusion spigot metric

G33 PP-H Threaded socket Rp

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)

G37 PP-H Butt fusion spigot long SDR11 metric

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)

G60 Fixed flange PVC-U serrated metric

G61 Fixed flange PVC-U flat metric

G70 Backing flange PVC-U metric

G71 Backing flange PVC-U inch ANSI

G72 Backing flange PP-steel metric

G73 Backing flange PP-steel ANSI

G78 Backing flange PVC-U JIS (DN65-100)

G80 PVC-U Valve end blank

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

Handle

K01 Standard handle red

K02 Standard handle black

K11 Multi-functional handle red

Mounting plate

L01 without mounting plate

L02 with mounting plate

A01 B01 C09 D01 E01 F02 G01 G43 I01 K01 L02 =

left right

Example:

Type 546 PVC-U, dimension DN 32,
PTFE ball seal, EPDM seals,
with threaded inserts and mounting plate,
connecting part left: PVC-U cement socket metric,
right: PE-100 butt fusion spigot lang SDR11 metric
That's all it takes to configure your ball valve.



DN10/15 - 50

Ball valves electric

Ball valve type 107 PVC-U 100-230V With manual emergency override With solvent cement sockets metric

Model:

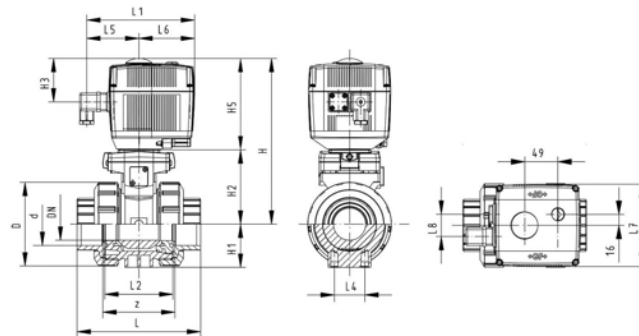
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time 5 s/90°<

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	199 107 002	199 107 012	2.072	
20	15	10	185	199 107 003	199 107 013	2.072	
25	20	10	350	199 107 004	199 107 014	2.189	
32	25	10	700	199 107 005	199 107 015	2.189	
40	32	10	1000	199 107 006	199 107 016	2.592	
50	40	10	1600	199 107 007	199 107 017	2.914	
63	50	10	3100	199 107 008	199 107 018	2.914	

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	92	161	56	25	77	83	122	33	64
20	50	200	27	64	64	137	95	161	56	25	77	83	122	33	64
25	58	209	30	73	64	137	110	161	65	25	77	83	122	33	72
32	68	209	36	73	64	137	123	161	71	25	77	83	122	33	79
40	84	220	44	84	64	137	146	161	85	45	77	83	122	33	94
50	97	220	51	84	64	137	157	161	89	45	77	83	122	33	95
63	124	243	64	106	64	137	183	161	101	45	77	83	122	33	107





DN10/15 - 50

Ball valve type 107 PVC-U 24V

With manual emergency override

With solvent cement sockets metric

Model:

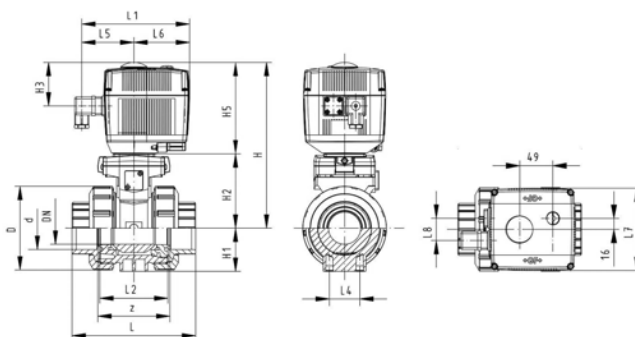
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)

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	199 107 042	199 107 052	2.072
20	15	10	185	199 107 043	199 107 053	2.072
25	20	10	350	199 107 044	199 107 054	2.189
32	25	10	700	199 107 045	199 107 055	2.189
40	32	10	1000	199 107 046	199 107 056	2.592
50	40	10	1600	199 107 047	199 107 057	2.914
63	50	10	3100	199 107 048	199 107 058	3.772

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	92	161	56	25	77	83	122	33	64
20	50	200	27	64	64	137	95	161	56	25	77	83	122	33	64
25	58	209	30	73	64	137	110	161	65	25	77	83	122	33	72
32	68	209	36	73	64	137	123	161	71	25	77	83	122	33	79
40	84	220	44	84	64	137	146	161	85	45	77	83	122	33	94
50	97	220	51	84	64	137	157	161	89	45	77	83	122	33	95
63	124	243	64	106	64	137	183	161	101	45	77	83	122	33	107





DN10/15 - 50

Ball valve type 107 PVC-U 100-230V With manual emergency override With solvent cement spigots metric

Model:

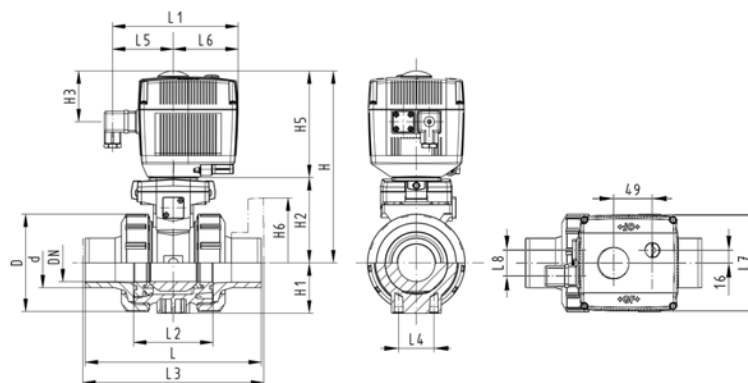
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time 5 s/90°<

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	199 107 022	199 107 032	2.072	
20	15	10	185	199 107 023	199 107 033	2.072	
25	20	10	350	199 107 024	199 107 034	2.189	
32	25	10	700	199 107 025	199 107 035	2.189	
40	32	10	1000	199 107 026	199 107 036	2.592	
50	40	10	1600	199 107 027	199 107 037	2.914	
63	50	10	3100	199 107 028	199 107 038	3.772	

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	114	161	56	130	25	77	83	122	33	
20	50	200	27	64	64	137	124	161	56	130	25	77	83	122	33	
25	58	209	30	73	64	137	144	161	65	150	25	77	83	122	33	
32	68	209	36	73	64	137	154	161	71	160	25	77	83	122	33	
40	84	220	44	84	64	137	174	161	85	180	45	77	83	122	33	
50	97	220	51	84	64	137	194	161	89	200	45	77	83	122	33	
63	124	243	64	106	64	137	224	161	101	230	45	77	83	122	33	





DN10/15 - 50

Ball valve type 107 PVC-U 24V With manual emergency override With solvent cement spigots metric

Model:

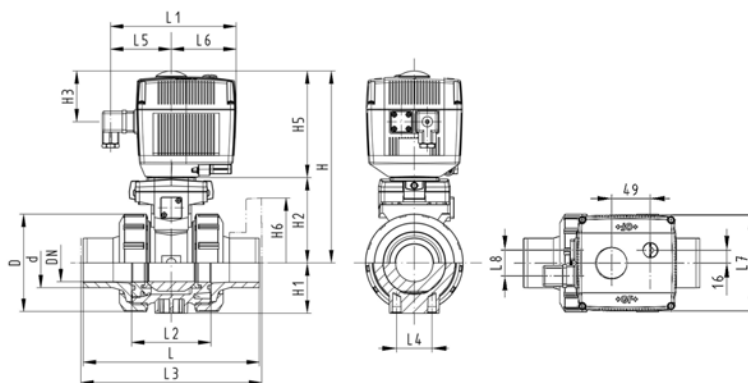
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time 5 s/90°<

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	199 107 062	199 107 072	2.072	
20	15	10	185	199 107 063	199 107 073	1.830	
25	20	10	350	199 107 064	199 107 074	2.189	
32	25	10	700	199 107 065	199 107 075	2.189	
40	32	10	1000	199 107 066	199 107 076	2.592	
50	40	10	1600	199 107 067	199 107 077	2.914	
63	50	10	3100	199 107 068	199 107 078	3.772	

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	114	161	56	130	25	77	83	122	33
20	50	200	27	64	64	137	124	161	56	130	25	77	83	122	33
25	58	209	30	73	64	137	144	161	65	150	25	77	83	122	33
32	68	209	36	73	64	137	154	161	71	160	25	77	83	122	33
40	84	220	44	84	64	137	174	161	85	180	45	77	83	122	33
50	97	220	51	84	64	137	194	161	89	200	45	77	83	122	33
63	124	243	64	106	64	137	224	161	101	230	45	77	83	122	33





DN10/15 - 50

Ball valve type 107 PVC-U 100-230V With manual emergency override With threaded sockets Rp

Model:

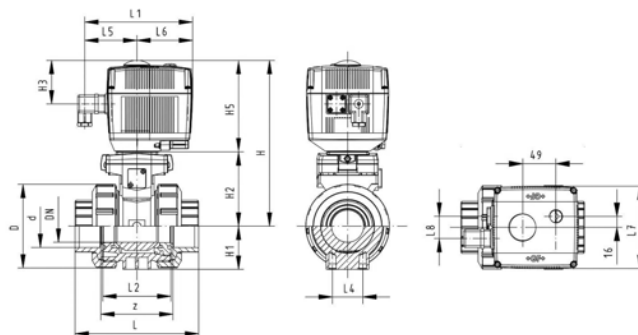
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time 5 s/90°<

Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 107 622	199 107 632	2.100										
1/2	15	10	185	199 107 623	199 107 633	2.100										
3/4	20	10	350	199 107 624	199 107 634	2.200										
1	25	10	700	199 107 625	199 107 635	2.300										
1 1/4	32	10	1000	199 107 626	199 107 636	2.600										
1 1/2	40	10	1600	199 107 627	199 107 637	3.000										
2	50	10	3100	199 107 628	199 107 638	3.800										

Rp [inch]	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]
3/8	50	200	27	64	64	137	92	161	56	25	77	83	122	33	64
1/2	50	200	27	64	64	137	95	161	56	25	77	83	122	33	64
3/4	58	209	30	73	64	137	110	161	65	25	77	83	122	33	72
1	68	209	36	73	64	137	123	161	71	25	77	83	122	33	79
1 1/4	84	220	44	84	64	137	146	161	85	45	77	83	122	33	94
1 1/2	97	220	51	84	64	137	157	161	89	45	77	83	122	33	95
2	124	243	64	106	64	137	183	161	101	45	77	83	122	33	107





DN10/15 - 50

Ball valve type 107 PVC-U 24V With manual emergency override With threaded sockets Rp

Model:

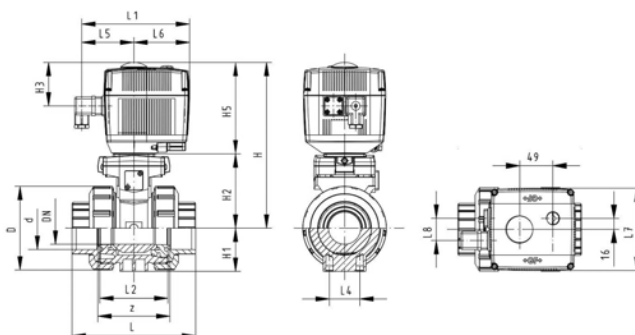
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)

Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 107 662	199 107 672	2.100										
1/2	15	10	185	199 107 663	199 107 673	2.100										
3/4	20	10	350	199 107 664	199 107 674	2.200										
1	25	10	700	199 107 665	199 107 675	2.300										
1 1/4	32	10	1000	199 107 666	199 107 676	2.600										
1 1/2	40	10	1600	199 107 667	199 107 677	3.000										
2	50	10	3100	199 107 668	199 107 678	3.800										

Rp [inch]	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]
3/8	50	200	27	64	64	137	92	161	56	25	77	83	122	33	64
1/2	50	200	27	64	64	137	95	161	56	25	77	83	122	33	64
3/4	58	209	30	73	64	137	110	161	65	25	77	83	122	33	72
1	68	209	36	73	64	137	123	161	71	25	77	83	122	33	79
1 1/4	84	220	44	84	64	137	146	161	85	45	77	83	122	33	94
1 1/2	97	220	51	84	64	137	157	161	89	45	77	83	122	33	95
2	124	243	64	106	64	137	183	161	101	45	77	83	122	33	107





Ball valve type 107 PVC-U 100-230V With manual emergency override With fixed flanges serrated metric

Model:

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

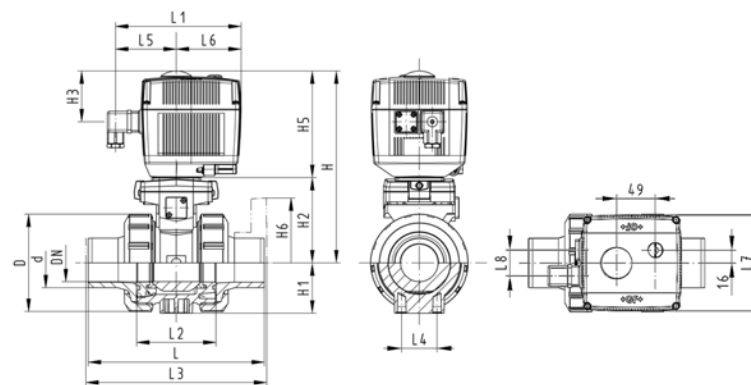
Option:

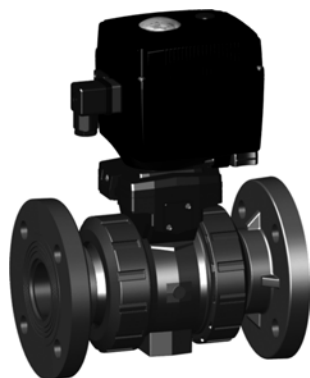
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
20	15	½	10	185	199 107 603	199 107 613	2.300								
25	20	¾	10	350	199 107 604	199 107 614	2.500								
32	25	1	10	700	199 107 605	199 107 615	2.700								
40	32	1 ¼	10	1000	199 107 606	199 107 616	3.200								
50	40	1 ½	10	1600	199 107 607	199 107 617	3.700								
63	50	2	10	3100	199 107 608	199 107 618	4.776								

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	201	27	64	65	138	48	124	160	56	130	25	77	83	122
25	58	210	30	73	65	138	53	144	160	65	150	25	77	83	122
32	68	210	36	73	65	138	58	154	160	71	160	25	77	83	122
40	84	221	44	84	65	138	70	174	160	85	180	45	77	83	122
50	97	221	51	84	65	138	75	194	160	89	200	45	77	83	122
63	124	244	64	106	65	138	83	224	160	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 PVC-U 24V With manual emergency override With fixed flanges serrated metric

Model:

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

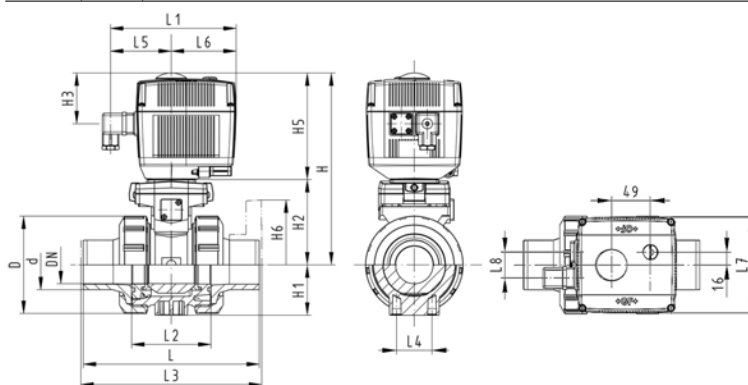
Option:

- 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	199 107 643	199 107 653	2.300	
25	20	¾	10	350	199 107 644	199 107 654	2.500	
32	25	1	10	700	199 107 645	199 107 655	2.700	
40	32	1 ¼	10	1000	199 107 646	199 107 656	3.200	
50	40	1 ½	10	1600	199 107 647	199 107 657	3.700	
63	50	2	10	3100	199 107 648	199 107 658	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	201	27	64	65	138	48	124	160	56	130	25	77	83	122	
25	58	210	30	73	65	138	53	144	160	65	150	25	77	83	122	
32	68	210	36	73	65	138	58	154	160	71	160	25	77	83	122	
40	84	221	44	84	65	138	70	174	160	85	180	45	77	83	122	
50	97	221	51	84	65	138	75	194	160	89	200	45	77	83	122	
63	124	244	64	106	65	138	83	224	160	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 PVC-U 100-230V With manual emergency override With solvent cement sockets Inch BS

Model:

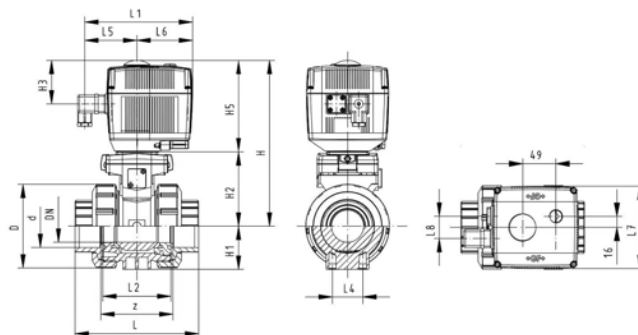
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time 5 s/90°<

Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 107 402	199 107 412	2.100										
1/2	15	10	185	199 107 403	199 107 413	2.100										
3/4	20	10	350	199 107 404	199 107 414	2.200										
1	25	10	700	199 107 405	199 107 415	2.300										
1 1/4	32	10	1000	199 107 406	199 107 416	2.600										
1 1/2	40	10	1600	199 107 407	199 107 417	3.000										
2	50	10	3100	199 107 408	199 107 418	3.800										

Inch	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]
3/8	50	200	27	64	64	137	92	161	56	25	79	1	122	67	60
1/2	50	200	27	64	64	137	95	161	56	25	79	83	122	67	60
3/4	58	209	30	73	64	137	110	161	65	25	79	83	122	67	69
1	68	209	36	73	64	137	123	161	71	25	79	83	122	67	75
1 1/4	84	220	44	84	64	137	146	161	85	45	79	83	122	67	89
1 1/2	97	220	51	84	64	137	157	161	89	45	79	83	122	67	97
2	124	243	64	106	64	137	183	161	101	45	79	83	122	67	110





DN10/15 - 50

Ball valve type 107 PVC-U 24V With manual emergency override With solvent cement sockets Inch BS

Model:

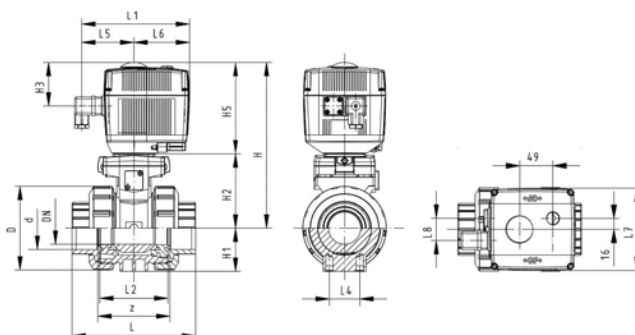
- Built on with electric actuator EA11
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)

Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 107 442	199 107 452	2.100										
1/2	15	10	185	199 107 443	199 107 453	2.100										
3/4	20	10	350	199 107 444	199 107 454	2.200										
1	25	10	700	199 107 445	199 107 455	2.300										
1 1/4	32	10	1000	199 107 446	199 107 456	2.600										
1 1/2	40	10	1600	199 107 447	199 107 457	3.000										
2	50	10	3100	199 107 448	199 107 458	3.800										

Inch	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]
3/8	50	200	27	64	64	137	92	161	56	25	79	83	122	67	60
1/2	50	200	27	64	64	137	95	161	56	25	79	83	122	67	60
3/4	58	209	30	73	64	137	110	161	65	25	79	83	122	67	69
1	68	209	36	73	64	137	123	161	71	25	79	83	122	67	75
1 1/4	84	220	44	84	64	137	146	161	85	45	79	83	122	67	89
1 1/2	97	220	51	84	64	137	157	161	89	45	79	83	122	67	97
2	124	243	64	106	64	137	183	161	101	45	79	83	122	67	110





DN10/15 - 50

Ball valve type 130 PVC-U 100-230V With manual emergency override With solvent cement sockets metric

Model:

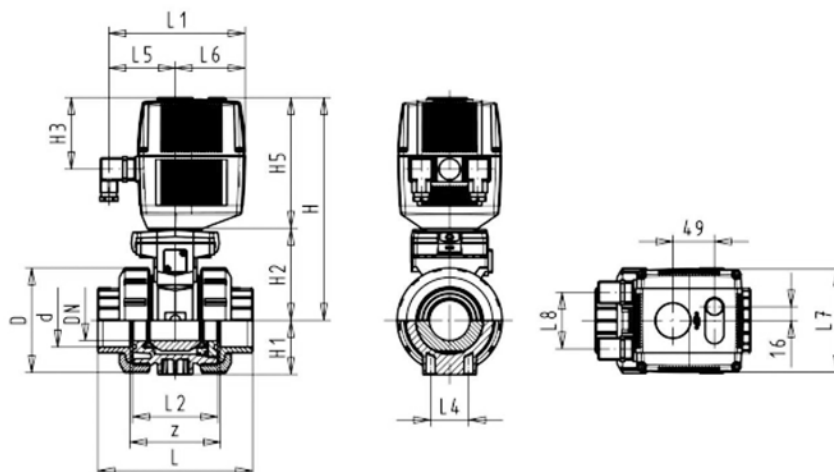
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

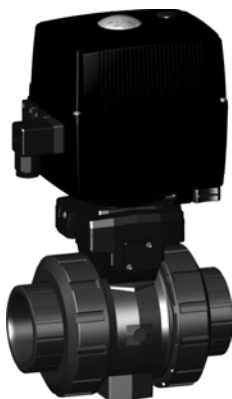
Option:

- 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	199 130 002	199 130 012	2.100	
20	15	10	185	199 130 003	199 130 013	2.100	
25	20	10	350	199 130 004	199 130 014	2.200	
32	25	10	700	199 130 005	199 130 015	2.300	
40	32	10	1000	199 130 006	199 130 016	2.600	
50	40	10	1600	199 130 007	199 130 017	3.000	
63	50	10	3100	199 130 008	199 130 018	3.800	
 75	65	10	5000	199 130 009	199 130 019	3.900	
 90	80	10	7000	199 130 010	199 130 020	4.800	
 110	100	10	11000	199 130 011	199 130 021	6.300	

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	92	180	56	25	97	83	122	64
20	50	231	27	64	94	167	95	180	56	25	97	83	122	64
25	58	240	30	73	94	167	110	180	65	25	97	83	122	72
32	68	240	36	73	94	167	123	180	71	25	97	83	122	79
40	84	251	44	84	94	167	146	180	85	45	97	83	122	94
50	97	251	51	84	94	167	157	180	89	45	97	83	122	95
63	124	273	64	106	94	167	183	180	101	45	97	83	122	107
 75	166	346	85	156	94	190	233	180	136	70	98	83	122	144
 90	200	358	105	168	94	190	254	180	141	70	98	83	122	151
 110	238	365	123	175	94	190	301	180	164	120	98	83	122	174





DN10/15 - 50

Ball valve type 130 PVC-U 24V

With manual emergency override

With solvent cement sockets metric

Model:

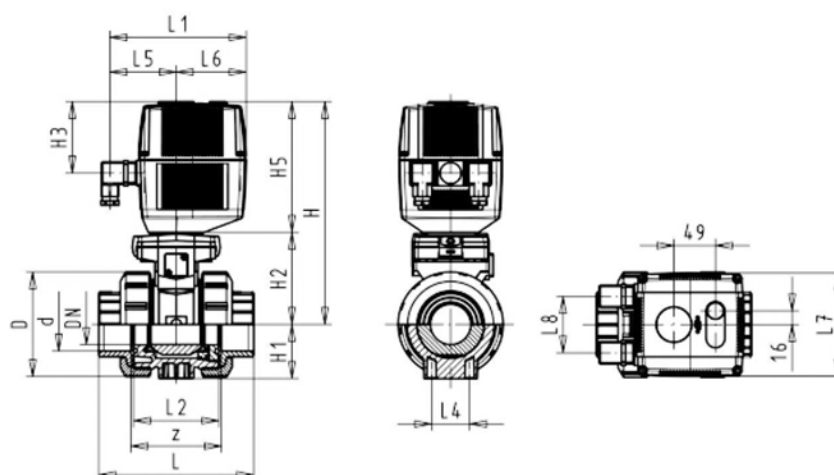
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, 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	199 130 042	199 130 052	2.100	
20	15	10	185	199 130 043	199 130 053	2.100	
25	20	10	350	199 130 044	199 130 054	2.200	
32	25	10	700	199 130 045	199 130 055	2.300	
40	32	10	1000	199 130 046	199 130 056	2.600	
50	40	10	1600	199 130 047	199 130 057	3.000	
63	50	10	3100	199 130 048	199 130 058	3.800	
 75	65	10	5000	199 130 049	199 130 059	3.900	
 90	80	10	7000	199 130 050	199 130 060	4.800	
 110	100	10	11000	199 130 051	199 130 061	6.300	

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	92	180	56	25	97	83	122	64	
20	50	231	27	64	94	167	95	180	56	25	97	83	122	64	
25	58	240	30	73	94	167	110	180	65	25	97	83	122	72	
32	68	240	36	73	94	167	123	180	71	25	97	83	122	79	
40	84	251	44	84	94	167	146	180	85	45	97	83	122	94	
50	97	251	51	84	94	167	157	180	89	45	97	83	122	95	
63	124	273	64	106	94	167	183	180	101	45	97	83	122	107	
 75	166	347	85	156	94	190	233	180	136	70	98	83	122	144	
 90	200	358	105	168	94	190	254	180	141	70	98	83	122	151	
 110	238	365	123	175	94	190	301	180	164	120	98	83	122	174	





DN10/15 - 50

Ball valve type 130 PVC-U 100-230V

With manual emergency override

With solvent cement spigots metric

Model:

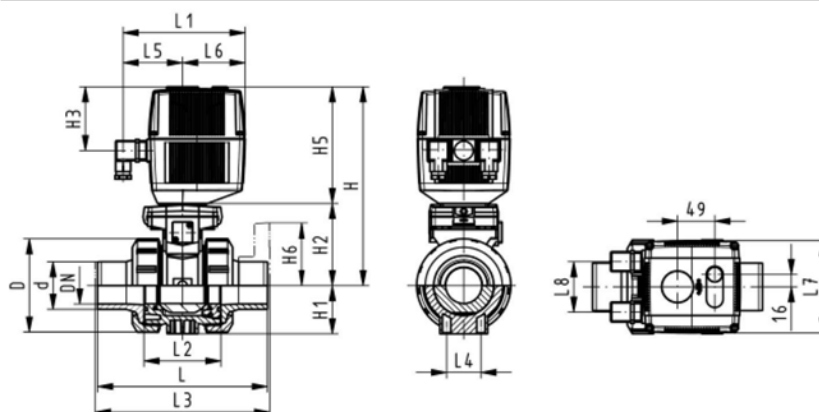
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

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	199 130 022	199 130 032	2.100	
20	15	10	185	199 130 023	199 130 033	2.100	
25	20	10	350	199 130 024	199 130 034	2.200	
32	25	10	700	199 130 025	199 130 035	2.300	
40	32	10	1000	199 130 026	199 130 036	2.600	
50	40	10	1600	199 130 027	199 130 037	3.000	
63	50	10	3100	199 130 028	199 130 038	3.800	
 75	65	10	5000	199 130 029	199 130 039	4.000	
 90	80	10	7000	199 130 030	199 130 040	5.000	
 110	100	10	11000	199 130 031	199 130 041	6.500	

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	114	180	56	130	25	97	83	122	
20	50	231	27	64	94	167	124	180	56	130	25	97	83	122	
25	58	240	30	73	94	167	144	180	65	150	25	97	83	122	
32	68	240	36	73	94	167	154	180	71	160	25	97	83	122	
40	84	251	44	84	94	167	174	180	85	180	45	97	83	122	
50	97	251	51	84	94	167	194	180	89	200	45	97	83	122	
63	124	273	64	106	94	167	224	180	101	230	45	97	83	122	
 75	166	346	85	156	94	190	284	180	136	290	70	98	83	122	
 90	200	358	105	168	94	190	300	180	141	310	70	98	83	122	
 110	238	365	123	175	94	190	340	180	164	350	120	98	83	122	





DN10/15 - 50

Ball valve type 130 PVC-U 24V

With manual emergency override

With solvent cement spigots metric

Model:

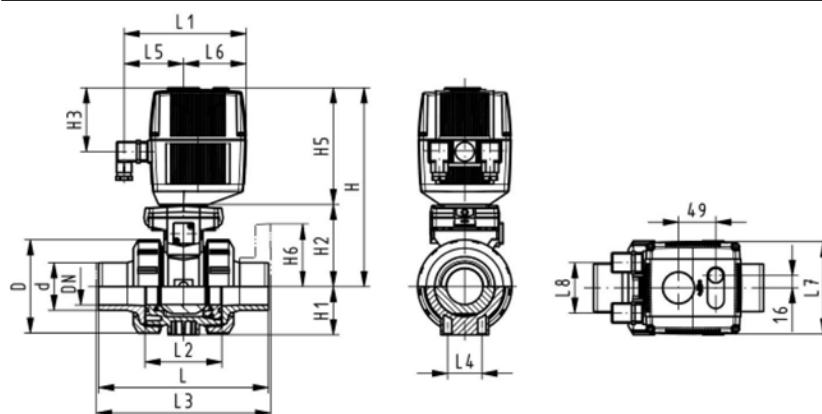
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°<, 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	199 130 062	199 130 072	2.100	
20	15	10	185	199 130 063	199 130 073	2.100	
25	20	10	350	199 130 064	199 130 074	2.200	
32	25	10	700	199 130 065	199 130 075	2.300	
40	32	10	1000	199 130 066	199 130 076	2.600	
50	40	10	1600	199 130 067	199 130 077	3.000	
63	50	10	3100	199 130 068	199 130 078	3.800	
 75	65	10	5000	199 130 069	199 130 079	4.000	
 90	80	10	7000	199 130 070	199 130 080	5.000	
 110	100	10	11000	199 130 071	199 130 081	6.500	

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	114	180	56	130	25	97	83	122	
20	50	231	27	64	94	167	124	180	56	130	25	97	83	122	
25	58	240	30	73	94	167	144	180	65	150	25	97	83	122	
32	68	240	36	73	94	167	154	180	71	160	25	97	83	122	
40	84	251	44	84	94	167	174	180	85	180	45	97	83	122	
50	97	251	51	84	94	167	194	180	89	200	45	97	83	122	
63	124	273	64	106	94	167	224	180	101	230	45	97	83	122	
 75	166	346	85	156	94	190	284	180	136	290	70	98	83	122	
 90	200	358	105	168	94	190	300	180	141	310	70	98	83	122	
 110	238	365	123	175	94	190	340	180	164	350	120	98	83	122	





DN10/15 - 50

Ball valve type 130 PVC-U 100-230V

With manual emergency override

With threaded sockets Rp

Model:

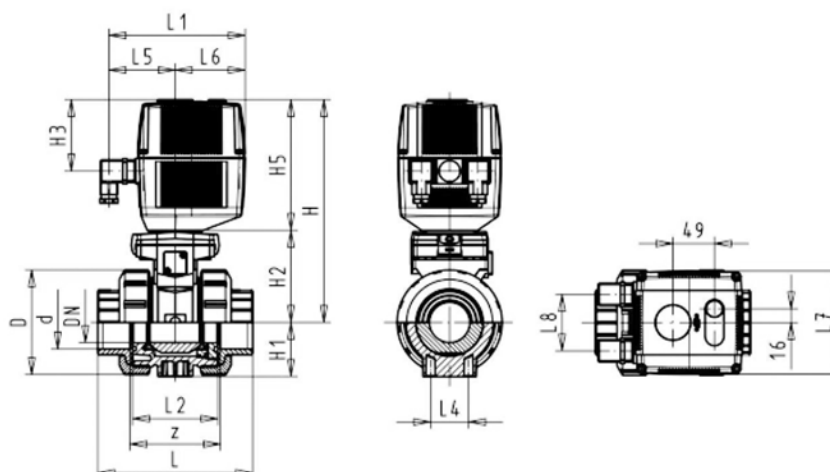
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: 5s/90°<, EA31: 15s/90°<

Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg									
3/8	10	10	70	199 130 122	199 130 132	2.100									
1/2	15	10	185	199 130 123	199 130 133	2.100									
3/4	20	10	350	199 130 124	199 130 134	2.200									
1	25	10	700	199 130 125	199 130 135	2.300									
1 1/4	32	10	1000	199 130 126	199 130 136	2.600									
1 1/2	40	10	1600	199 130 127	199 130 137	3.000									
2	50	10	3100	199 130 128	199 130 138	3.800									
 2 1/2	65	10	5000	199 130 129	199 130 139	3.900									
 3	80	10	7000	199 130 130	199 130 140	4.900									
 4	100	10	11000	199 130 131	199 130 141	6.300									

Rp [inch]	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]
3/8	50	231	27	64	94	167	92	180	56	25	97	83	122	64
1/2	50	231	27	64	94	167	95	180	56	25	97	83	122	64
3/4	58	240	30	73	94	167	110	180	65	25	97	83	122	72
1	68	240	36	73	94	167	123	180	71	25	97	83	122	79
1 1/4	84	251	44	84	94	167	146	180	85	45	97	83	122	94
1 1/2	97	251	51	84	94	167	157	180	89	45	97	83	122	95
2	124	273	64	106	94	167	183	180	101	45	97	83	122	107
 2 1/2	166	346	85	156	94	190	233	180	136	70	98	83	122	144
 3	200	358	105	168	94	190	254	180	141	70	98	83	122	151
 4	238	365	123	175	94	190	301	180	164	120	98	83	122	174





DN10/15 - 50

Ball valve type 130 PVC-U 24V

With manual emergency override

With threaded sockets Rp

Model:

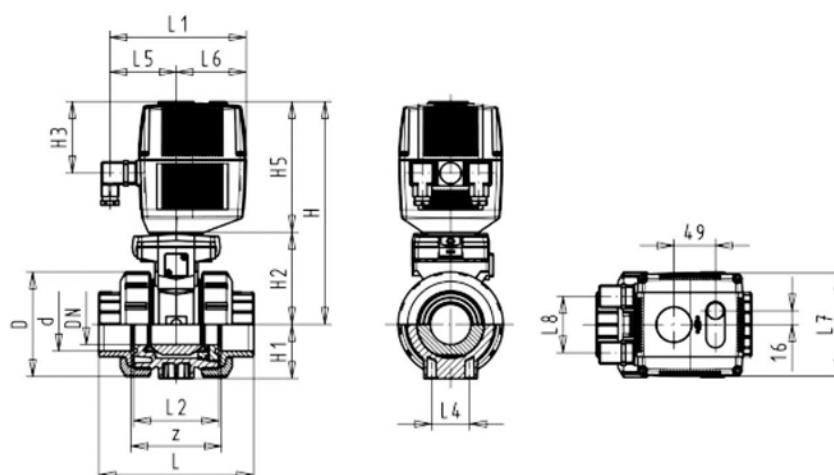
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°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

Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 130 162	199 130 172	2.100	
1/2	15	10	185	199 130 163	199 130 173	2.100	
3/4	20	10	350	199 130 164	199 130 174	2.200	
1	25	10	700	199 130 165	199 130 175	2.300	
1 1/4	32	10	1000	199 130 166	199 130 176	2.600	
1 1/2	40	10	1600	199 130 167	199 130 177	3.000	
2	50	10	3100	199 130 168	199 130 178	3.800	
2 1/2	65	10	5000	199 130 169	199 130 179	3.900	
3	80	10	7000	199 130 170	199 130 180	4.900	
4	100	10	11000	199 130 171	199 130 181	6.300	

Rp [inch]	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]
3/8	50	231	27	64	94	167	92	180	56	25	97	83	122	64
1/2	50	231	27	64	94	167	95	180	56	25	97	83	122	64
3/4	58	240	30	73	94	167	110	180	65	25	97	83	122	72
1	68	240	36	73	94	167	123	180	71	25	97	83	122	79
1 1/4	84	251	44	84	94	167	146	180	85	45	97	83	122	94
1 1/2	97	251	51	84	94	167	157	180	89	45	97	83	122	95
2	124	273	64	106	94	167	183	180	101	45	97	83	122	107
2 1/2	166	346	85	156	94	190	233	180	136	70	98	83	122	144
3	200	358	105	168	94	190	254	180	141	70	98	83	122	151
4	238	365	123	175	94	190	301	180	164	120	98	83	122	174





DN10/15 - 50

Ball valve type 130 PVC-U 100-230V With manual emergency override With fixed flanges 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**
- 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

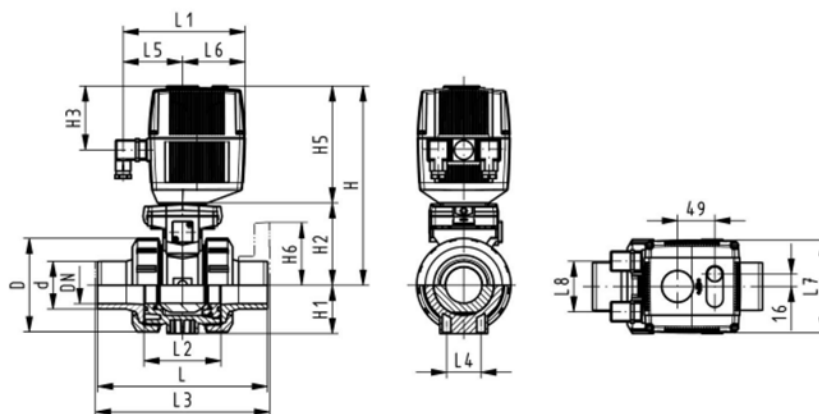
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg								
20	15	½	10	185	199 130 103	199 130 113	2.300								
25	20	¾	10	350	199 130 104	199 130 114	2.500								
32	25	1	10	700	199 130 105	199 130 115	2.700								
40	32	1 ¼	10	1000	199 130 106	199 130 116	3.200								
50	40	1 ½	10	1600	199 130 107	199 130 117	3.700								
63	50	2	10	3100	199 130 108	199 130 118	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	124	180	56	130	25	98	83	122
25	58	240	30	73	94	167	53	144	180	65	150	25	97	83	122
32	68	240	36	73	94	167	58	154	180	71	160	25	97	83	122
40	84	251	44	84	94	167	70	174	180	85	180	45	97	83	122
50	97	251	51	84	94	167	75	194	180	89	200	45	98	83	122
63	124	273	64	106	94	167	83	224	180	101	230	45	97	83	122

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





DN10/15 - 50

Ball valve type 130 PVC-U 24V With manual emergency override With fixed flanges 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

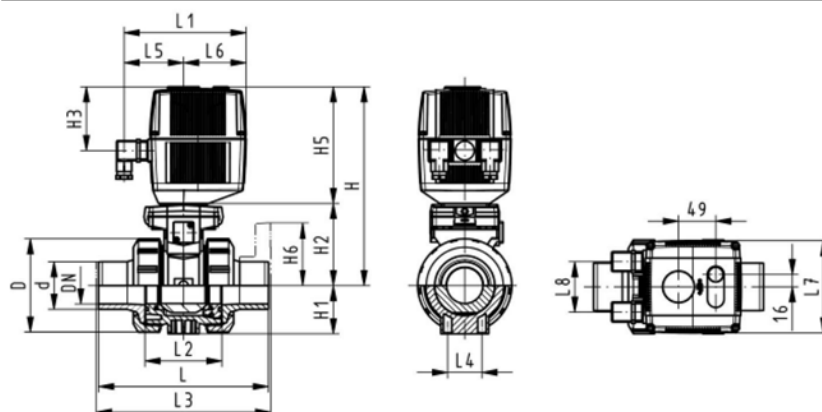
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg
20	15	½	10	185	199 130 143	199 130 153	2.300
25	20	¾	10	350	199 130 144	199 130 154	2.500
32	25	1	10	700	199 130 145	199 130 155	2.700
40	32	1 ¼	10	1000	199 130 146	199 130 156	3.200
50	40	1 ½	10	1600	199 130 147	199 130 157	3.700
63	50	2	10	3100	199 130 148	199 130 158	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	124	180	56	130	25	97	83	122
25	58	240	30	73	94	167	53	144	180	65	150	25	97	83	122
32	68	240	36	73	94	167	58	154	180	71	160	25	97	83	122
40	84	251	44	84	94	167	70	174	180	85	180	45	97	83	122
50	97	251	51	84	94	167	75	194	180	89	200	45	97	83	122
63	124	273	64	106	94	167	83	224	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 130 PVC-U 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**
- 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

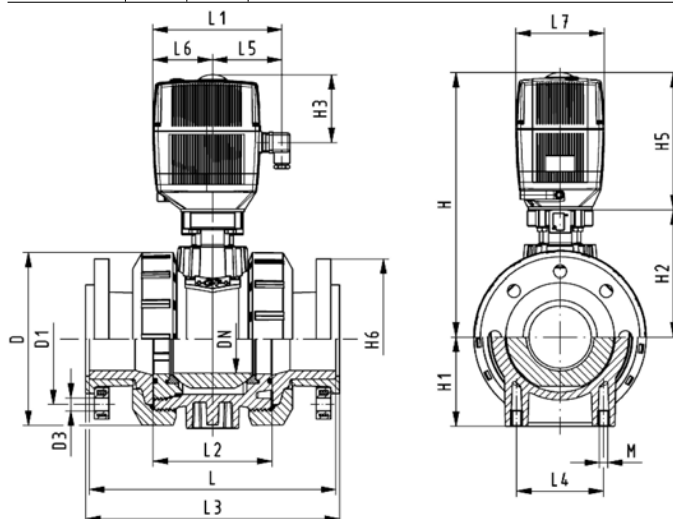
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg									
 75	65	10	5000	199 134 349	199 134 359	8.100									
 90	80	10	7000	199 134 350	199 134 360	9.900									
 110	100	10	11000	199 134 351	199 134 361	13.200									

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	284	180	136	290	70	98	83	
 90	200	358	105	168	94	190	100	300	180	141	310	70	98	83	
 110	238	365	123	175	94	190	110	340	180	164	350	120	98	83	

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





Ball valve type 130 PVC-U 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

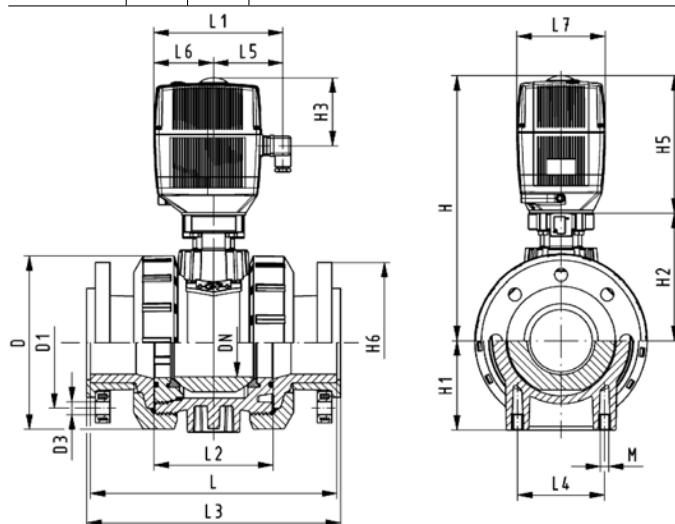
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
 75	65	10	5000	199 134 369	199 134 379	8.100								
 90	80	10	7000	199 134 370	199 134 380	9.900								
 110	100	10	11000	199 134 371	199 134 381	13.200								

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	284	180	136	290	70	98	83	
 90	200	358	105	168	94	190	100	300	180	141	310	70	98	83	
 110	238	365	123	175	94	190	110	340	180	164	350	120	98	83	

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





DN10/15 - 50

Ball valve type 134 PVC-U 100-230V With manual emergency override With solvent cement sockets Inch BS

Model:

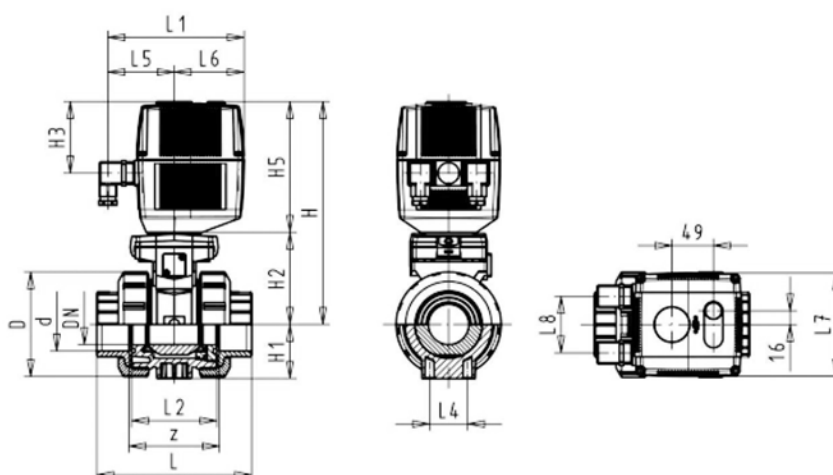
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time: EA21: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

Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 134 002	199 134 012	2.100	
1/2	15	10	185	199 134 003	199 134 013	2.100	
3/4	20	10	350	199 134 004	199 134 014	2.200	
1	25	10	700	199 134 005	199 134 015	2.300	
1 1/4	32	10	1000	199 134 006	199 134 016	2.600	
1 1/2	40	10	1600	199 134 007	199 134 017	3.000	
2	50	10	3100	199 134 008	199 134 018	3.800	
 2 1/2	65	10	5000	199 134 009	199 134 019	3.900	
 3	80	10	7000	199 134 010	199 134 020	4.800	
 4	100	10	11000	199 134 011	199 134 021	6.200	

Inch	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]
3/8	50	231	27	64	94	167	92	180	56	25	97	83	122	60
1/2	50	231	27	64	94	167	95	180	56	25	97	83	122	60
3/4	58	240	30	73	94	167	110	180	65	25	97	83	122	69
1	68	240	36	73	94	167	123	180	71	25	97	83	122	75
1 1/4	84	251	44	84	94	167	146	180	85	45	97	83	122	89
1 1/2	97	251	51	84	94	167	157	180	89	45	97	83	122	97
2	124	273	64	106	94	167	183	180	101	45	97	83	122	110
 2 1/2	166	347	85	156	94	190	233	180	136	70	98	83	122	144
 3	200	358	105	168	94	190	254	180	141	70	98	83	122	151
 4	238	365	123	175	94	190	301	180	164	120	98	83	122	174





DN10/15 - 50

Ball valve type 134 PVC-U 24V

With manual emergency override

With solvent cement sockets Inch BS

Model:

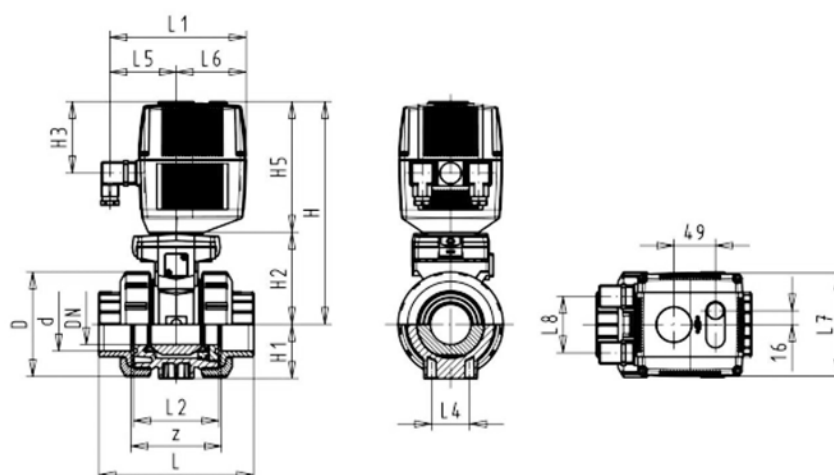
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Voltage 24 V AC/DC
- Control range 90°<
- Control time: EA21: 5s/90°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

Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 134 042	199 134 052	2.100	
1/2	15	10	185	199 134 043	199 134 053	2.100	
3/4	20	10	350	199 134 044	199 134 054	2.200	
1	25	10	700	199 134 045	199 134 055	2.300	
1 1/4	32	10	1000	199 134 046	199 134 056	2.600	
1 1/2	40	10	1600	199 134 047	199 134 057	3.000	
2	50	10	3100	199 134 048	199 134 058	3.800	
 2 1/2	65	10	5000	199 134 049	199 134 059	3.900	
 3	80	10	7000	199 134 050	199 134 060	4.800	
 4	100	10	11000	199 134 051	199 134 061	6.200	

Inch	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]
3/8	50	231	27	64	94	167	92	180	56	25	97	83	122	60
1/2	50	231	27	64	94	167	95	180	56	25	97	83	122	60
3/4	58	240	30	73	94	167	110	180	65	25	97	83	122	69
1	68	240	36	73	94	167	123	180	71	25	97	83	122	75
1 1/4	84	251	44	84	94	167	146	180	85	45	97	83	122	89
1 1/2	97	251	51	84	94	167	157	180	89	45	97	83	122	97
2	124	273	64	106	94	167	183	180	101	45	97	83	122	110
 2 1/2	166	346	85	156	94	190	233	180	136	70	98	83	122	144
 3	200	358	105	168	94	190	254	180	141	70	98	83	122	151
 4	238	365	123	175	94	190	301	180	164	120	98	83	122	174



Copiable

Configurator GF Ball Valve Type 546 PVC-U

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 put together a selection menu for you (the maximum working pressure of the whole valve is determined by the maximum permissible nominal pressure of the connecting part).

Ball valve
A01 Ball valve 546

Material
B01 PVC-U

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 for inch ASTM (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
G01 PVC-U Cement socket metric
G03 PVC-U Cement socket inch ASTM
G04 PVC-U Cement socket inch BS
G05 PVC-U Cement spigot metric
G06 PVC-U Threaded socket Rp
G07 PVC-U Threaded socket Rp reinforced (DN10-50)
G09 PVC-U Threaded socket NPT
G30 PP-H Fusion socket metric
G32 PP-H Socket fusion spigot metric
G33 PP-H Threaded socket Rp
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)
G37 PP-H Butt fusion spigot long SDR11 metric
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)
G60 Fixed flange PVC-U serrated metric
G61 Fixed flange PVC-U flat metric
G70 Backing flange PVC-U metric
G71 Backing flange PVC-U inch ANSI
G72 Backing flange PP-steel metric
G73 Backing flange PP-steel ANSI
G78 Backing flange PVC-U JIS (DN65-100)
G80 PVC-U Valve end blank

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

Handle
K01 Standard handle red
K02 Standard handle black
K11 Multi-functional handle red

Mounting plate
L01 without mounting plate
L02 with mounting plate

A01	B01	C	D	E	F	G	G	I	K	L
-----	-----	---	---	---	---	---	---	---	---	---

left right

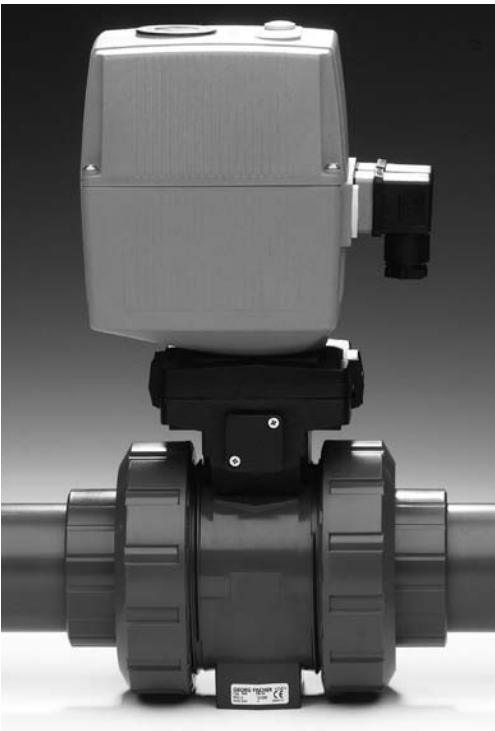
Copiable

GF ball valve type 546 with electric Actuator

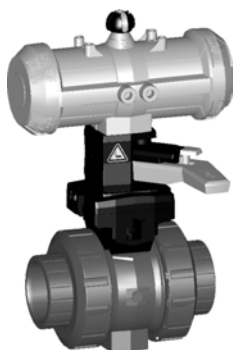
It's easy to actuate the type 546:

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



DN10/15 - 50

Ball valves pneumatic

Ball valve type 230 PVC-U FC (Fail safe to close)
With manual override
With solvent cement sockets metric

Model:

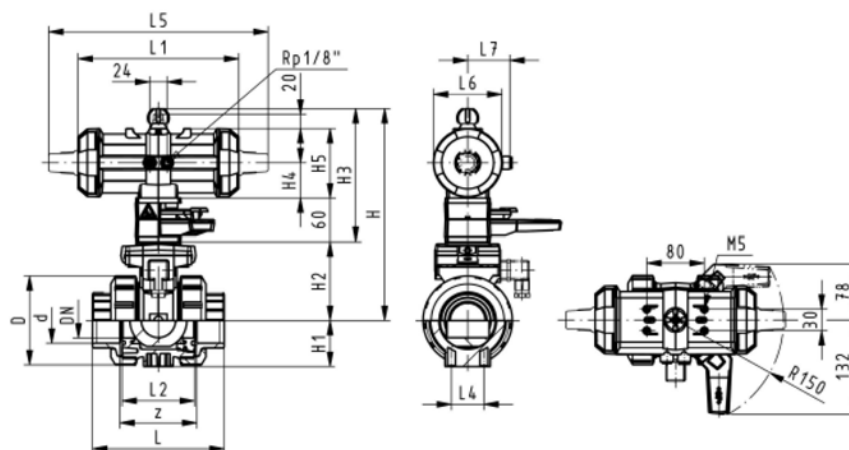
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

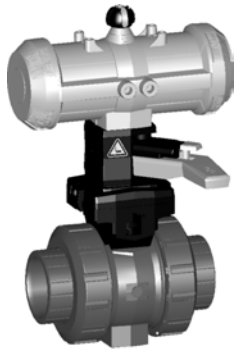
Option:

- 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	199 230 002	199 230 012	1.459
20	15	10	185	199 230 003	199 230 013	1.459
25	20	10	350	199 230 004	199 230 014	1.576
32	25	10	700	199 230 005	199 230 015	1.700
40	32	10	1000	199 230 006	199 230 016	2.751
50	40	10	1600	199 230 007	199 230 017	3.073
63	50	10	3100	199 230 008	199 230 018	3.931

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	92	194	56	25	261	76	48	64
20	50	230	27	62	168	40	97	95	194	56	25	261	76	48	64
25	58	239	30	71	168	40	97	110	194	65	25	261	76	48	72
32	68	239	36	71	168	40	97	123	194	71	25	261	76	48	79
40	84	271	44	84	187	51	115	146	224	85	45	305	95	59	94
50	97	271	51	84	187	51	115	157	224	89	45	305	95	59	95
63	124	293	64	106	187	51	115	183	224	101	45	305	95	59	107





DN10/15 - 50

Ball valve type 230 PVC-U FO (Fail safe to open) With manual override With solvent cement sockets metric

Model:

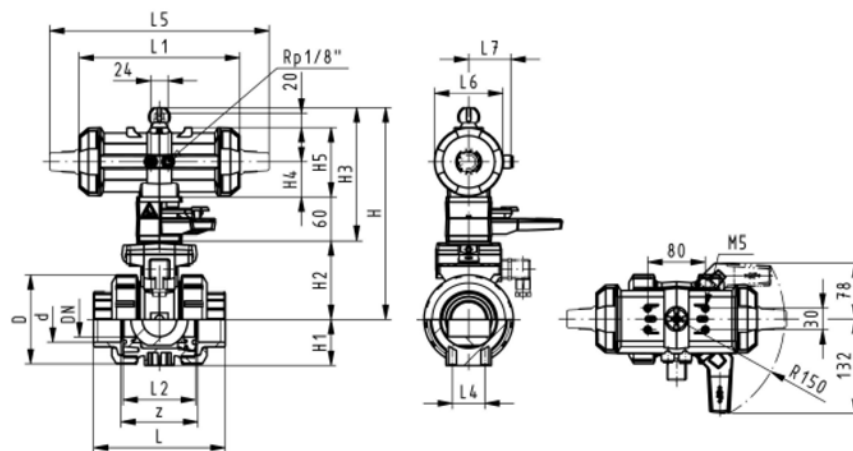
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

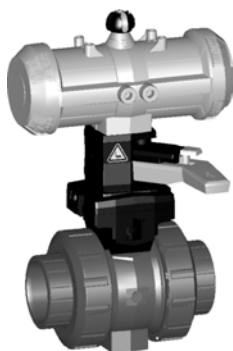
Option:

- 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	199 230 042	199 230 052	1.459	
20	15	10	185	199 230 043	199 230 053	1.459	
25	20	10	350	199 230 044	199 230 054	1.576	
32	25	10	700	199 230 045	199 230 055	1.700	
40	32	10	1000	199 230 046	199 230 056	2.751	
50	40	10	1600	199 230 047	199 230 057	3.073	
63	50	10	3100	199 230 048	199 230 058	3.931	

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	92	194	56	25	261	76	48	64
20	50	230	27	62	168	40	97	95	194	56	25	261	76	48	64
25	58	239	30	71	168	40	97	110	194	65	25	261	76	48	72
32	68	239	36	71	168	40	97	123	194	71	25	261	76	48	79
40	84	271	44	84	187	51	115	146	224	85	45	305	95	59	94
50	97	271	51	84	187	51	115	157	224	89	45	305	95	59	95
63	124	293	64	106	187	51	115	183	224	101	45	305	95	59	107





DN10/15 - 50

Ball valve type 230 PVC-U DA (Double acting) With manual override With solvent cement sockets metric

Model:

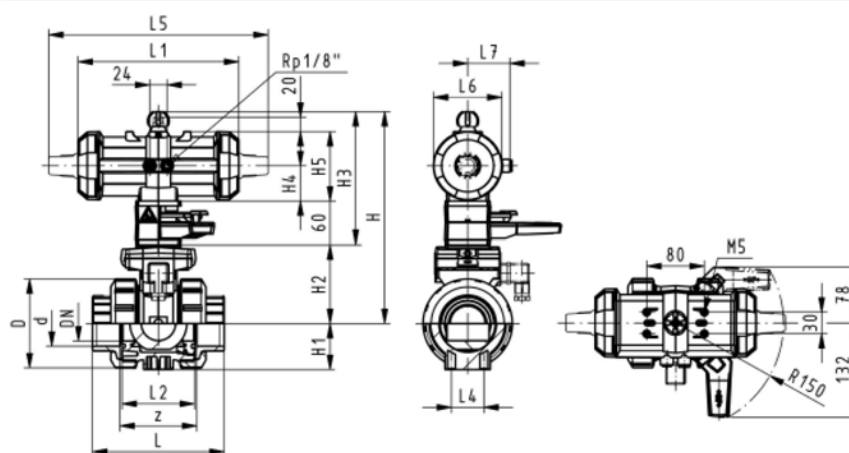
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

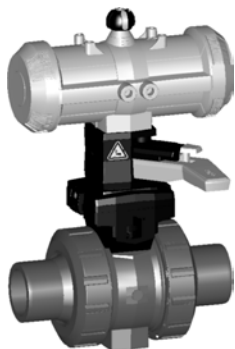
Option:

- 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	199 230 082	199 230 092	1.459
20	15	10	185	199 230 083	199 230 093	1.459
25	20	10	350	199 230 084	199 230 094	1.576
32	25	10	700	199 230 085	199 230 095	1.700
40	32	10	1000	199 230 086	199 230 096	2.751
50	40	10	1600	199 230 087	199 230 097	3.073
63	50	10	3100	199 230 088	199 230 098	3.931

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	92	194	56	25	261	76	48	64
20	50	230	27	62	168	40	97	95	194	56	25	261	76	48	64
25	58	239	30	71	168	40	97	110	194	65	25	261	76	48	72
32	68	239	36	71	168	40	97	123	194	71	25	261	76	48	79
40	84	271	44	84	187	51	115	146	224	85	45	305	95	59	94
50	97	271	51	84	187	51	115	157	224	89	45	305	95	59	95
63	124	293	64	106	187	51	115	183	224	101	45	305	95	59	107





DN10/15 - 50

Ball valve type 230 PVC-U FC (Fail safe to close) With manual override With solvent cement spigots metric

Model:

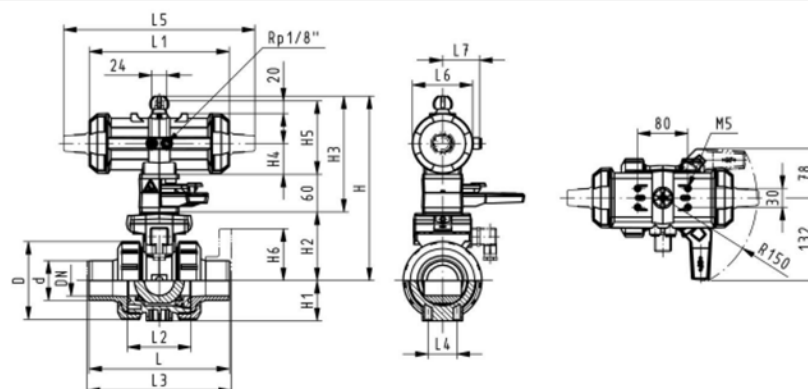
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

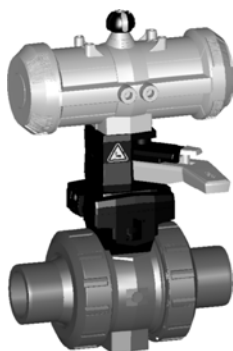
Option:

- 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	199 230 022	199 230 032	1.459
20	15	10	185	199 230 023	199 230 033	1.459
25	20	10	350	199 230 024	199 230 034	1.576
32	25	10	700	199 230 025	199 230 035	1.700
40	32	10	1000	199 230 026	199 230 036	2.751
50	40	10	1600	199 230 027	199 230 037	3.073
63	50	10	3100	199 230 028	199 230 038	3.931

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	114	194	56	130	25	261	76	48
20	50	230	27	62	168	40	97	124	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	144	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	154	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	174	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	194	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	224	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 230 PVC-U FO (Fail safe to open) With manual override With solvent cement spigots metric

Model:

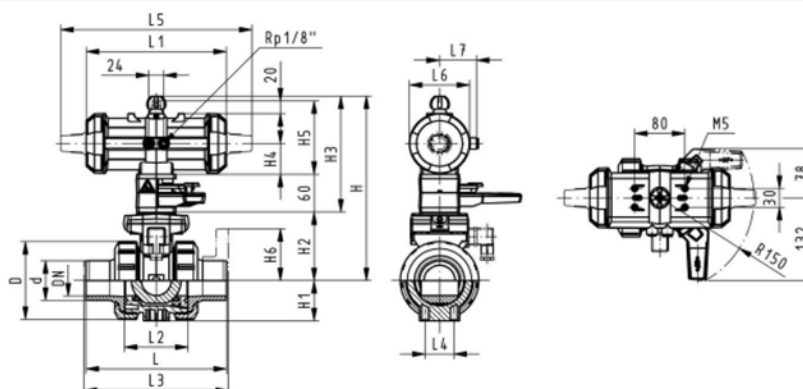
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

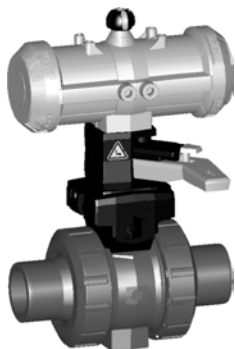
Option:

- 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	199 230 062	199 230 072	1.459
20	15	10	185	199 230 063	199 230 073	1.459
25	20	10	350	199 230 064	199 230 074	1.576
32	25	10	700	199 230 065	199 230 075	1.700
40	32	10	1000	199 230 066	199 230 076	2.751
50	40	10	1600	199 230 067	199 230 077	3.073
63	50	10	3100	199 230 068	199 230 078	3.931

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	114	194	56	130	25	261	76	48
20	50	230	27	62	168	40	97	124	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	144	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	154	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	174	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	194	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	224	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 230 PVC-U DA (Double acting) With manual override With solvent cement spigots metric

Model:

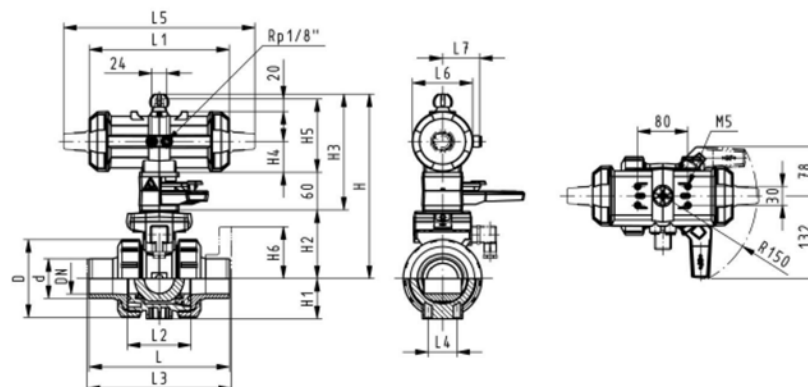
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

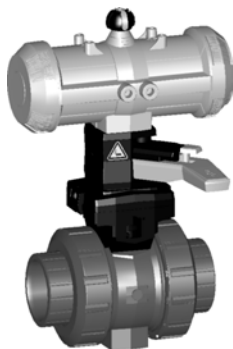
Option:

- 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	199 230 102	199 230 112	1.459	
20	15	10	185	199 230 103	199 230 113	1.459	
25	20	10	350	199 230 104	199 230 114	1.576	
32	25	10	700	199 230 105	199 230 115	1.700	
40	32	10	1000	199 230 106	199 230 116	2.751	
50	40	10	1600	199 230 107	199 230 117	3.073	
63	50	10	3100	199 230 108	199 230 118	3.931	

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	114	194	56	130	25	261	76	48
20	50	230	27	62	168	40	97	124	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	144	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	154	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	174	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	194	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	224	224	101	230	45	305	95	59





DN10/15 - 50

Ball valve type 230 PVC-U FC (Fail safe to close) With manual override With threaded sockets Rp

Model:

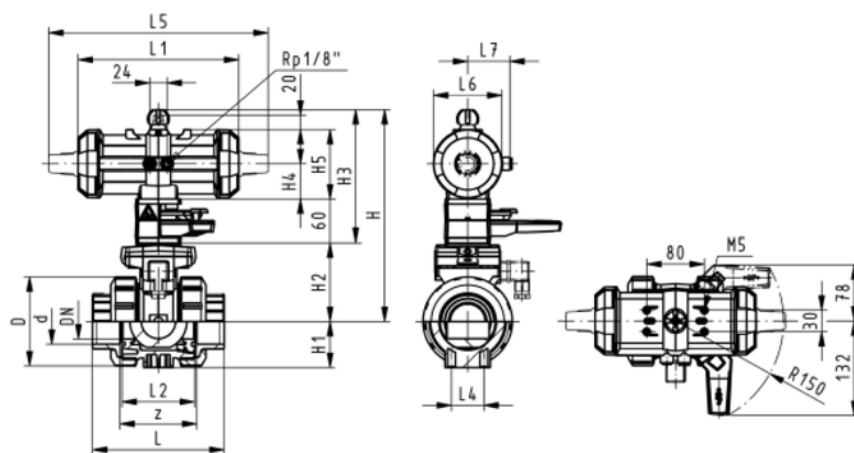
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

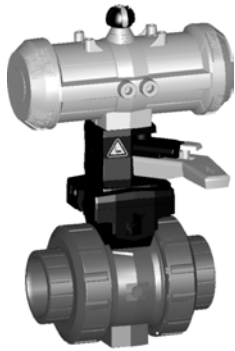
Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 230 362	199 230 372	1.500										
1/2	15	10	185	199 230 363	199 230 373	1.500										
3/4	20	10	350	199 230 364	199 230 374	1.600										
1	25	10	700	199 230 365	199 230 375	1.700										
1 1/4	32	10	1000	199 230 366	199 230 376	2.800										
1 1/2	40	10	1600	199 230 367	199 230 377	3.100										
2	50	10	3100	199 230 368	199 230 378	4.000										

Rp [inch]	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]
3/8	50	230	27	62	168	40	97	92	194	56	25	261	76	48	64
1/2	50	230	27	62	168	40	97	95	194	56	25	261	76	48	64
3/4	58	239	30	71	168	40	97	110	194	65	25	261	76	48	72
1	68	239	36	71	168	40	97	123	194	71	25	261	76	48	79
1 1/4	84	271	44	84	187	51	115	146	224	85	45	305	95	59	94
1 1/2	97	271	51	84	187	51	115	157	224	89	45	305	95	59	95
2	124	293	64	106	187	51	115	183	224	101	45	305	95	59	107





DN10/15 - 50

Ball valve type 230 PVC-U FO (Fail safe to open) With manual override With threaded sockets Rp

Model:

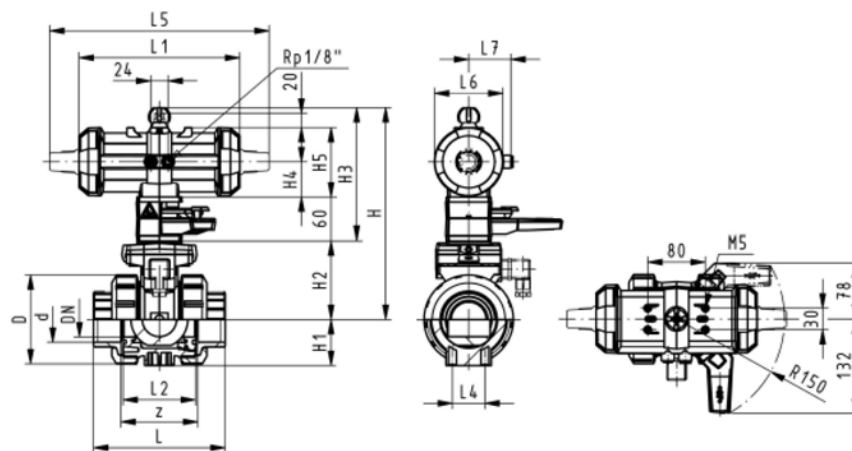
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

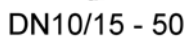
Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 230 382	199 230 392	1.500										
1/2	15	10	185	199 230 383	199 230 393	1.500										
3/4	20	10	350	199 230 384	199 230 394	1.600										
1	25	10	700	199 230 385	199 230 395	1.700										
1 1/4	32	10	1000	199 230 386	199 230 396	2.800										
1 1/2	40	10	1600	199 230 387	199 230 397	3.100										
2	50	10	3100	199 230 388	199 230 398	4.000										

Rp [inch]	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]
3/8	50	230	27	62	168	40	97	92	194	56	25	261	76	48	64
1/2	50	230	27	62	168	40	97	95	194	56	25	261	76	48	64
3/4	58	239	30	71	168	40	97	110	194	65	25	261	76	48	72
1	68	239	36	71	168	40	97	123	194	71	25	261	76	48	79
1 1/4	84	271	44	84	187	51	115	146	224	85	45	305	95	59	94
1 1/2	97	271	51	84	187	51	115	157	224	89	45	305	95	59	95
2	124	293	64	106	187	51	115	183	224	101	45	305	95	59	107





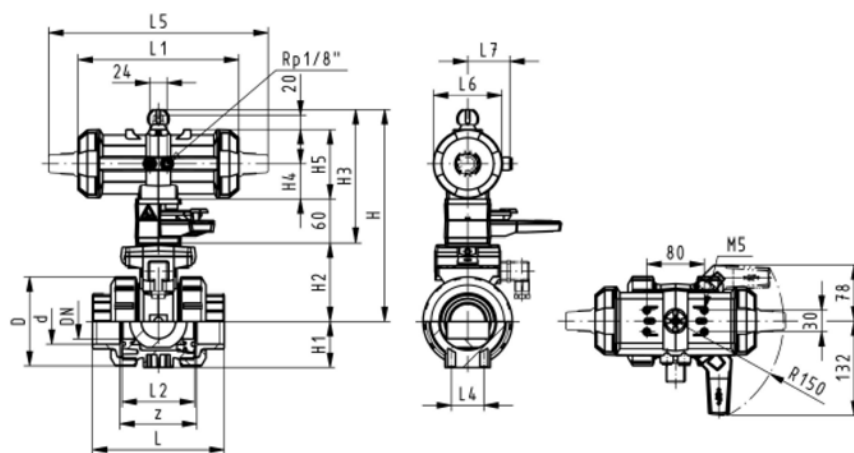
Model:

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

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 230 642	199 230 652	1.500	
1/2	15	10	185	199 230 643	199 230 653	1.500	
3/4	20	10	350	199 230 644	199 230 654	1.600	
1	25	10	700	199 230 645	199 230 655	1.700	
1 1/4	32	10	1000	199 230 646	199 230 656	2.800	
1 1/2	40	10	1600	199 230 647	199 230 657	3.100	
2	50	10	3100	199 230 648	199 230 658	4.000	

Rp	D	H	H1	H2	H3	H4	H5	L	L1	L2	L4	L5	L6	L7	z
[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
⅜	50	230	27	62	168	40	97	92	194	56	25	261	76	48	64
½	50	230	27	62	168	40	97	95	194	56	25	261	76	48	64
¾	58	239	30	71	168	40	97	110	194	65	25	261	76	48	72
1	68	239	36	71	168	40	97	123	194	71	25	261	76	48	79
1 ¼	84	271	44	84	187	51	115	146	224	85	45	305	95	59	94
1 ½	97	271	51	84	187	51	115	157	224	89	45	305	95	59	95
2	124	293	64	106	187	51	115	183	224	101	45	305	95	59	107





DN10/15 - 50

Ball valve type 230 PVC-U FC (Fail safe to close) With manual override With fixed flanges serrated metric

Model:

- Built on with pneumatic actuator PA11/21
- 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

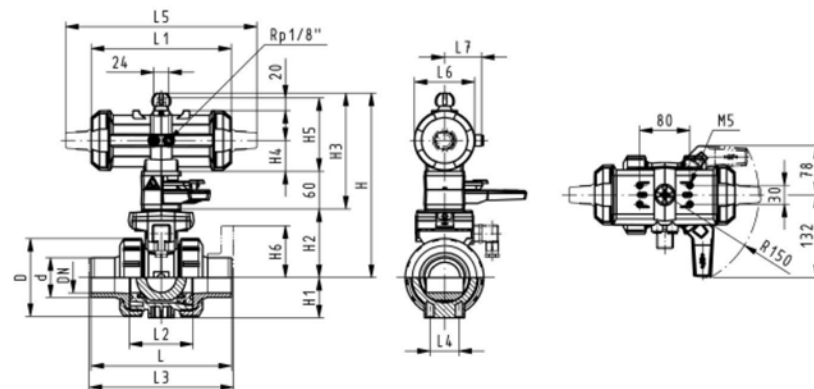
Option:

- 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	199 230 243	199 230 253	1.700
25	20	¾	10	350	199 230 244	199 230 254	1.900
32	25	1	10	700	199 230 245	199 230 255	2.100
40	32	1 ¼	10	1000	199 230 246	199 230 256	3.400
50	40	1 ½	10	1600	199 230 247	199 230 257	3.800
63	50	2	10	3100	199 230 248	199 230 258	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	124	194	56	130	25	261	76
25	58	239	30	71	168	40	97	53	144	194	65	150	25	261	76
32	68	239	36	71	168	40	97	58	154	194	71	160	25	261	76
40	84	271	44	84	187	51	115	70	174	224	85	180	45	305	95
50	97	271	51	84	187	51	115	75	194	224	89	200	45	305	95
63	124	293	64	106	187	51	115	83	224	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 230 PVC-U FO (Fail safe to open) With manual override With fixed flanges serrated metric

Model:

- Built on with pneumatic actuator PA11/21
- 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

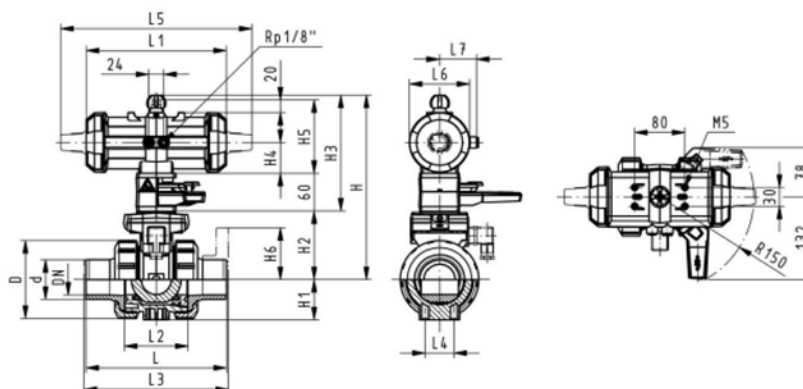
Option:

- 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	199 230 263	199 230 273	1.700
25	20	¾	10	350	199 230 264	199 230 274	1.900
32	25	1	10	700	199 230 265	199 230 275	2.100
40	32	1 ¼	10	1000	199 230 266	199 230 276	3.400
50	40	1 ½	10	1600	199 230 267	199 230 277	3.800
63	50	2	10	3100	199 230 268	199 230 278	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	50	230	27	62	168	40	97	48	124	194	56	130	25	261	76
25	58	239	30	71	168	40	97	53	144	194	65	150	25	261	76
32	68	239	36	71	168	40	97	58	154	194	71	160	25	261	76
40	84	271	44	84	187	51	115	70	174	224	85	180	45	305	95
50	97	271	51	84	187	51	115	75	194	224	89	200	45	305	95
63	124	293	64	106	187	51	115	83	224	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 230 PVC-U DA (Double acting) With manual override With fixed flanges serrated metric

Model:

- Built on with pneumatic actuator PA11/21
- 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

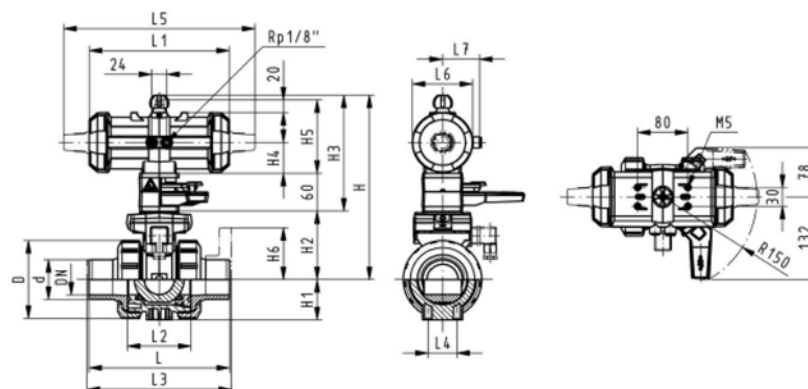
Option:

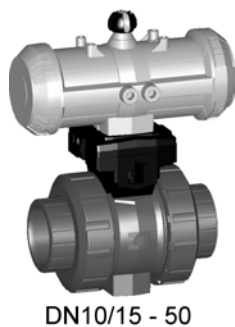
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg								
20	15	½	10	185	199 230 283	199 230 293	1.700								
25	20	¾	10	350	199 230 284	199 230 294	1.900								
32	25	1	10	700	199 230 285	199 230 295	2.100								
40	32	1 ¼	10	1000	199 230 286	199 230 296	3.400								
50	40	1 ½	10	1600	199 230 287	199 230 297	3.800								
63	50	2	10	3100	199 230 288	199 230 298	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	124	194	56	130	25	261	76
25	58	239	30	71	168	40	97	53	144	194	65	150	25	261	76
32	68	239	36	71	168	40	97	58	154	194	71	160	25	261	76
40	84	271	44	84	187	51	115	70	174	224	85	180	45	305	95
50	97	271	51	84	187	51	115	75	194	224	89	200	45	305	95
63	124	293	64	106	187	51	115	83	224	224	101	230	45	305	95

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





Ball valve type 230 PVC-U FC (Fail safe to close) Without manual override With solvent cement sockets metric

Model:

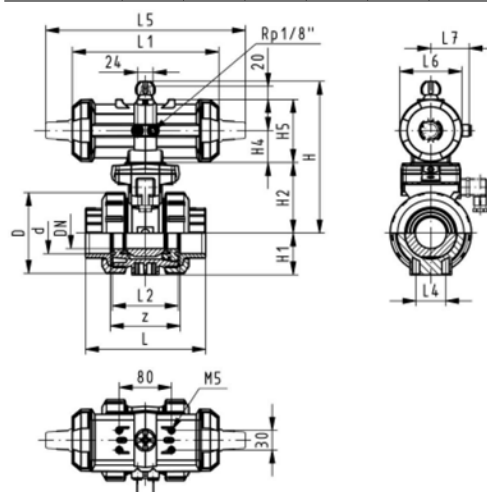
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

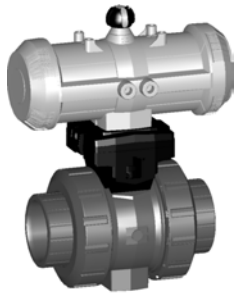
Option:

- 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	199 230 122	199 230 132	1.159	
20	15	10	185	199 230 123	199 230 133	1.159	
25	20	10	350	199 230 124	199 230 134	1.276	
32	25	10	700	199 230 125	199 230 135	1.400	
40	32	10	1000	199 230 126	199 230 136	2.451	
50	40	10	1600	199 230 127	199 230 137	2.773	
63	50	10	3100	199 230 128	199 230 138	3.631	
 75	65	10	5000	199 230 129	199 230 139	4.300	
 90	80	10	7000	199 230 130	199 230 140	5.200	
 110	100	10	11000	199 230 131	199 230 141	7.700	

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	92	194	56	25	261	76	48	64	
20	50	167	27	62	40	97	95	194	56	25	261	76	48	64	
25	58	176	30	71	40	97	110	194	65	25	261	76	48	72	
32	68	176	36	71	40	97	123	194	71	25	261	76	48	79	
40	84	210	44	84	51	115	146	224	85	45	305	95	59	94	
50	97	210	51	84	51	115	157	224	89	45	305	95	59	95	
63	124	232	64	106	51	115	183	224	101	45	305	95	59	107	
 75	166	262	85	156		70	233	218	136	70	276	65		144	
 90	200	281	105	168		78	254	259	141	70	341	72		151	
 110	238	292	123	175		86	301	287	164	120	369	80		174	





DN10/15 - 50

Ball valve type 230 PVC-U FO (Fail safe to open) Without manual override With solvent cement sockets metric

Model:

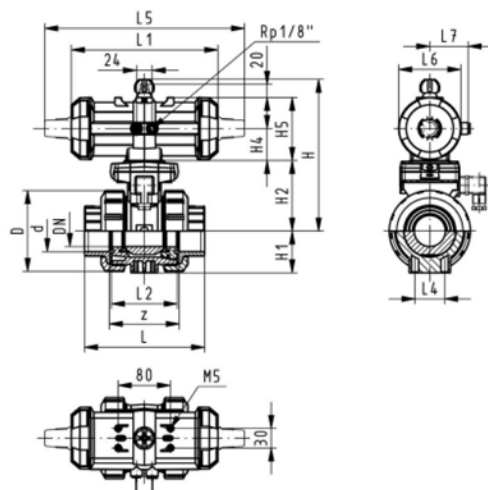
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s

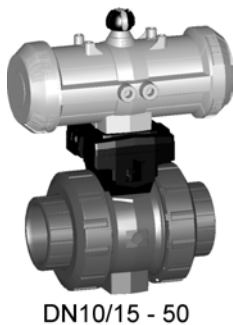
Option:

- 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	199 230 162	199 230 172	1.159	
20	15	10	185	199 230 163	199 230 173	1.159	
25	20	10	350	199 230 164	199 230 174	1.276	
32	25	10	700	199 230 165	199 230 175	1.400	
40	32	10	1000	199 230 166	199 230 176	2.451	
50	40	10	1600	199 230 167	199 230 177	2.773	
63	50	10	3100	199 230 168	199 230 178	3.631	
75	65	10	5000	199 230 169	199 230 179	4.300	
90	80	10	7000	199 230 170	199 230 180	5.200	
110	100	10	11000	199 230 171	199 230 181	7.700	

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	92	194	56	25	261	76	48	64
20	50	167	27	62	40	97	95	194	56	25	261	76	48	64
25	58	176	30	71	40	97	110	194	65	25	261	76	48	72
32	68	176	36	71	40	97	123	194	71	25	261	76	48	79
40	84	210	44	84	51	115	146	224	85	45	305	95	59	94
50	97	210	51	84	51	115	157	224	89	45	305	95	59	95
63	124	232	64	106	51	115	183	224	101	45	305	95	59	107
75	166	262	85	156		70	233	218	136	70	276	65		144
90	200	281	105	168		78	254	259	141	70	341	72		151
110	238	292	123	175		86	301	287	164	120	369	80		174





Ball valve type 230 PVC-U DA (Double acting) Without manual override With solvent cement sockets metric

Model:

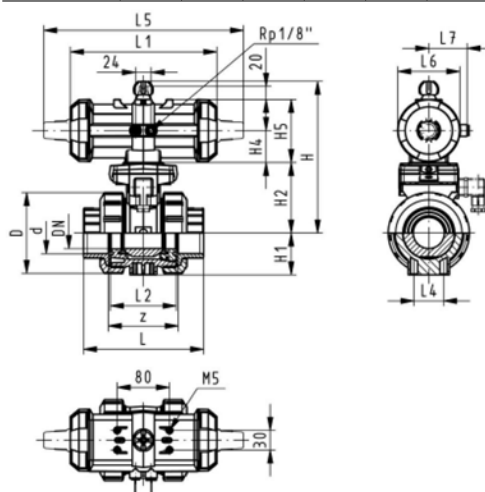
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

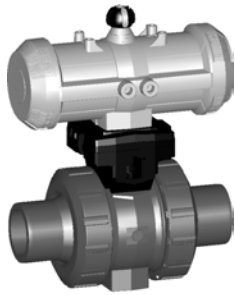
Option:

- 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	199 230 202	199 230 212	1.159	
20	15	10	185	199 230 203	199 230 213	1.159	
25	20	10	350	199 230 204	199 230 214	1.276	
32	25	10	700	199 230 205	199 230 215	1.400	
40	32	10	1000	199 230 206	199 230 216	2.451	
50	40	10	1600	199 230 207	199 230 217	2.773	
63	50	10	3100	199 230 208	199 230 218	3.631	
 75	65	10	5000	199 230 209	199 230 219	3.100	
 90	80	10	7000	199 230 210	199 230 220	4.500	
 110	100	10	11000	199 230 211	199 230 221	5.900	

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	92	194	56	25	261	76	48	64
20	50	167	27	62	40	97	95	194	56	25	261	76	48	64
25	58	176	30	71	40	97	110	194	65	25	261	76	48	72
32	68	176	36	71	40	97	123	194	71	25	261	76	48	79
40	84	210	44	84	51	115	146	224	85	45	305	95	59	94
50	97	210	51	84	51	115	157	224	89	45	305	95	59	95
63	124	232	64	106	51	115	183	224	101	45	305	95	59	107
 75	166	257	85	156		66	233	144	136	70	190	60		144
 90	200	274	105	168		70	254	152	141	70	198	65		151
 110	238	273	123	175		78	301	169	164	120	235	72		174





DN10/15 - 50

Ball valve type 230 PVC-U FC (Fail safe to close) Without manual override With solvent cement spigots metric

Model:

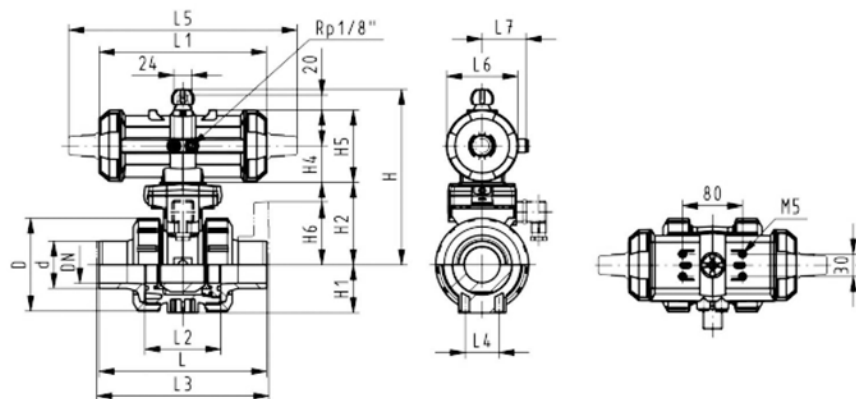
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

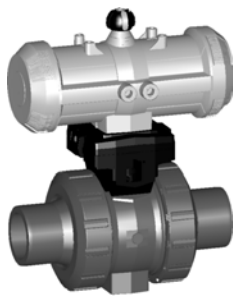
Option:

- 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	199 230 142	199 230 152	1.159	
20	15	10	185	199 230 143	199 230 153	1.159	
25	20	10	350	199 230 144	199 230 154	1.276	
32	25	10	700	199 230 145	199 230 155	1.400	
40	32	10	1000	199 230 146	199 230 156	2.451	
50	40	10	1600	199 230 147	199 230 157	2.773	
63	50	10	3100	199 230 148	199 230 158	3.631	
75	65	10	5000	199 230 149	199 230 159	4.400	
90	80	10	7000	199 230 150	199 230 160	5.400	
110	100	10	11000	199 230 151	199 230 161	7.900	

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	114	194	56	0	25	261	76	48	
20	50	167	27	62	40	97	124	194	56	130	25	261	76	48	
25	58	176	30	71	40	97	144	194	65	150	25	261	76	48	
32	68	176	36	71	40	97	154	194	71	160	25	261	76	48	
40	84	210	44	84	51	115	174	224	85	180	45	305	95	59	
50	97	210	51	84	51	115	194	224	89	200	45	305	95	59	
63	124	232	64	106	51	115	224	224	101	230	45	305	95	59	
75	166	262	85	156		70	284	218	136	290	70	276	65		
90	200	281	105	168		78	300	259	141	310	70	341	72		
110	238	292	123	175		86	340	287	164	350	120	369	80		





DN10/15 - 50

Ball valve type 230 PVC-U FO (Fail safe to open) Without manual override With solvent cement spigots metric

Model:

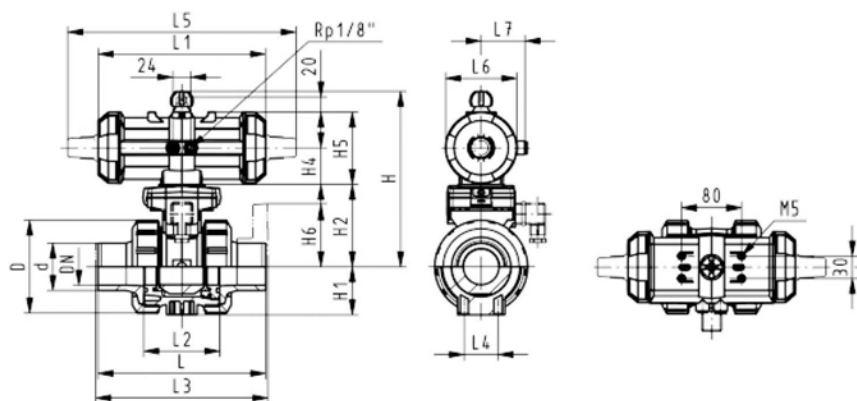
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

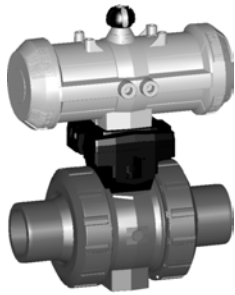
Option:

- 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	199 230 182	199 230 192	1.159	
20	15	10	185	199 230 183	199 230 193	1.159	
25	20	10	350	199 230 184	199 230 194	1.276	
32	25	10	700	199 230 185	199 230 195	1.400	
40	32	10	1000	199 230 186	199 230 196	2.451	
50	40	10	1600	199 230 187	199 230 197	2.773	
63	50	10	3100	199 230 188	199 230 198	3.631	
 75	65	10	5000	199 230 189	199 230 199	4.400	
 90	80	10	7000	199 230 190	199 230 200	5.400	
 110	100	10	11000	199 230 191	199 230 201	7.900	

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	114	194	56	0	25	261	76	48	
20	50	167	27	62	40	97	124	194	56	130	25	261	76	48	
25	58	176	30	71	40	97	144	194	65	150	25	261	76	48	
32	68	176	36	71	40	97	154	194	71	160	25	261	76	48	
40	84	210	44	84	51	115	174	224	85	180	45	305	95	59	
50	97	210	51	84	51	115	194	224	89	200	45	305	95	59	
63	124	232	64	106	51	115	224	224	101	230	45	305	95	59	
 75	166	262	85	156		70	284	218	136	290	70	276	65		
 90	200	281	105	168		78	300	259	141	310	70	341	72		
 110	238	292	123	175		86	340	287	164	350	120	369	80		





DN10/15 - 50

Ball valve type 230 PVC-U DA (Double acting) Without manual override With solvent cement spigots metric

Model:

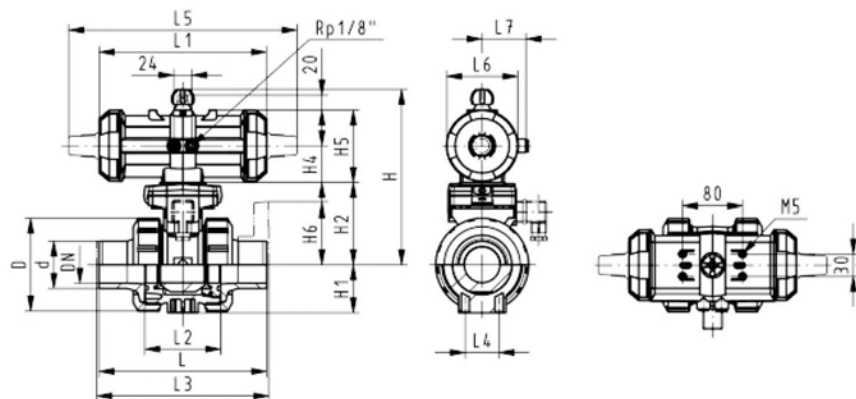
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

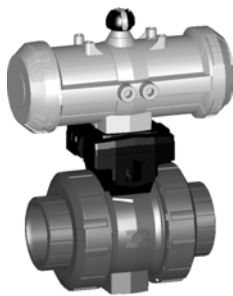
Option:

- 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	199 230 222	199 230 232	1.159	
20	15	10	185	199 230 223	199 230 233	1.159	
25	20	10	350	199 230 224	199 230 234	1.276	
32	25	10	700	199 230 225	199 230 235	1.400	
40	32	10	1000	199 230 226	199 230 236	2.451	
50	40	10	1600	199 230 227	199 230 237	2.773	
63	50	10	3100	199 230 228	199 230 238	3.631	
75	65	10	5000	199 230 229	199 230 239	3.300	
90	80	10	7000	199 230 230	199 230 240	4.700	
110	100	10	11000	199 230 231	199 230 241	6.200	

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	114	194	56	0	25	261	76	48	
20	50	167	27	62	40	97	124	194	56	130	25	261	76	48	
25	58	176	30	71	40	97	144	194	65	150	25	261	76	48	
32	68	176	36	71	40	97	154	194	71	160	25	261	76	48	
40	84	210	44	84	51	115	174	224	85	180	45	305	95	59	
50	97	210	51	84	51	115	194	224	89	200	45	305	95	59	
63	124	232	64	106	51	115	224	224	101	230	45	305	95	59	
75	166	257	85	156		66	284	144	136	290	70	190	60		
90	200	274	105	168		70	300	152	141	310	70	198	65		
110	238	273	123	175		78	340	169	164	350	120	235	72		





DN10/15 - 50

Ball valve type 230 PVC-U FC (Fail safe to close) Without manual override With threaded sockets Rp

Model:

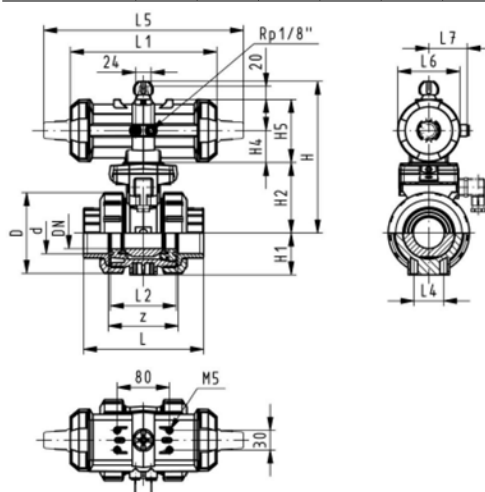
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

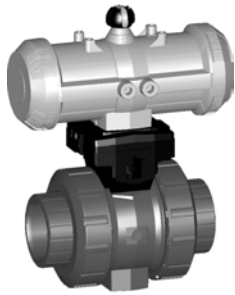
Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 230 662	199 230 672	1.200	
1/2	15	10	185	199 230 663	199 230 673	1.200	
3/4	20	10	350	199 230 664	199 230 674	1.300	
1	25	10	700	199 230 665	199 230 675	1.400	
1 1/4	32	10	1000	199 230 666	199 230 676	2.500	
1 1/2	40	10	1600	199 230 667	199 230 677	2.800	
2	50	10	3100	199 230 668	199 230 678	3.700	
2 1/2	65	10	5000	199 230 669	199 230 679	4.300	
3	80	10	7000	199 230 670	199 230 680	5.300	
4	100	10	11000	199 230 671	199 230 681	7.700	

Rp [inch]	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]
3/8	50	167	27	62	40	97	92	194	56	25	261	76	48	64
1/2	50	167	27	62	40	97	95	194	56	25	261	76	48	64
3/4	58	176	30	71	40	97	110	194	65	25	261	76	48	72
1	68	176	36	71	40	97	123	194	71	25	261	76	48	79
1 1/4	84	210	44	84	51	115	146	224	85	45	305	95	59	94
1 1/2	97	210	51	84	51	115	157	224	89	45	305	95	59	95
2	124	232	64	106	51	115	183	224	101	45	305	95	59	107
2 1/2	166	262	85	156		70	233	218	136	70	276	65		144
3	200	281	105	168		78	254	259	141	70	341	72		151
4	238	292	123	175		86	301	287	164	120	369	80		174





DN10/15 - 50

Ball valve type 230 PVC-U FO (Fail safe to open) Without manual override With threaded sockets Rp

Model:

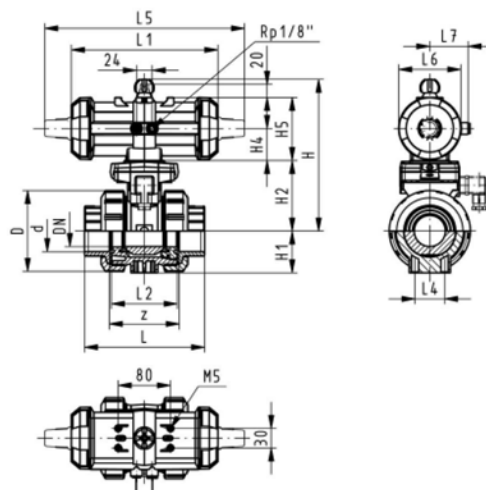
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

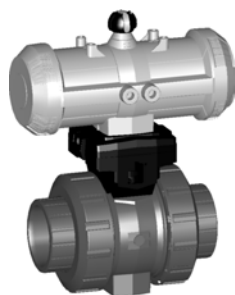
Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 230 682	199 230 692	1.200	
1/2	15	10	185	199 230 683	199 230 693	1.200	
3/4	20	10	350	199 230 684	199 230 694	1.300	
1	25	10	700	199 230 685	199 230 695	1.400	
1 1/4	32	10	1000	199 230 686	199 230 696	2.500	
1 1/2	40	10	1600	199 230 687	199 230 697	2.800	
2	50	10	3100	199 230 688	199 230 698	3.700	
2 1/2	65	10	5000	199 230 689	199 230 699	4.300	
3	80	10	7000	199 230 690	199 230 700	5.300	
4	100	10	11000	199 230 691	199 230 701	7.700	

Rp [inch]	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]
3/8	50	167	27	62	40	97	92	194	56	25	261	76	48	64
1/2	50	167	27	62	40	97	95	194	56	25	261	76	48	64
3/4	58	176	30	71	40	97	110	194	65	25	261	76	48	72
1	68	176	36	71	40	97	123	194	71	25	261	76	48	79
1 1/4	84	210	44	84	51	115	146	224	85	45	305	95	59	94
1 1/2	97	210	51	84	51	115	157	224	89	45	305	95	59	95
2	124	232	64	106	51	115	183	224	101	45	305	95	59	107
2 1/2	166	262	85	156		70	233	218	136	70	276	65		144
3	200	281	105	168		78	254	259	141	70	341	72		151
4	238	292	123	175		86	301	287	164	120	369	80		174





DN10/15 - 50

Ball valve type 230 PVC-U DA (Double acting) Without manual override With threaded sockets Rp

Model:

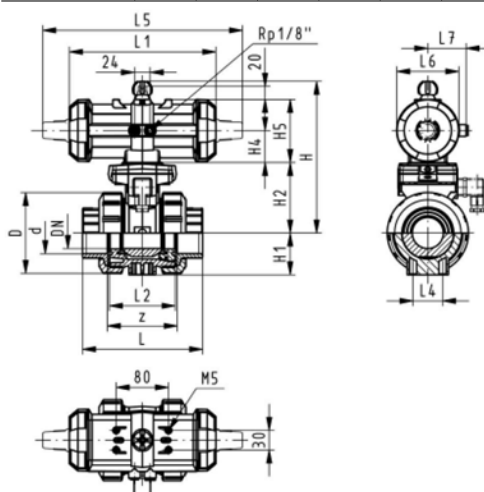
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

Rp [inch]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 230 712	199 230 732	1.200	
1/2	15	10	185	199 230 713	199 230 733	1.200	
3/4	20	10	350	199 230 714	199 230 734	1.300	
1	25	10	700	199 230 715	199 230 735	1.400	
1 1/4	32	10	1000	199 230 716	199 230 736	2.500	
1 1/2	40	10	1600	199 230 717	199 230 737	2.800	
2	50	10	3100	199 230 718	199 230 738	3.700	
2 1/2	65	10	5000	199 230 719	199 230 739	3.200	
3	80	10	7000	199 230 720	199 230 740	4.700	
4	100	10	11000	199 230 721	199 230 741	6.000	

Rp [inch]	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]
3/8	50	167	27	62	40	97	92	194	56	25	261	76	48	64
1/2	50	167	27	62	40	97	95	194	56	25	261	76	48	64
3/4	58	176	30	71	40	97	110	194	65	25	261	76	48	72
1	68	176	36	71	40	97	123	194	71	25	261	76	48	79
1 1/4	84	210	44	84	51	115	146	224	85	45	305	95	59	94
1 1/2	97	210	51	84	51	115	157	224	89	45	305	95	59	95
2	124	232	64	106	51	115	183	224	101	45	305	95	59	107
2 1/2	166	257	85	156		66	233	144	136	70	190	60		144
3	200	274	105	168		70	254	152	141	70	198	65		151
4	238	273	123	175		78	301	169	164	120	235	72		174





Ball valve type 230 PVC-U FC (Fail safe to close) Without manual override With fixed flanges serrated metric

Model:

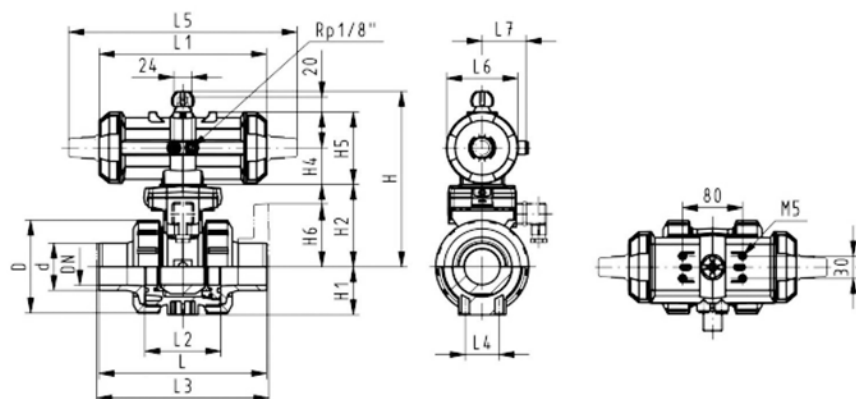
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s
- Overall 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	199 230 303	199 230 313	1.700	
25	20	¾	10	350	199 230 304	199 230 314	1.900	
32	25	1	10	700	199 230 305	199 230 315	2.100	
40	32	1 ¼	10	1000	199 230 306	199 230 316	3.400	
50	40	1 ½	10	1600	199 230 307	199 230 317	3.800	
63	50	2	10	3100	199 230 308	199 230 318	4.900	

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	124	194	56	130	25	261	76	48
25	58	176	30	71	40	97	53	144	194	65	150	25	261	76	48
32	68	176	36	71	40	97	58	154	194	71	160	25	261	76	48
40	84	210	44	84	51	115	70	174	224	85	180	45	305	95	59
50	97	210	51	84	51	115	75	194	224	89	200	45	305	95	59
63	124	232	64	106	51	115	83	224	224	101	230	45	305	95	59





Ball valve type 230 PVC-U FO (Fail safe to open) Without manual override With fixed flanges serrated metric

Model:

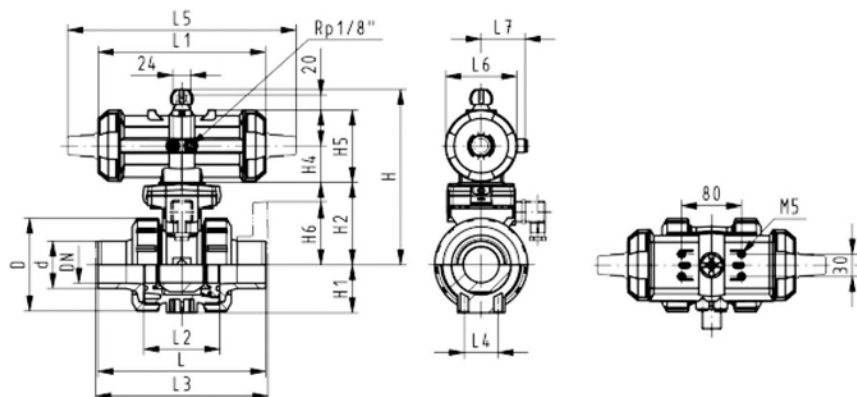
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length 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	199 230 323	199 230 333	1.700	
25	20	¾	10	350	199 230 324	199 230 334	1.900	
32	25	1	10	700	199 230 325	199 230 335	2.100	
40	32	1 ¼	10	1000	199 230 326	199 230 336	3.400	
50	40	1 ½	10	1600	199 230 327	199 230 337	3.800	
63	50	2	10	3100	199 230 328	199 230 338	4.900	

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	124	194	56	130	25	261	76	48
25	58	176	30	71	40	97	53	144	194	65	150	25	261	76	48
32	68	176	36	71	40	97	58	154	194	71	160	25	261	76	48
40	84	210	44	84	51	115	70	174	224	85	180	45	305	95	59
50	97	210	51	84	51	115	75	194	224	89	200	45	305	95	59
63	124	232	64	106	51	115	83	224	224	101	230	45	305	95	59





Ball valve type 230 PVC-U DA (Double acting) Without manual override With fixed flanges metric

Model:

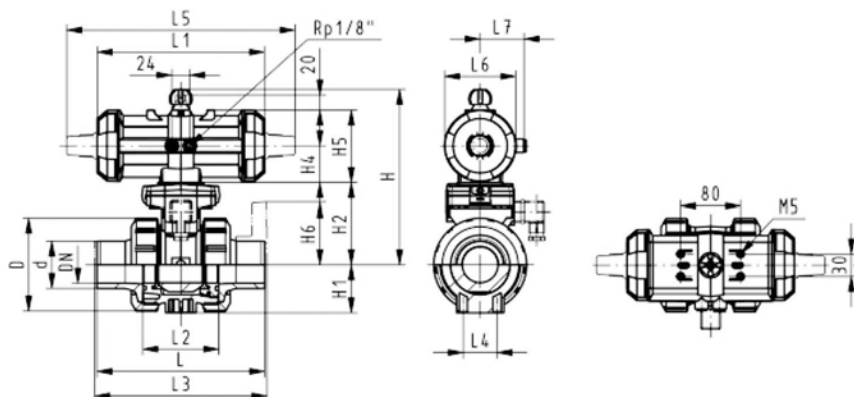
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s
- Overall 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	199 230 343	199 230 353	1.700	
25	20	3/4	10	350	199 230 344	199 230 354	1.900	
32	25	1	10	700	199 230 345	199 230 355	2.100	
40	32	1 1/4	10	1000	199 230 346	199 230 356	3.400	
50	40	1 1/2	10	1600	199 230 347	199 230 357	3.800	
63	50	2	10	3100	199 230 348	199 230 358	4.900	

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	124	194	56	130	25	261	76	48
25	58	176	30	71	40	97	53	144	194	65	150	25	261	76	48
32	68	176	36	71	40	97	58	154	194	71	160	25	261	76	48
40	84	210	44	84	51	115	70	174	224	85	180	45	305	95	59
50	97	210	51	84	51	115	75	194	224	89	200	45	305	95	59
63	124	232	64	106	51	115	83	224	224	101	230	45	305	95	59





Ball valve type 230 PVC-U FC (Fail safe to close) Without manual override With backing flanges PP-st metric

Model:

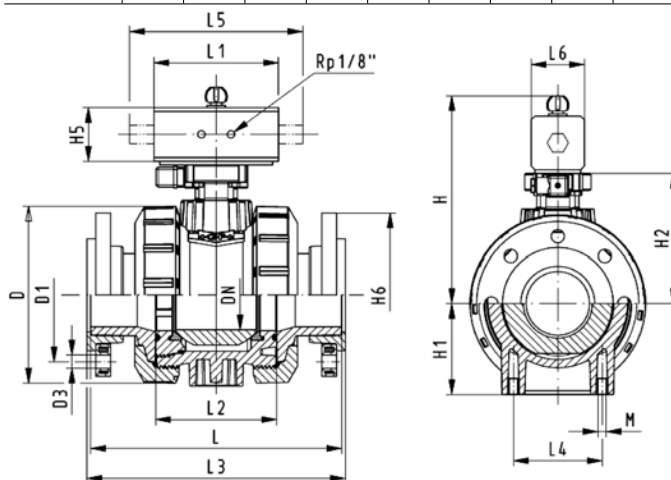
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s
- Overall 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]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
75	65	10	5000	199 234 469	199 234 479	8.500	
90	80	10	7000	199 234 470	199 234 480	10.300	
110	100	10	11000	199 234 471	199 234 481	14.600	

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	284	218	136	290	70	276	65	
90	200	281	105	168	78	100	300	259	141	310	70	341	72	
110	238	292	123	175	86	110	340	287	164	350	120	369	80	





Ball valve type 230 PVC-U FO (Fail safe to open) Without manual override With backing flanges PP-st metric

Model:

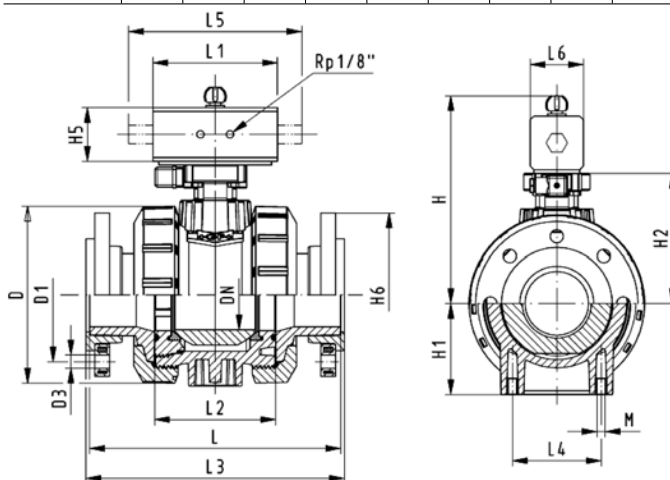
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s
- Overall 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]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	199 234 489	199 234 499	8.500	
 90	80	10	7000	199 234 490	199 234 500	10.300	
 110	100	10	11000	199 234 491	199 234 501	14.600	

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	284	218	136	290	70	276	65	
 90	200	281	105	168	78	100	300	259	141	310	70	341	72	
 110	238	292	123	175	86	110	340	287	164	350	120	369	80	





Ball valve type 230 PVC-U DA (Double acting)

Without manual override

With backing flanges PP-st metric

Model:

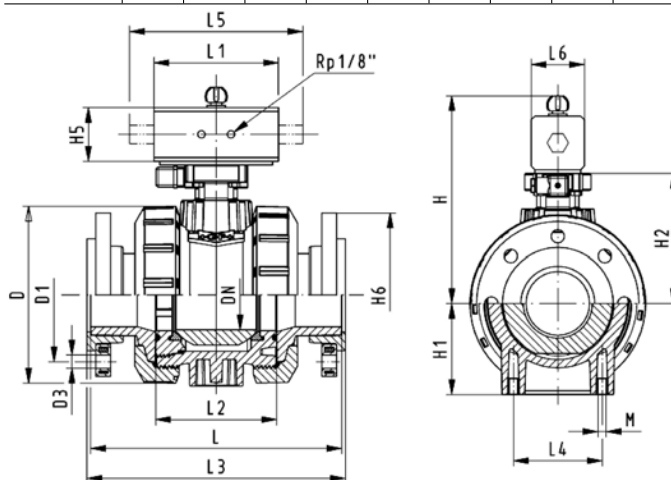
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ < 1-2$ s
- Overall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

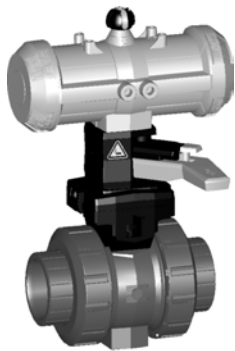
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
 75	65	10	5000	199 234 509	199 234 519	7.300	
 90	80	10	7000	199 234 510	199 234 520	9.600	
 110	100	10	11000	199 234 511	199 234 521	12.800	

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	284	144	136	290	70	190	60	
 90	200	274	105	168	70	100	300	152	141	310	70	198	65	
 110	238	273	123	175	78	110	340	169	164	350	120	235	72	





DN10/15 - 50

Ball valves pneumatic

Ball valve type 234 PVC-U FC (Fail safe to close)

With manual override

With solvent cement sockets Inch BS

Model:

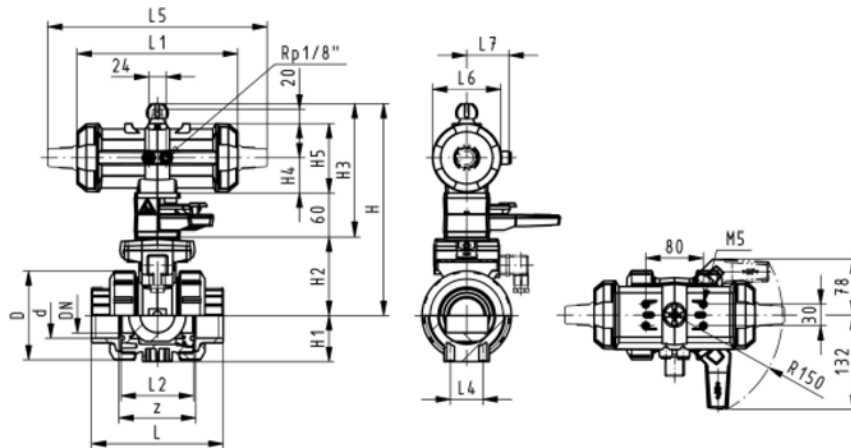
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

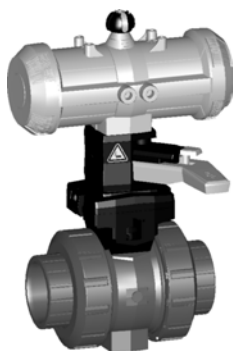
Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 234 002	199 234 012	1.500										
1/2	15	10	185	199 234 003	199 234 013	1.500										
3/4	20	10	350	199 234 004	199 234 014	1.600										
1	25	10	700	199 234 005	199 234 015	1.700										
1 1/4	32	10	1000	199 234 006	199 234 016	2.800										
1 1/2	40	10	1600	199 234 007	199 234 017	3.100										
2	50	10	3100	199 234 008	199 234 018	4.000										

Inch	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]
3/8	50	230	27	62	168	40	97	92	194	56	25	261	76	48	60
1/2	50	230	27	62	168	40	97	95	194	56	25	261	76	48	60
3/4	58	239	30	71	168	40	97	110	194	65	25	261	76	48	69
1	68	239	36	71	168	40	97	123	194	71	25	261	76	48	75
1 1/4	84	271	44	84	187	51	115	146	224	85	45	305	95	59	89
1 1/2	97	271	51	84	187	51	115	157	224	89	45	305	95	59	97
2	124	293	64	106	187	51	115	183	224	101	45	305	95	59	110





DN10/15 - 50

Ball valve type 234 PVC-U FO (Fail safe to open) With manual override With solvent cement sockets Inch BS

Model:

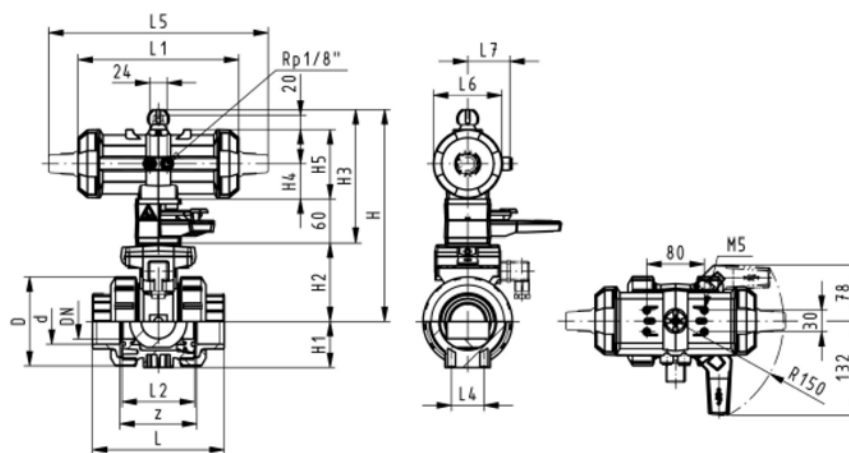
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

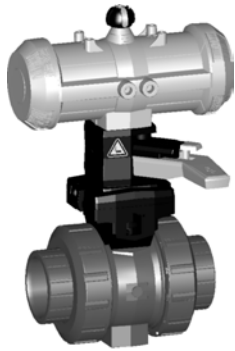
Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 234 042	199 234 052	1.500										
1/2	15	10	185	199 234 043	199 234 053	1.500										
3/4	20	10	350	199 234 044	199 234 054	1.600										
1	25	10	700	199 234 045	199 234 055	1.700										
1 1/4	32	10	1000	199 234 046	199 234 056	2.800										
1 1/2	40	10	1600	199 234 047	199 234 057	3.100										
2	50	10	3100	199 234 048	199 234 058	4.000										

Inch	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]
3/8	50	230	27	62	168	40	97	92	194	56	25	261	76	48	60
1/2	50	230	27	62	168	40	97	95	194	56	25	261	76	48	60
3/4	58	239	30	71	168	40	97	110	194	65	25	261	76	48	69
1	68	239	36	71	168	40	97	123	194	71	25	261	76	48	75
1 1/4	84	271	44	84	187	51	115	146	224	85	45	305	95	59	89
1 1/2	97	271	51	84	187	51	115	157	224	89	45	305	95	59	97
2	124	293	64	106	187	51	115	183	224	101	45	305	95	59	110





DN10/15 - 50

Ball valve type 234 PVC-U DA (Double acting) With manual override With solvent cement sockets Inch BS

Model:

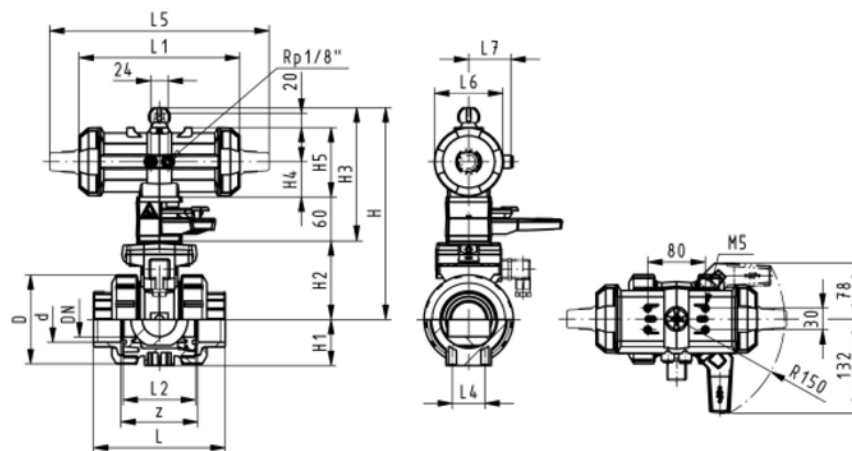
- Built on with pneumatic actuator PA11/21
- Control time 90°<) 1-2 s
- For easy installation and removal
- Integrated stainless steel mounting inserts

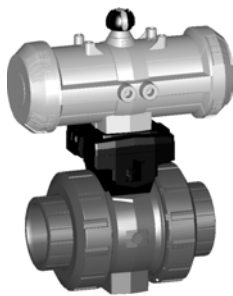
Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg										
3/8	10	10	70	199 234 082	199 234 092	1.500										
1/2	15	10	185	199 234 083	199 234 093	1.500										
3/4	20	10	350	199 234 084	199 234 094	1.600										
1	25	10	700	199 234 085	199 234 095	1.700										
1 1/4	32	10	1000	199 234 086	199 234 096	2.800										
1 1/2	40	10	1600	199 234 087	199 234 097	3.100										
2	50	10	3100	199 234 088	199 234 098	4.000										

Inch	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]
3/8	50	230	27	62	168	40	97	92	194	56	25	261	76	48	60
1/2	50	230	27	62	168	40	97	95	194	56	25	261	76	48	60
3/4	58	239	30	71	168	40	97	110	194	65	25	261	76	48	69
1	68	239	36	71	168	40	97	123	194	71	25	261	76	48	75
1 1/4	84	271	44	84	187	51	115	146	224	85	45	305	95	59	89
1 1/2	97	271	51	84	187	51	115	157	224	89	45	305	95	59	97
2	124	293	64	106	187	51	115	183	224	101	45	305	95	59	110





DN10/15 - 50

Ball valve type 234 PVC-U FC (Fail safe to close) Without manual override With solvent cement sockets Inch BS

Model:

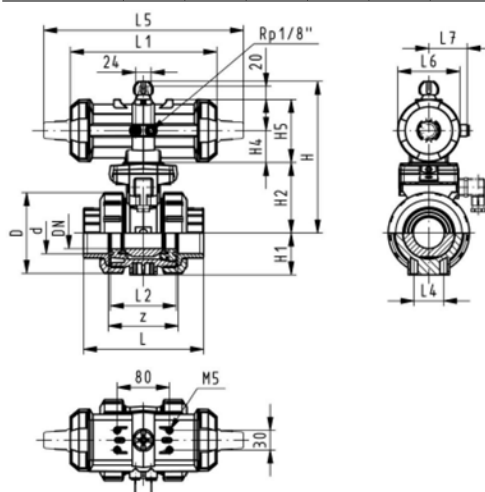
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

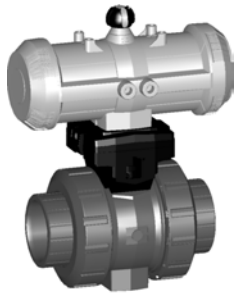
Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 234 122	199 234 132	1.500	
1/2	15	10	185	199 234 123	199 234 133	1.500	
3/4	20	10	350	199 234 124	199 234 134	1.600	
1	25	10	700	199 234 125	199 234 135	1.700	
1 1/4	32	10	1000	199 234 126	199 234 136	2.800	
1 1/2	40	10	1600	199 234 127	199 234 137	3.100	
2	50	10	3100	199 234 128	199 234 138	4.000	
 2 1/2	65	10	5000	199 234 129	199 234 139	4.300	
 3	80	10	7000	199 234 130	199 234 140	5.200	
 4	100	10	11000	199 234 131	199 234 141	7.600	

Inch	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]
3/8	50	167	27	62	40	97	92	194	56	25	261	76	48	60
1/2	50	167	27	62	40	97	95	194	56	25	261	76	48	60
3/4	58	176	30	71	40	97	110	194	65	25	261	76	48	69
1	68	176	36	71	40	97	123	194	71	25	261	76	48	75
1 1/4	84	210	44	84	51	115	146	224	85	45	305	95	59	89
1 1/2	97	210	51	84	51	115	157	224	89	45	305	95	59	97
2	124	232	64	106	51	115	183	224	101	45	305	95	59	110
 2 1/2	166	262	85	156		70	233	218	136	70	276	65		144
 3	200	281	105	168		78	254	259	141	70	341	72		151
 4	238	292	123	175		86	301	287	164	120	369	80		174





DN10/15 - 50

Ball valve type 234 PVC-U FO (Fail safe to open) Without manual override With solvent cement sockets Inch BS

Model:

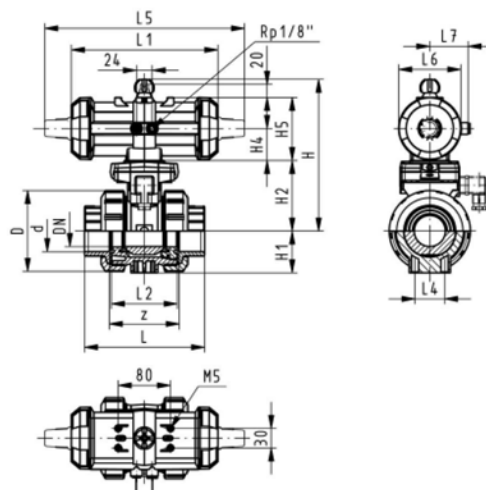
- Assignment of actuators PA11 (DN10/15-25), PA21 (DN32-50), PA30 (DN65), PA35 (DN80), PA40 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ <$ 1-2 s

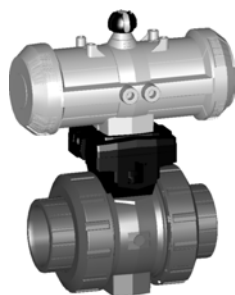
Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 234 162	199 234 172	1.500	
1/2	15	10	185	199 234 163	199 234 173	1.500	
3/4	20	10	350	199 234 164	199 234 174	1.600	
1	25	10	700	199 234 165	199 234 175	1.700	
1 1/4	32	10	1000	199 234 166	199 234 176	2.800	
1 1/2	40	10	1600	199 234 167	199 234 177	3.100	
2	50	10	3100	199 234 168	199 234 178	4.000	
2 1/2	65	10	5000	199 234 169	199 234 179	4.300	
3	80	10	7000	199 234 170	199 234 180	5.200	
4	100	10	11000	199 234 171	199 234 181	7.600	

Inch	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]
3/8	50	167	27	62	40	97	92	194	56	25	261	76	48	60
1/2	50	167	27	62	40	97	95	194	56	25	261	76	48	60
3/4	58	176	30	71	40	97	110	194	65	25	261	76	48	69
1	68	176	36	71	40	97	123	194	71	25	261	76	48	75
1 1/4	84	210	44	84	51	115	146	224	85	45	305	95	59	89
1 1/2	97	210	51	84	51	115	157	224	89	45	305	95	59	97
2	124	232	64	106	51	115	183	224	101	45	305	95	59	110
2 1/2	166	262	85	156		70	233	218	136	70	276	65		144
3	200	281	105	168		78	254	259	141	70	341	72		151
4	238	292	123	175		86	301	287	164	120	369	80		174





DN10/15 - 50

Ball valve type 234 PVC-U DA (Double acting) Without manual override With solvent cement sockets Inch BS

Model:

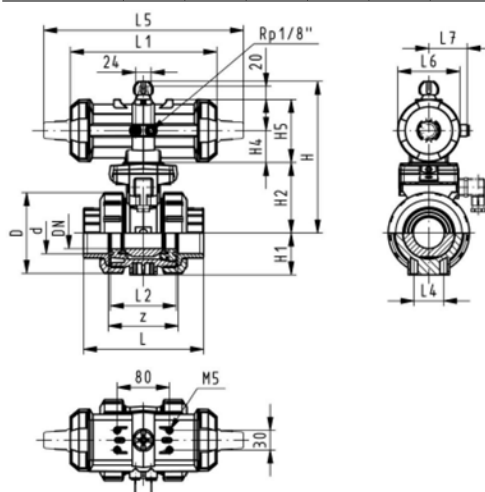
- Assignment of actuators: PA11 (DN10/15-25), PA21 (DN32-50), PA35 (DN65), PA40 (DN80), PA45 (DN100)
- Image and drawing DN65-100 please see **New product ball valve DN65-100**
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
3/8	10	10	70	199 234 202	199 234 212	1.500	
1/2	15	10	185	199 234 203	199 234 213	1.500	
3/4	20	10	350	199 234 204	199 234 214	1.600	
1	25	10	700	199 234 205	199 234 215	1.700	
1 1/4	32	10	1000	199 234 206	199 234 216	2.800	
1 1/2	40	10	1600	199 234 207	199 234 217	3.100	
2	50	10	3100	199 234 208	199 234 218	4.000	
2 1/2	65	10	5000	199 234 209	199 234 219	3.100	
3	80	10	7000	199 234 210	199 234 220	4.600	
4	100	10	11000	199 234 211	199 234 221	5.800	

Inch	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]
3/8	50	167	27	62	40	97	92	194	56	25	261	76	48	60
1/2	50	167	27	62	40	97	95	194	56	25	261	76	48	60
3/4	58	176	30	71	40	97	110	194	65	25	261	76	48	69
1	68	176	36	71	40	97	123	194	71	25	261	76	48	75
1 1/4	84	210	44	84	51	115	146	224	85	45	305	95	59	89
1 1/2	97	210	51	84	51	115	157	224	89	45	305	95	59	97
2	124	232	64	106	51	115	183	224	101	45	305	95	59	110
2 1/2	166	257	85	156		66	233	144	136	70	190	60		144
3	200	274	105	168		70	254	152	141	70	198	65		151
4	238	273	123	175		78	301	169	164	120	235	72		174



Copiable

Configurator GF Ball Valve Type 546 PVC-U

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 put together a selection menu for you (the maximum working pressure of the whole valve is determined by the maximum permissible nominal pressure of the connecting part).

Ball valve
A01 Ball valve 546

Material
B01 PVC-U

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 for inch ASTM (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
G01 PVC-U Cement socket metric
G03 PVC-U Cement socket inch ASTM
G04 PVC-U Cement socket inch BS
G05 PVC-U Cement spigot metric
G06 PVC-U Threaded socket Rp
G07 PVC-U Threaded socket Rp reinforced (DN10-50)
G09 PVC-U Threaded socket NPT
G30 PP-H Fusion socket metric
G32 PP-H Socket fusion spigot metric
G33 PP-H Threaded socket Rp
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)
G37 PP-H Butt fusion spigot long SDR11 metric
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)
G60 Fixed flange PVC-U serrated metric
G61 Fixed flange PVC-U flat metric
G70 Backing flange PVC-U metric
G71 Backing flange PVC-U inch ANSI
G72 Backing flange PP-steel metric
G73 Backing flange PP-steel ANSI
G78 Backing flange PVC-U JIS (DN65-100)
G80 PVC-U Valve end blank

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

Handle
K01 Standard handle red
K02 Standard handle black
K11 Multi-functional handle red

Mounting plate
L01 without mounting plate
L02 with mounting plate

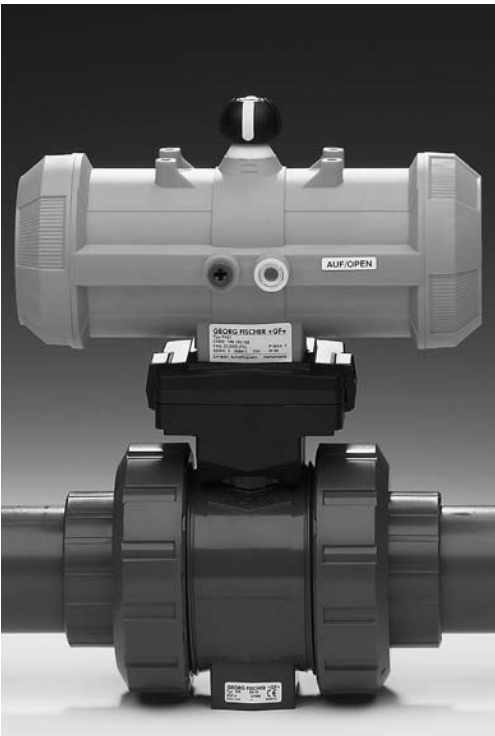
A01	B01	C	D	E	F	G	G	I	K	L
						left	right			

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	