

Ball valves electric

SYGEF® standard Ball valve type 107 100-230V With manual emergency override With butt fusion spigots metric

E



DN10/15 - 50

Model:

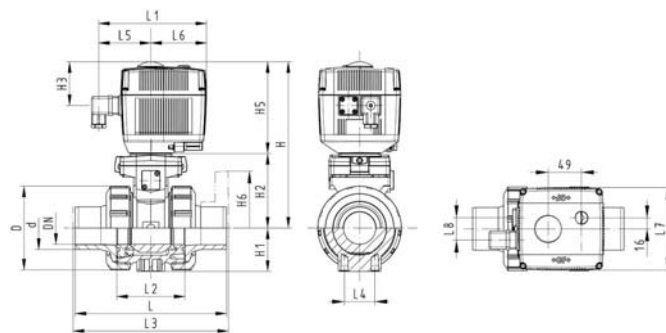
- Built on with electric actuator EA11
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	
20	15	10	185	199 107 423	
25	20	10	350	199 107 424	
32	25	10	700	199 107 425	
40	32	10	1000	199 107 426	
50	40	10	1600	199 107 427	
63	50	10	3100	199 107 428	

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]	
20	50	200	27	64	64	137	130	161	56	25	79	83	122	67	
25	58	209	30	73	64	137	143	161	65	25	79	83	122	67	
32	68	209	36	73	64	137	150	161	71	25	79	83	122	67	
40	84	220	44	84	64	137	171	161	85	45	79	83	122	67	
50	97	220	51	84	64	137	191	161	89	45	79	83	122	67	
63	124	243	64	106	64	137	220	161	101	45	79	83	122	67	



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 107 100-230V With manual emergency override With fusion sockets metric

E

Model:

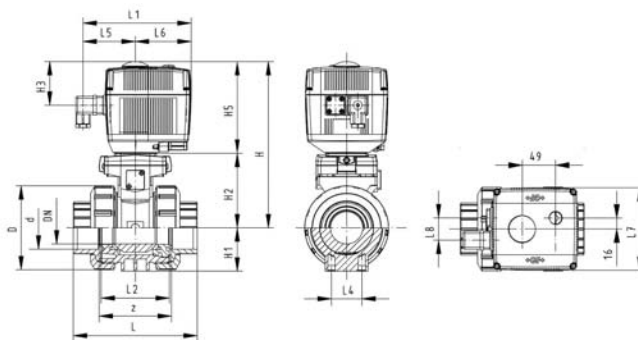
- Built on with electric actuator EA11
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 107 802	2.100										
20	15	10	185	199 107 803	2.100										
25	20	10	350	199 107 804	2.200										
32	25	10	700	199 107 805	2.300										
40	32	10	1000	199 107 806	2.600										
50	40	10	1600	199 107 807	3.000										
63	50	10	3100	199 107 808	3.800										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	z [mm]
16	50	200	27	64	64	137	92	161	56	25	79	83	122	67	64
20	50	200	27	64	64	137	95	161	56	25	79	83	122	67	64
25	58	209	30	73	64	137	110	161	65	25	79	83	122	67	72
32	68	209	36	73	64	137	123	161	71	25	79	83	122	67	79
40	84	220	44	84	64	137	146	161	85	45	79	83	122	67	94
50	97	220	51	84	64	137	157	161	89	45	79	83	122	67	95
63	124	243	64	106	64	137	183	161	101	45	79	83	122	67	107



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 107 100-230V With manual emergency override With fusion spigots metric

E

Model:

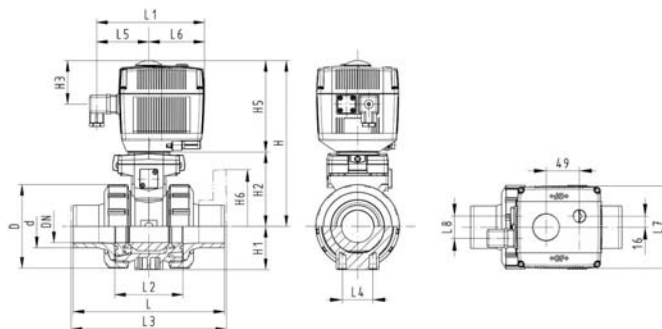
- Built on with electric actuator EA11
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time 5 s/90°<
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

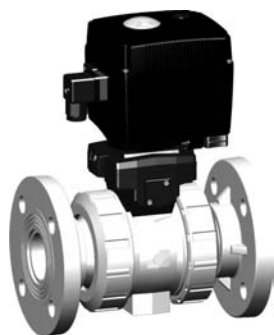
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg											
16	10	10	70	199 107 812	2.100											
20	15	10	185	199 107 813	2.100											
25	20	10	350	199 107 814	2.200											
32	25	10	700	199 107 815	2.300											
40	32	10	1000	199 107 816	2.600											
50	40	10	1600	199 107 817	3.000											
63	50	10	3100	199 107 818	3.800											

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]
16	50	200	27	64	64	137	114	161	56	0	25	79	83	122	67
20	50	200	27	64	64	137	124	161	56	130	25	79	83	122	67
25	58	209	30	73	64	137	144	161	65	150	25	79	83	122	67
32	68	209	36	73	64	137	154	161	71	160	25	79	83	122	67
40	84	220	44	84	64	137	174	161	85	180	45	79	83	122	67
50	97	220	51	84	64	137	194	161	89	200	45	79	83	122	67
63	124	243	64	106	64	137	224	161	101	230	45	79	83	122	67



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 107 100-230V With manual emergency override With fixed flanges PVDF serrated metric

E

Model:

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

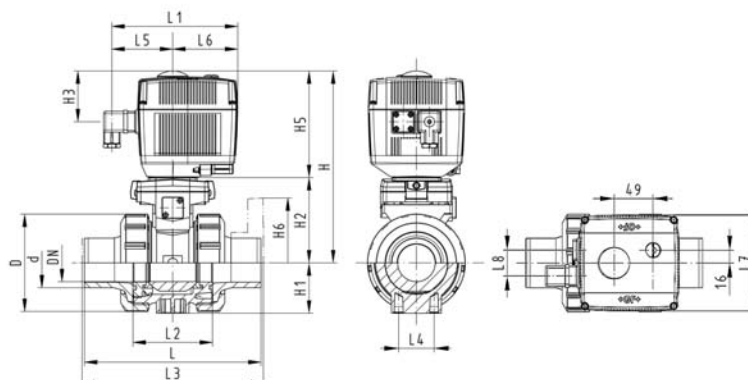
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
20	15	½	10	185	199 107 843	2.300	
25	20	¾	10	350	199 107 844	2.500	
32	25	1	10	700	199 107 845	2.700	
40	32	1 ¼	10	1000	199 107 846	3.200	
50	40	1 ½	10	1600	199 107 847	3.700	
63	50	2	10	3100	199 107 848	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



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 107 24V With manual emergency override With butt fusion spigots metric

E

Model:

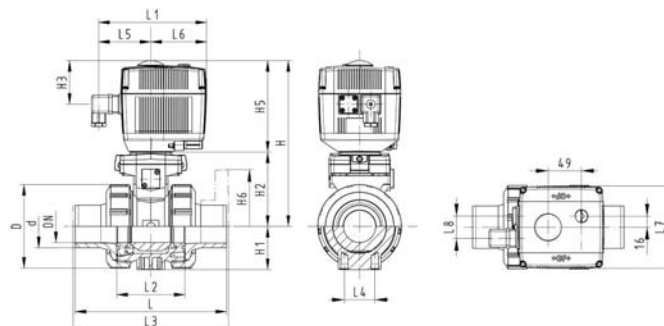
- Built on with electric actuator EA11
- Voltage 24 V AC/DC
- Control range 90°<
- Control time 5 s/90°<
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	
20	15	10	185	199 107 433	
25	20	10	350	199 107 434	
32	25	10	700	199 107 435	
40	32	10	1000	199 107 436	
50	40	10	1600	199 107 437	
63	50	10	3100	199 107 438	

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]	
20	50	200	27	64	64	137	130	161	56	25	79	83	122	67	
25	58	209	30	73	64	137	143	161	65	25	79	83	122	67	
32	68	209	36	73	64	137	150	161	71	25	79	83	122	67	
40	84	220	44	84	64	137	171	161	85	45	79	83	122	67	
50	97	220	51	84	64	137	191	161	89	45	79	83	122	67	
63	124	243	64	106	64	137	220	161	101	45	79	83	122	67	



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 107 24V With manual emergency override With fusion sockets metric

E

Model:

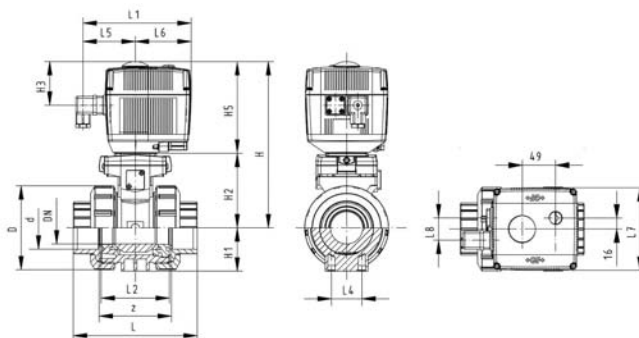
- Built on with electric actuator EA11
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 107 822	2.100										
20	15	10	185	199 107 823	2.100										
25	20	10	350	199 107 824	2.200										
32	25	10	700	199 107 825	2.300										
40	32	10	1000	199 107 826	2.600										
50	40	10	1600	199 107 827	3.000										
63	50	10	3100	199 107 828	3.800										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	z [mm]
16	50	200	27	64	64	137	92	161	56	25	79	83	122	67	64
20	50	200	27	64	64	137	95	161	56	25	79	83	122	67	64
25	58	209	30	73	64	137	110	161	65	25	79	83	122	67	72
32	68	209	36	73	64	137	123	161	71	25	79	83	122	67	79
40	84	220	44	84	64	137	146	161	85	45	79	83	122	67	94
50	97	220	51	84	64	137	157	161	89	45	79	83	122	67	95
63	124	243	64	106	64	137	183	161	101	45	79	83	122	67	107



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 107 24V With manual emergency override With fusion spigots metric

E

Model:

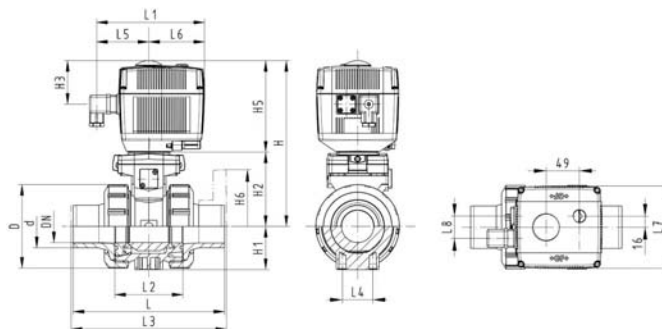
- Built on with electric actuator EA11
- Voltage 24 V AC/DC
- Control range 90°<
- Control time 5 s/90°<
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

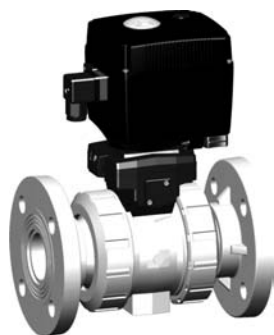
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg											
16	10	10	70	199 107 832	2.100											
20	15	10	185	199 107 833	2.100											
25	20	10	350	199 107 834	2.200											
32	25	10	700	199 107 835	2.300											
40	32	10	1000	199 107 836	2.600											
50	40	10	1600	199 107 837	3.000											
63	50	10	3100	199 107 838	3.800											

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]
16	50	200	27	64	64	137	114	161	56	0	25	79	83	122	67
20	50	200	27	64	64	137	124	161	56	130	25	79	83	122	67
25	58	209	30	73	64	137	144	161	65	150	25	79	83	122	67
32	68	209	36	73	64	137	154	161	71	160	25	79	83	122	67
40	84	220	44	84	64	137	174	161	85	180	45	79	83	122	67
50	97	220	51	84	64	137	194	161	89	200	45	79	83	122	67
63	124	243	64	106	64	137	224	161	101	230	45	79	83	122	67



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 107 24V With manual emergency override With fixed flanges PVDF serrated metric

E

Model:

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

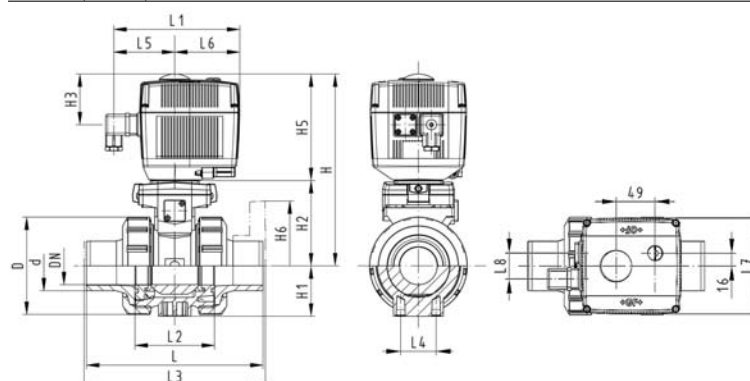
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
20	15	½	10	185	199 107 853	2.300	
25	20	¾	10	350	199 107 854	2.500	
32	25	1	10	700	199 107 855	2.700	
40	32	1 ¼	10	1000	199 107 856	3.200	
50	40	1 ½	10	1600	199 107 857	3.700	
63	50	2	10	3100	199 107 858	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



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 100-230V With manual emergency override With butt fusion spigots metric

E

Model:

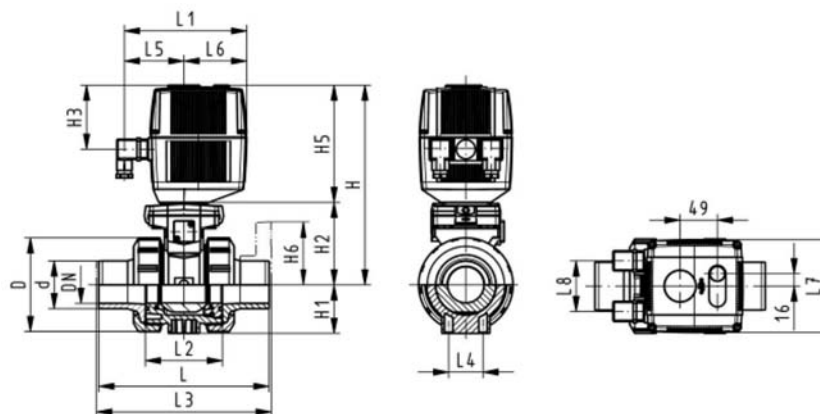
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<
- Control time 5 s/90°<
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

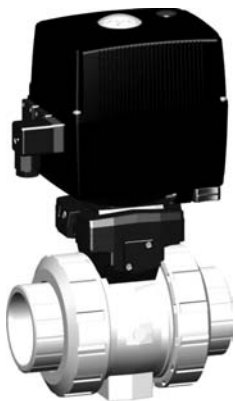
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	
20	15	10	185	199 132 113	
25	20	10	350	199 132 114	
32	25	10	700	199 132 115	
40	32	10	1000	199 132 116	
50	40	10	1600	199 132 117	
63	50	10	3100	199 132 118	

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]	
20	50	231	27	64	94	167	130	180	56	25	97	83	122	66	
25	58	240	30	73	94	167	143	180	65	25	97	83	122	66	
32	68	240	36	73	94	167	150	180	71	25	97	83	122	66	
40	84	251	44	84	94	167	171	180	85	45	97	83	122	66	
50	97	251	51	84	94	167	191	180	89	45	97	83	122	66	
63	124	273	64	106	94	167	220	180	101	45	97	83	122	66	



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 100-230V With manual emergency override With fusion sockets metric

E

Model:

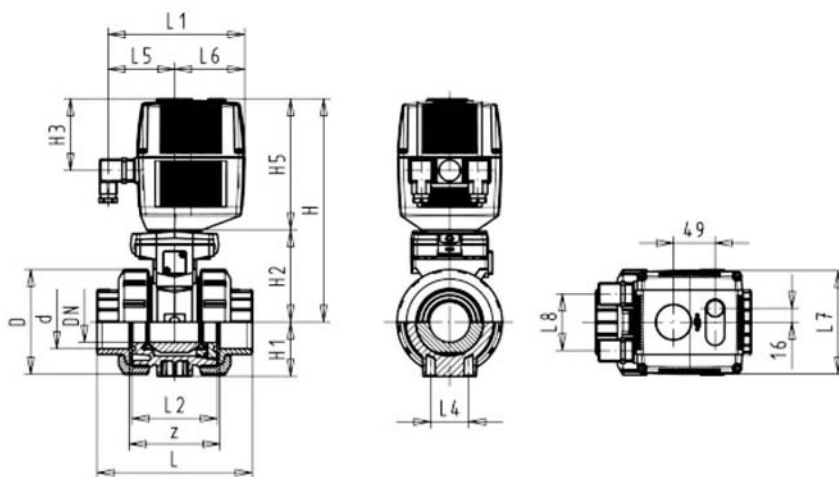
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 132 012	2.100										
20	15	10	185	199 132 013	2.100										
25	20	10	350	199 132 014	2.200										
32	25	10	700	199 132 015	2.300										
40	32	10	1000	199 132 016	2.600										
50	40	10	1600	199 132 017	3.000										
63	50	10	3100	199 132 018	3.800										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	z [mm]
16	50	231	27	64	94	167	92	180	56	25	97	83	122	66	64
20	50	231	27	64	94	167	95	180	56	25	97	83	122	66	64
25	58	240	30	73	94	167	110	180	65	25	97	83	122	66	72
32	68	240	36	73	94	167	123	180	71	25	97	83	122	66	79
40	84	251	44	84	94	167	146	180	85	45	97	83	122	66	94
50	97	251	51	84	94	167	157	180	89	45	97	83	122	66	95
63	124	273	64	106	94	167	183	180	101	45	97	83	122	66	107



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 100-230V With manual emergency override With fusion spigots metric

E

Model:

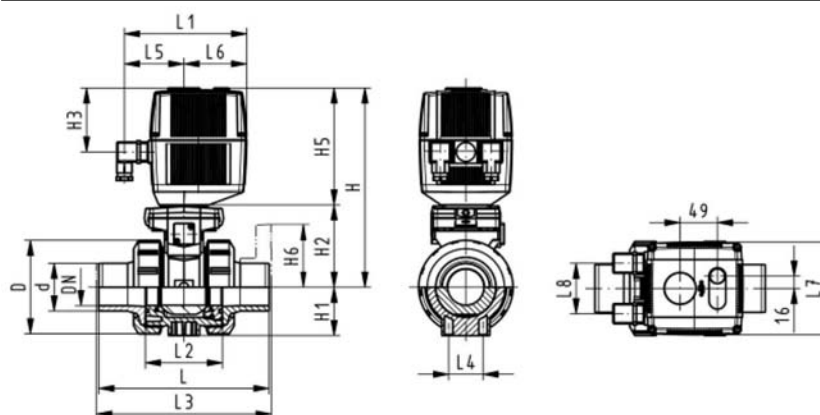
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Voltage 100-230 V, 50-60 Hz
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

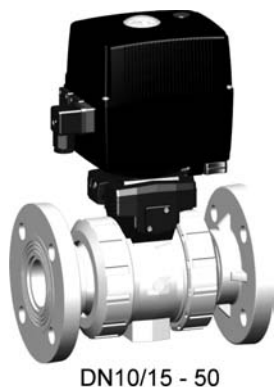
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg											
16	10	10	70	199 132 032	2.100											
20	15	10	185	199 132 033	2.100											
25	20	10	350	199 132 034	2.200											
32	25	10	700	199 132 035	2.300											
40	32	10	1000	199 132 036	2.600											
50	40	10	1600	199 132 037	3.000											
63	50	10	3100	199 132 038	3.800											

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]
16	50	231	27	64	94	167	114	180	56	130	25	97	83	122	66
20	50	231	27	64	94	167	124	180	56	130	25	97	83	122	66
25	58	240	30	73	94	167	144	180	65	150	25	97	83	122	66
32	68	240	36	73	94	167	154	180	71	160	25	97	83	122	66
40	84	251	44	84	94	167	174	180	85	180	45	97	83	122	66
50	97	251	51	84	94	167	194	180	89	200	45	97	83	122	66
63	124	273	64	106	94	167	224	180	101	230	45	97	83	122	66



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 100-230V With manual emergency override With fixed flanges PVDF serrated metric

E

Model:

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

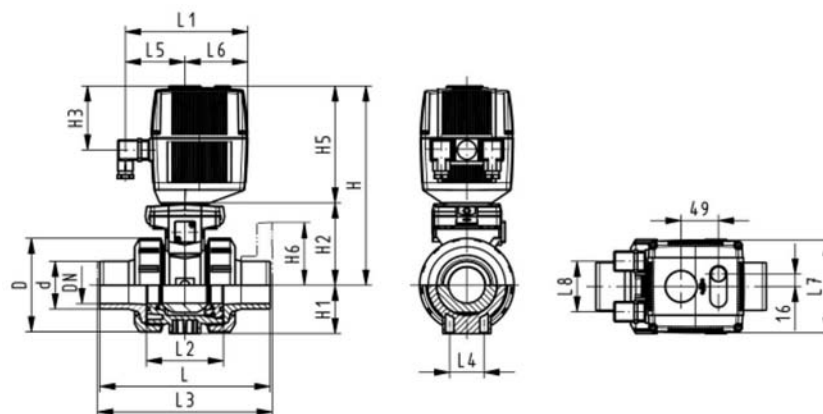
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg										
20	15	½	10	185	199 132 083	2.300										
25	20	¾	10	350	199 132 084	2.500										
32	25	1	10	700	199 132 085	2.700										
40	32	1 ¼	10	1000	199 132 086	3.200										
50	40	1 ½	10	1600	199 132 087	3.700										
63	50	2	10	3100	199 132 088	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



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 24V With manual emergency override With butt fusion spigots metric

E

Model:

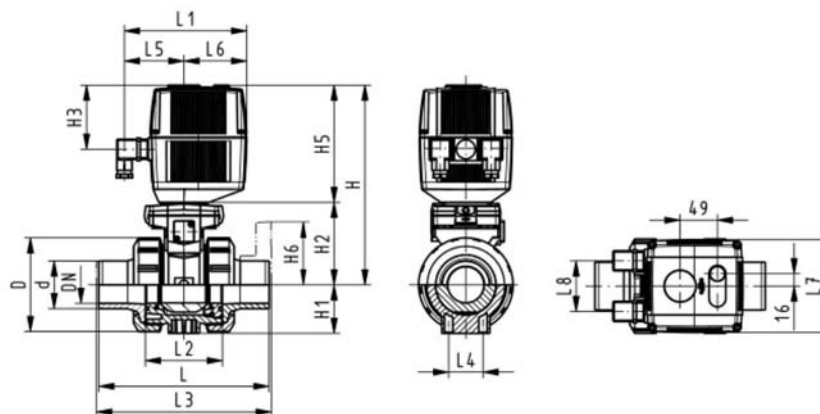
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Voltage 24 V AC/DC
- Control range 90°<
- Control time 5 s/90°<
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

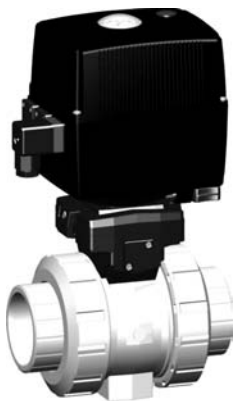
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	
20	15	10	185	199 132 153	
25	20	10	350	199 132 154	
32	25	10	700	199 132 155	
40	32	10	1000	199 132 156	
50	40	10	1600	199 132 157	
63	50	10	3100	199 132 158	

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]	
20	50	231	27	64	94	167	130	180	56	25	97	83	122	66	
25	58	240	30	73	94	167	143	180	65	25	97	83	122	66	
32	68	240	36	73	94	167	150	180	71	25	97	83	122	66	
40	84	251	44	84	94	167	171	180	85	45	97	83	122	66	
50	97	251	51	84	94	167	191	180	89	45	97	83	122	66	
63	124	273	64	106	94	167	220	180	101	45	97	83	122	66	



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 24V With manual emergency override With fusion sockets metric

E

Model:

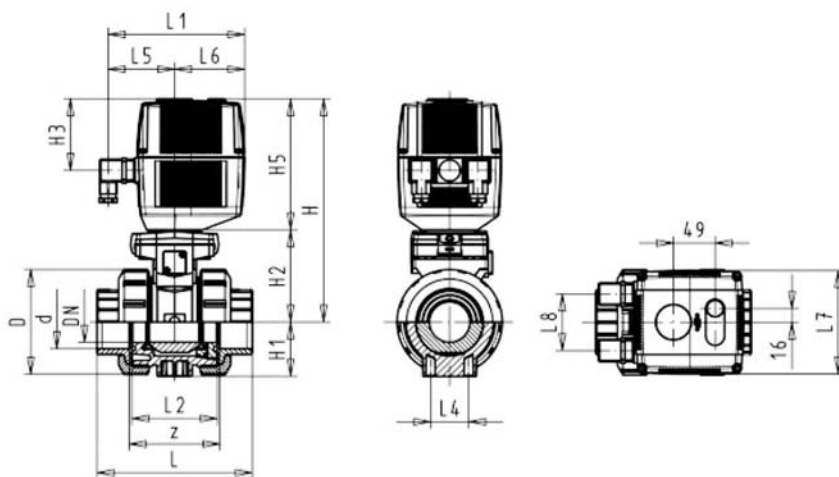
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Voltage 24 V AC/DC
- Control range 90°<)
- Control time 5 s/90°<)
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 132 052	2.100										
20	15	10	185	199 132 053	2.100										
25	20	10	350	199 132 054	2.200										
32	25	10	700	199 132 055	2.300										
40	32	10	1000	199 132 056	2.600										
50	40	10	1600	199 132 057	3.000										
63	50	10	3100	199 132 058	3.800										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]	z [mm]
16	50	231	27	64	94	167	92	180	56	25	97	83	122	66	64
20	50	231	27	64	94	167	95	180	56	25	97	83	122	66	64
25	58	240	30	73	94	167	110	180	65	25	97	83	122	66	72
32	68	240	36	73	94	167	123	180	71	25	97	83	122	66	79
40	84	251	44	84	94	167	146	180	85	45	97	83	122	66	94
50	97	251	51	84	94	167	157	180	89	45	97	83	122	66	95
63	124	273	64	106	94	167	183	180	101	45	97	83	122	66	107



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 24V With manual emergency override With fusion spigots metric

E

Model:

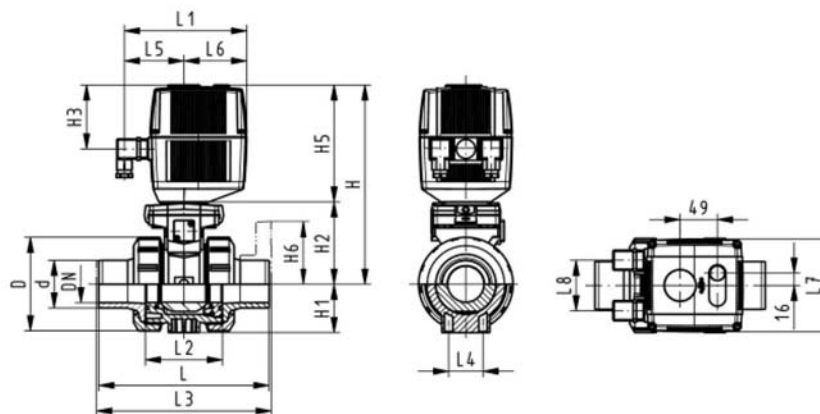
- Assignment of actuators EA21 (DN10/15-50), EA31 (DN65-100 if available)
- Voltage 24 V AC/DC
- Control range 90°<
- Control time 5 s/90°<
- For easy installation and removal
- Integrated stainless steel mounting inserts

Option:

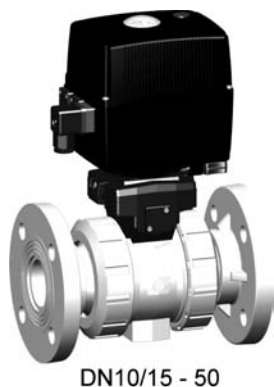
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	70	199 132 072	2.100	
20	15	10	185	199 132 073	2.100	
25	20	10	350	199 132 074	2.200	
32	25	10	700	199 132 075	2.300	
40	32	10	1000	199 132 076	2.600	
50	40	10	1600	199 132 077	3.000	
63	50	10	3100	199 132 078	3.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	L8 [mm]
16	50	231	27	64	94	167	114	180	56	130	25	97	83	122	66
20	50	231	27	64	94	167	124	180	56	130	25	97	83	122	66
25	58	240	30	73	94	167	144	180	65	150	25	97	83	122	66
32	68	240	36	73	94	167	154	180	71	160	25	97	83	122	66
40	84	251	44	84	94	167	174	180	85	180	45	97	83	122	66
50	97	251	51	84	94	167	194	180	89	200	45	97	83	122	66
63	124	273	64	106	94	167	224	180	101	230	45	97	83	122	66



PF 3 39 695



DN10/15 - 50

SYGEF® standard Ball valve type 132 24V With manual emergency override With fixed flanges PVDF serrated metric

E

Model:

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

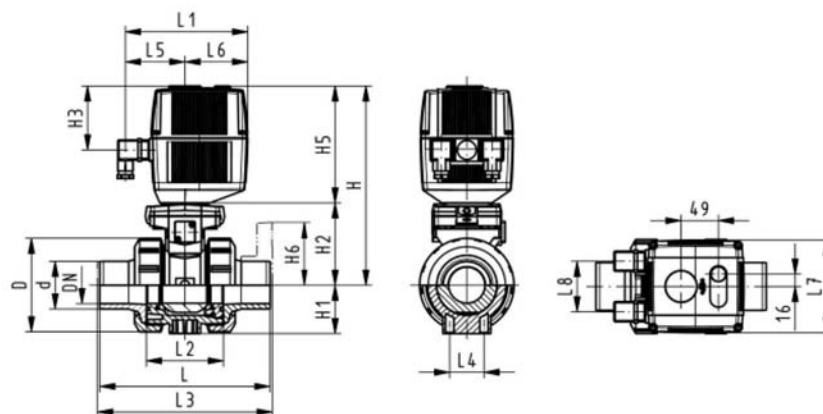
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
20	15	½	10	185	199 132 093	2.300	
25	20	¾	10	350	199 132 094	2.500	
32	25	1	10	700	199 132 095	2.700	
40	32	1 ¼	10	1000	199 132 096	3.200	
50	40	1 ½	10	1600	199 132 097	3.700	
63	50	2	10	3100	199 132 098	4.800	

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	231	27	64	94	167	48	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



PF 3 39 695



SYGEF® standard
3-Way ball valve type 177
Horizontal/L-port 100-230V
With manual emergency override
With butt fusion spigots IR metric

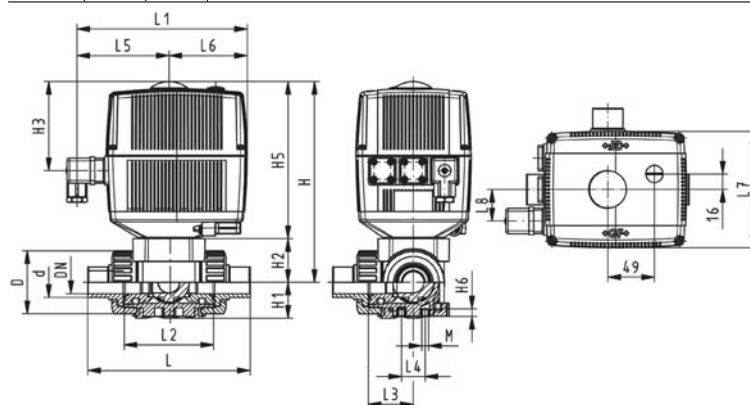
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 177 052	2.178	
20	15	10	75	199 177 053	2.461	
25	20	10	150	199 177 054	2.408	
32	25	10	280	199 177 055	2.474	
40	32	10	480	199 177 056	3.053	
50	40	10	620	199 177 057	3.744	
63	50	10	1230	199 177 058	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/L-port 100-230V
With manual emergency override
With fusion sockets

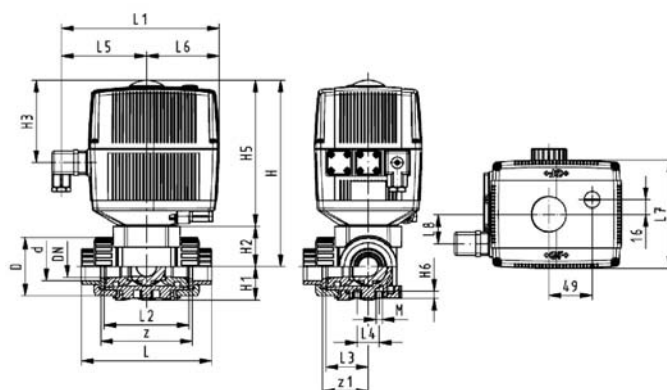
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 177 092	2.200	
20	15	10	75	199 177 093	2.121	
25	20	10	150	199 177 094	2.408	
32	25	10	280	199 177 095	2.618	
40	32	10	480	199 177 096	3.053	
50	40	10	620	199 177 097	3.744	
63	50	10	1230	199 177 098	5.468	

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]	
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122	
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122	
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122	
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122	
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122	
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122	
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122	

d [mm]	L8 [mm]	M	
16	33	6	
20	33	6	
25	33	6	
32	33	6	
40	33	8	
50	33	8	
63	33	8	



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/L-port 100-230V
With manual emergency override
With socket fusion spigots

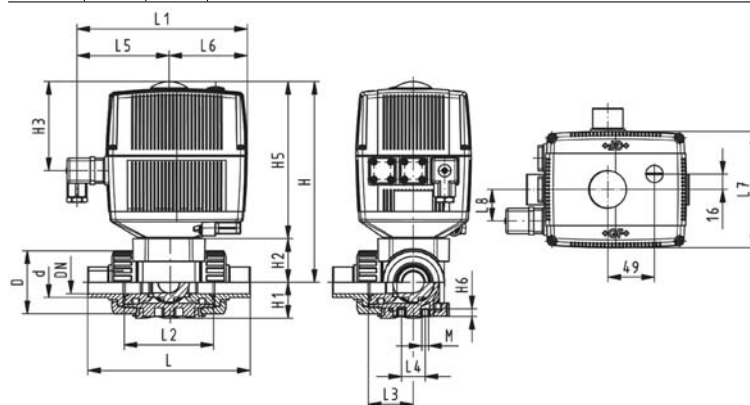
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 177 012	2.178	
20	15	10	75	199 177 013	2.178	
25	20	10	150	199 177 014	2.408	
32	25	10	280	199 177 015	2.618	
40	32	10	480	199 177 016	3.053	
50	40	10	620	199 177 017	3.744	
63	50	10	1230	199 177 018	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/L-port 24V
With manual emergency override
With butt fusion spigots IR metric

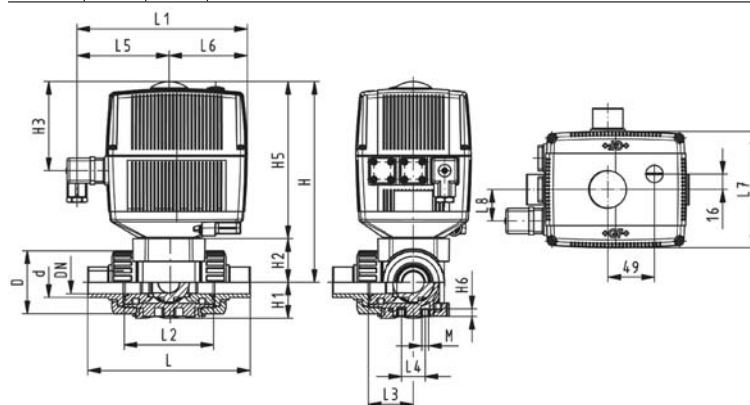
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 177 172	2.178	
20	15	10	75	199 177 173	2.178	
25	20	10	150	199 177 174	2.408	
32	25	10	280	199 177 175	2.297	
40	32	10	480	199 177 176	3.053	
50	40	10	620	199 177 177	3.744	
63	50	10	1230	199 177 178	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/L-port 24V
With manual emergency override
With fusion sockets

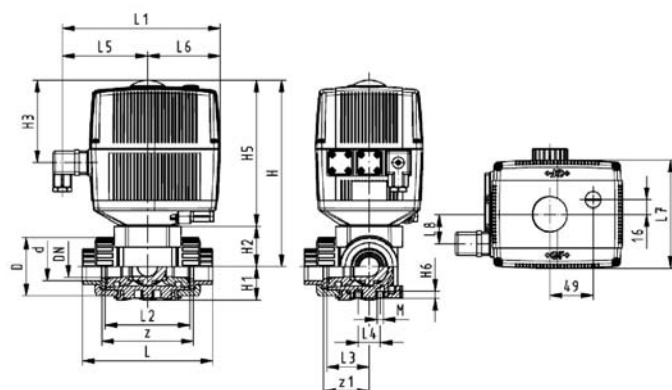
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 177 212	2.178	
20	15	10	75	199 177 213	2.178	
25	20	10	150	199 177 214	2.408	
32	25	10	280	199 177 215	2.618	
40	32	10	480	199 177 216	3.053	
50	40	10	620	199 177 217	3.744	
63	50	10	1230	199 177 218	3.818	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/L-port 24V
With manual emergency override
With socket fusion spigots

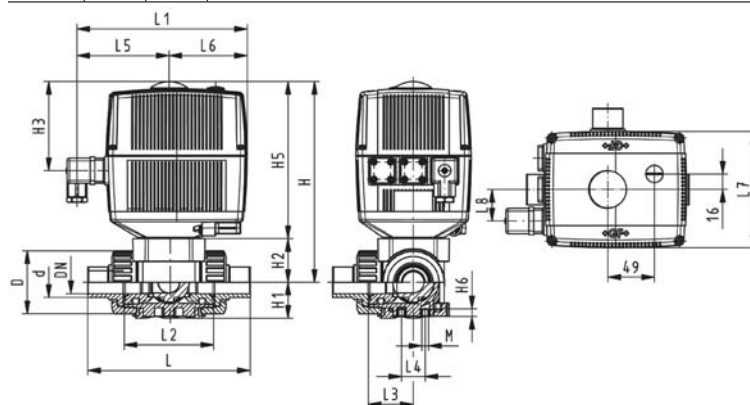
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 177 132	2.178	
20	15	10	75	199 177 133	2.178	
25	20	10	150	199 177 134	2.408	
32	25	10	280	199 177 135	2.618	
40	32	10	480	199 177 136	3.053	
50	40	10	620	199 177 137	3.744	
63	50	10	1230	199 177 138	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/T-port 100-230V
With manual emergency override
With butt fusion spigots IR metric

E

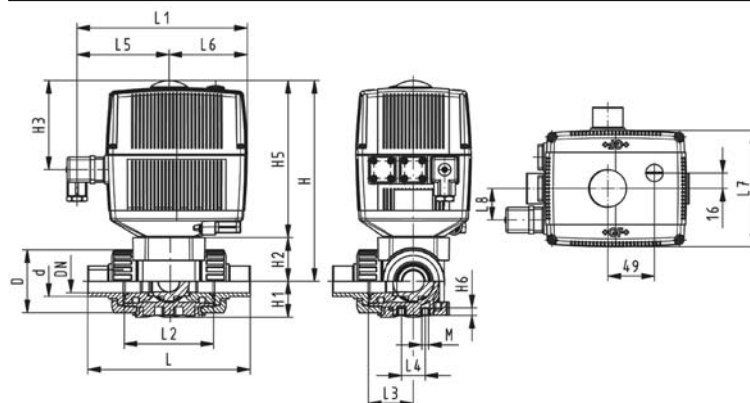
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 177 072	2.178	
20	15	10	200	199 177 073	2.178	
25	20	10	470	199 177 074	2.408	
32	25	10	793	199 177 075	2.618	
40	32	10	1290	199 177 076	3.053	
50	40	10	1910	199 177 077	3.105	
63	50	10	3100	199 177 078	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M	
16	33	6	
20	33	6	
25	33	6	
32	33	6	
40	33	8	
50	33	8	
63	33	8	



PF 3 39 749



SYGEF® standard 3-Way ball valve type 177 Horizontal/T-port 100-230V With manual emergency override With fusion sockets

E

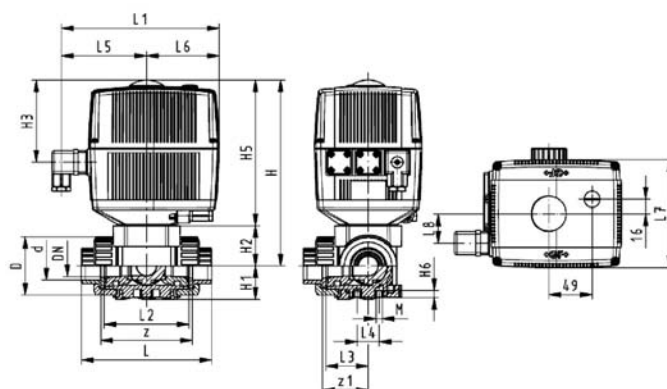
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg
16	10	10	140	199 177 112	2.178
20	15	10	200	199 177 113	2.178
25	20	10	470	199 177 114	2.408
32	25	10	793	199 177 115	2.618
40	32	10	1290	199 177 116	3.053
50	40	10	1910	199 177 117	3.744
63	50	10	3100	199 177 118	3.818

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/T-port 100-230V
With manual emergency override
With socket fusion spigots

E

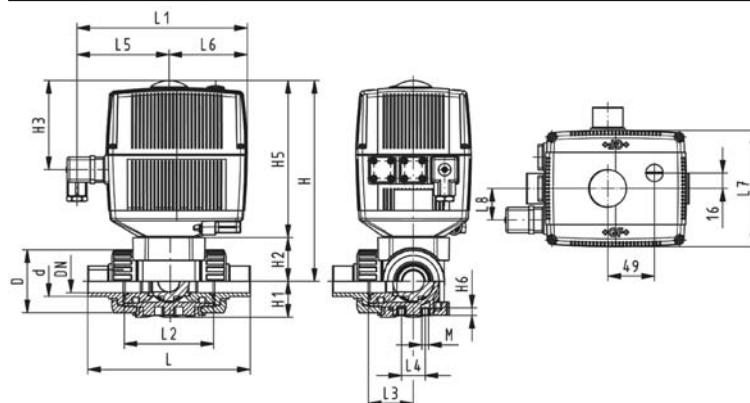
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 177 032	2.178	
20	15	10	200	199 177 033	2.178	
25	20	10	470	199 177 034	2.408	
32	25	10	793	199 177 035	2.618	
40	32	10	1290	199 177 036	3.053	
50	40	10	1910	199 177 037	3.744	
63	50	10	3100	199 177 038	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M	
16	33	6	
20	33	6	
25	33	6	
32	33	6	
40	33	8	
50	33	8	
63	33	8	



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/T-port 24V
With manual emergency override
With butt fusion spigots IR metric

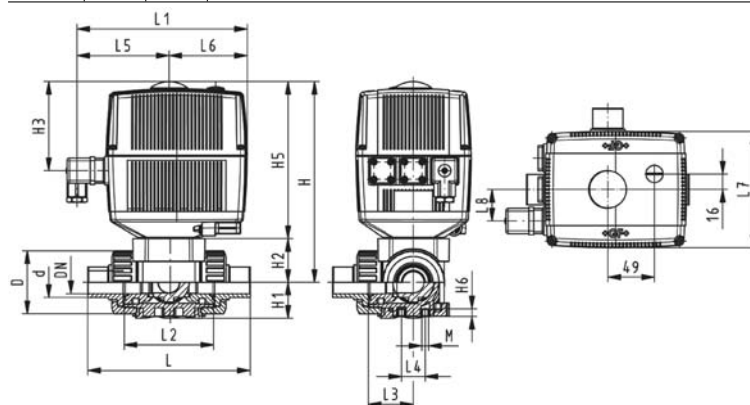
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 177 192	2.178	
20	15	10	200	199 177 193	2.178	
25	20	10	470	199 177 194	2.408	
32	25	10	793	199 177 195	2.618	
40	32	10	1290	199 177 196	3.053	
50	40	10	1910	199 177 197	3.744	
63	50	10	3100	199 177 198	5.468	

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]	
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122	
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122	
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122	
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122	
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122	
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122	
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122	

d [mm]	L8 [mm]	M	
16	33	6	
20	33	6	
25	33	6	
32	33	6	
40	33	8	
50	33	8	
63	33	8	



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/T-port 24V
With manual emergency override
With fusion sockets

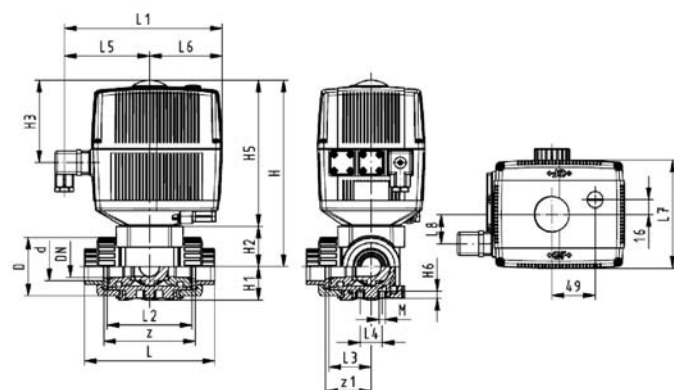
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 177 232	2.178	
20	15	10	200	199 177 233	2.178	
25	20	10	470	199 177 234	2.408	
32	25	10	793	199 177 235	2.618	
40	32	10	1290	199 177 236	3.053	
50	40	10	1910	199 177 237	3.744	
63	50	10	3100	199 177 238	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749



SYGEF® standard
3-Way ball valve type 177
Horizontal/T-port 24V
With manual emergency override
With socket fusion spigots

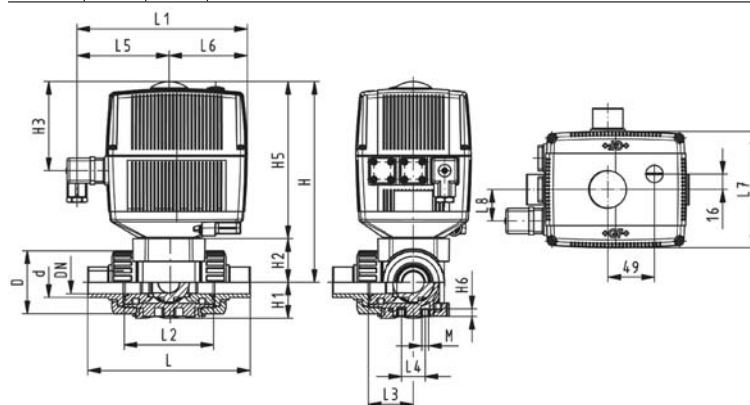
Model:

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

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 177 152	2.178	
20	15	10	200	199 177 153	2.178	
25	20	10	470	199 177 154	2.408	
32	25	10	793	199 177 155	2.618	
40	32	10	1290	199 177 156	3.053	
50	40	10	1910	199 177 157	3.744	
63	50	10	3100	199 177 158	5.468	

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]
16	46	197	29	31	93	166	8	119	182	70	36	25	99	83	122
20	46	197	29	31	93	166	8	133	182	70	36	25	99	83	122
25	56	205	33	39	93	166	8	155	182	86	43	25	99	83	122
32	67	210	38	44	93	166	8	170	182	96	48	25	99	83	122
40	82	216	44	50	93	166	9	201	182	114	58	45	99	83	122
50	98	229	50	63	93	166	9	236	182	137	69	45	99	83	122
63	121	242	61	76	93	166	9	286	182	179	90	45	99	83	122

d [mm]	L8 [mm]	M
16	33	6
20	33	6
25	33	6
32	33	6
40	33	8
50	33	8
63	33	8



PF 3 39 749

Ball valves pneumatic

SYGEF® standard

Ball valve type 232

Function FC (Fail safe to close)

With manual override

With butt fusion spigots metric

E



DN10/15 - 50

Model:

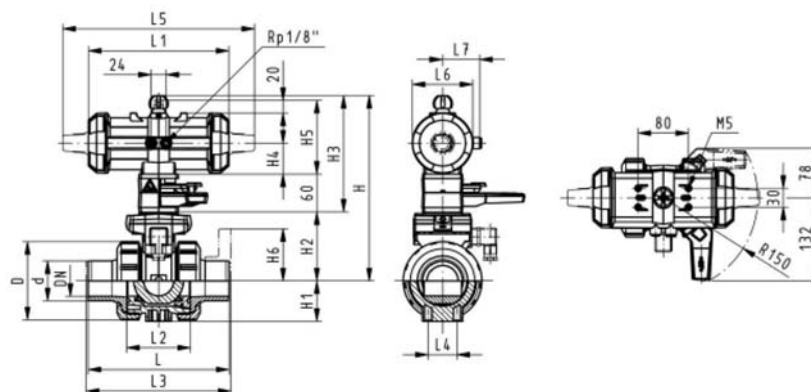
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time $90^\circ \leq$ 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code
20	15	10	185	199 232 713
25	20	10	350	199 232 714
32	25	10	700	199 232 715
40	32	10	1000	199 232 716
50	40	10	1600	199 232 717
63	50	10	3100	199 232 718

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



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FC (Fail safe to close)
With manual override
With fusion Sockets metric

E

Model:

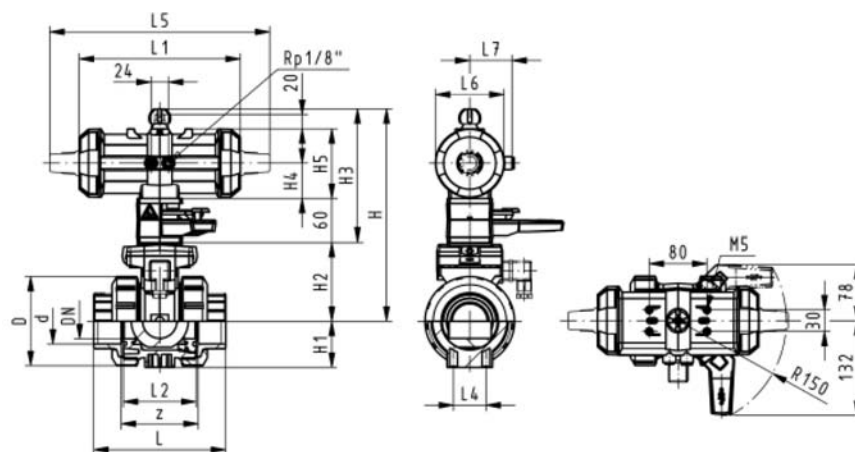
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 232 012	1.500										
20	15	10	185	199 232 013	1.500										
25	20	10	350	199 232 014	1.600										
32	25	10	700	199 232 015	1.700										
40	32	10	1000	199 232 016	2.800										
50	40	10	1600	199 232 017	3.100										
63	50	10	3100	199 232 018	4.000										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]
16	50	230	27	62	168	40	97	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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function FC (Fail safe to close) With manual override With fusion spigots metric

E

Model:

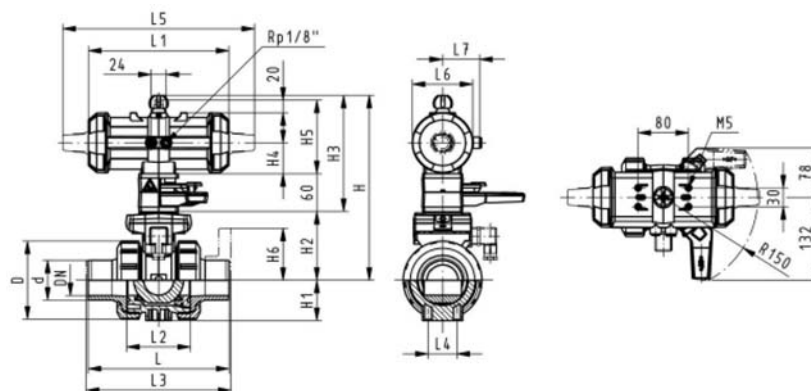
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 232 032	1.500										
20	15	10	185	199 232 033	1.500										
25	20	10	350	199 232 034	1.600										
32	25	10	700	199 232 035	1.700										
40	32	10	1000	199 232 036	2.800										
50	40	10	1600	199 232 037	3.100										
63	50	10	3100	199 232 038	4.000										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
16	50	230	27	62	168	40	97	92	194	56	130	25	261	76	48
20	50	230	27	62	168	40	97	95	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	110	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	123	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	146	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	157	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	183	224	101	230	45	305	95	59



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FC (Fail safe to close)
With manual override
With fixed flanges PVDF serrated metric

E

Model:

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

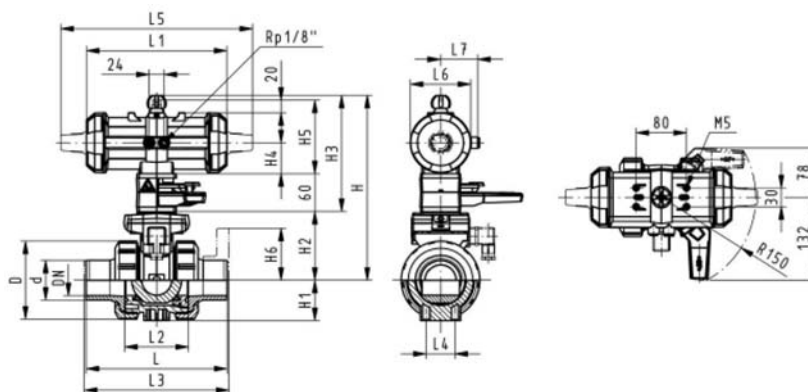
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg									
20	15	½	10	185	199 232 003	1.700									
25	20	¾	10	350	199 232 004	1.900									
32	25	1	10	700	199 232 005	2.100									
40	32	1 ¼	10	1000	199 232 006	3.400									
50	40	1 ½	10	1600	199 232 007	3.900									
63	50	2	10	3100	199 232 008	5.000									

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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function FO (Fail safe to open) With manual override With butt fusion pigots metric

E

Model:

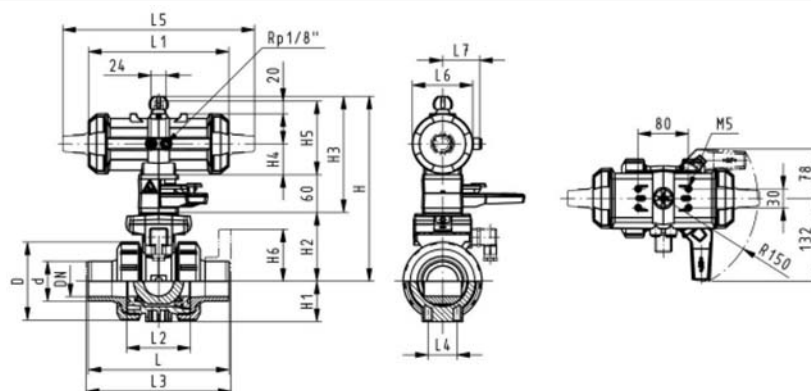
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code										
20	15	10	185	199 232 753										
25	20	10	350	199 232 754										
32	25	10	700	199 232 755										
40	32	10	1000	199 232 756										
50	40	10	1600	199 232 757										
63	50	10	3100	199 232 758										

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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function FO (Fail safe to open) With manual override With fusion sockets metric

E

Model:

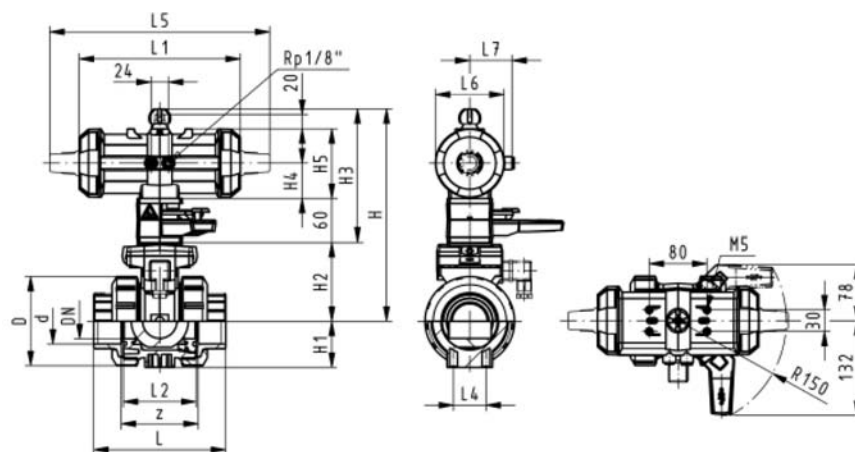
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 232 052	1.500										
20	15	10	185	199 232 053	1.500										
25	20	10	350	199 232 054	1.600										
32	25	10	700	199 232 055	1.700										
40	32	10	1000	199 232 056	2.800										
50	40	10	1600	199 232 057	3.100										
63	50	10	3100	199 232 058	4.000										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]
16	50	230	27	62	168	40	97	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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function FO (Fail safe to open) With manual override With fusion spigots metric

E

Model:

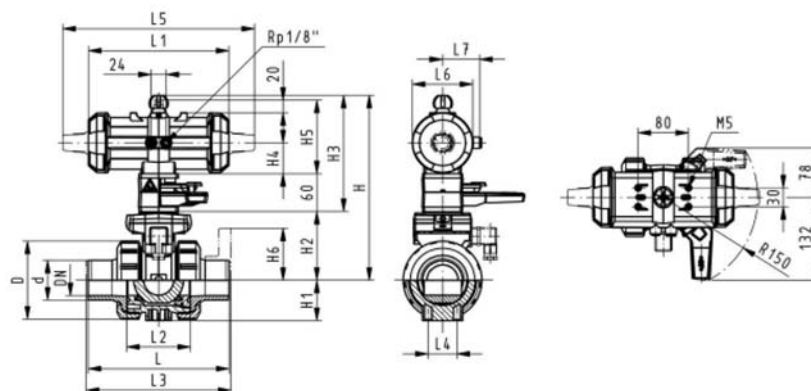
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg											
16	10	10	70	199 232 072	1.500											
20	15	10	185	199 232 073	1.500											
25	20	10	350	199 232 074	1.600											
32	25	10	700	199 232 075	1.700											
40	32	10	1000	199 232 076	2.800											
50	40	10	1600	199 232 077	3.100											
63	50	10	3100	199 232 078	4.000											

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
16	50	230	27	62	168	40	97	92	194	56	130	25	261	76	48
20	50	230	27	62	168	40	97	95	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	110	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	123	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	146	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	157	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	183	224	101	230	45	305	95	59



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FO (Fail safe to open)
With manual override
With fixed flanges PVDF serrated metric

E

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 EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

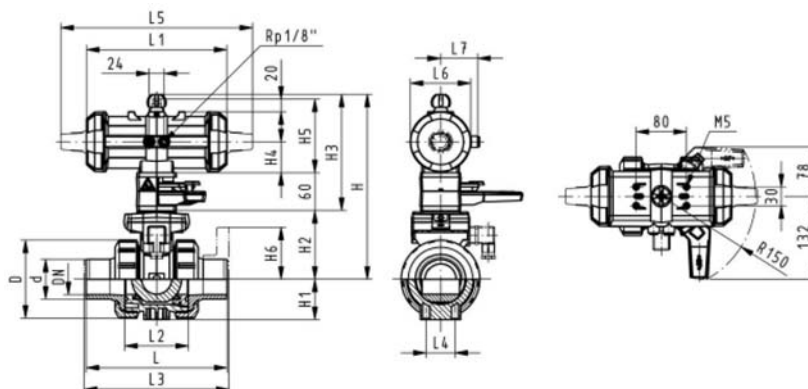
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg										
20	15	½	10	185	199 232 023	1.700										
25	20	¾	10	350	199 232 024	1.900										
32	25	1	10	700	199 232 025	2.100										
40	32	1 ¼	10	1000	199 232 026	3.400										
50	40	1 ½	10	1600	199 232 027	3.900										
63	50	2	10	3100	199 232 028	5.000										

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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function DA (Double acting) With manual override With butt fusion spigots metric

E

Model:

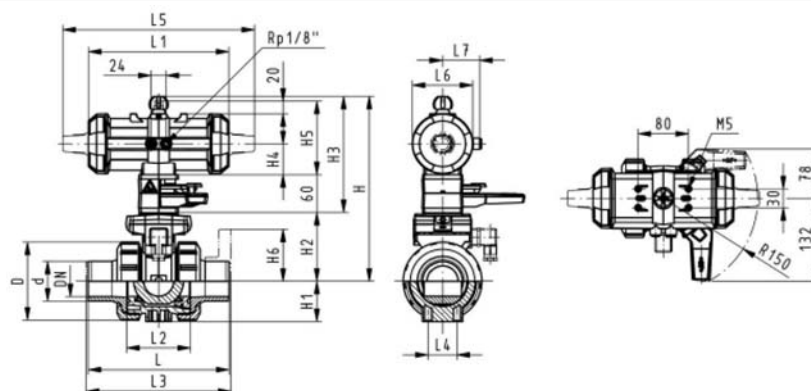
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code										
20	15	10	185	199 232 793										
25	20	10	350	199 232 794										
32	25	10	700	199 232 795										
40	32	10	1000	199 232 796										
50	40	10	1600	199 232 797										
63	50	10	3100	199 232 798										

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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function DA (Double acting) With manual override With fusion sockets metric

E

Model:

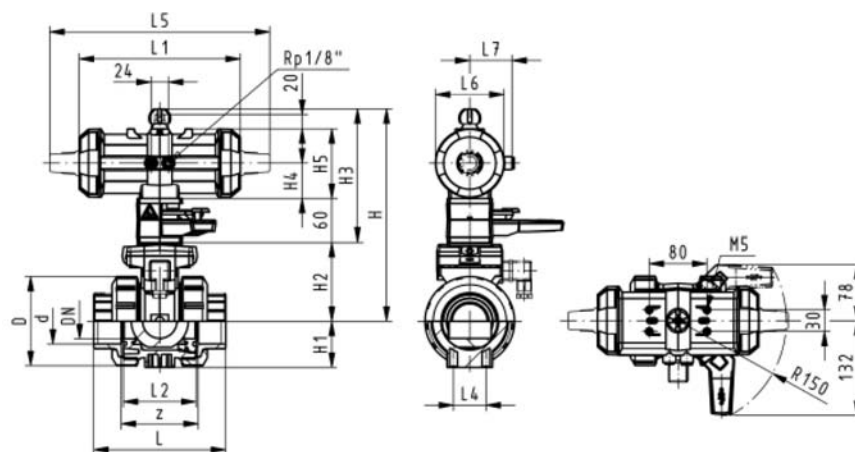
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 232 092	1.500										
20	15	10	185	199 232 093	1.500										
25	20	10	350	199 232 094	1.600										
32	25	10	700	199 232 095	1.700										
40	32	10	1000	199 232 096	2.800										
50	40	10	1600	199 232 097	3.100										
63	50	10	3100	199 232 098	4.000										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]	z [mm]
16	50	230	27	62	168	40	97	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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function DA (Double acting) With manual override With fusion spigots metric

E

Model:

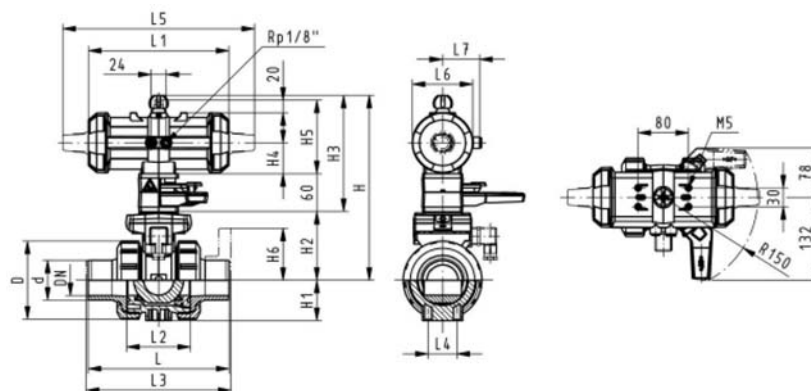
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg											
16	10	10	70	199 232 112	1.500											
20	15	10	185	199 232 113	1.500											
25	20	10	350	199 232 114	1.600											
32	25	10	700	199 232 115	1.700											
40	32	10	1000	199 232 116	2.800											
50	40	10	1600	199 232 117	3.100											
63	50	10	3100	199 232 118	4.000											

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
16	50	230	27	62	168	40	97	92	194	56	130	25	261	76	48
20	50	230	27	62	168	40	97	95	194	56	130	25	261	76	48
25	58	239	30	71	168	40	97	110	194	65	150	25	261	76	48
32	68	239	36	71	168	40	97	123	194	71	160	25	261	76	48
40	84	271	44	84	187	51	115	146	224	85	180	45	305	95	59
50	97	271	51	84	187	51	115	157	224	89	200	45	305	95	59
63	124	293	64	106	187	51	115	183	224	101	230	45	305	95	59



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function DA (Double acting)
With manual override
With fixed flanges PVDF serrated metric

E

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 EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

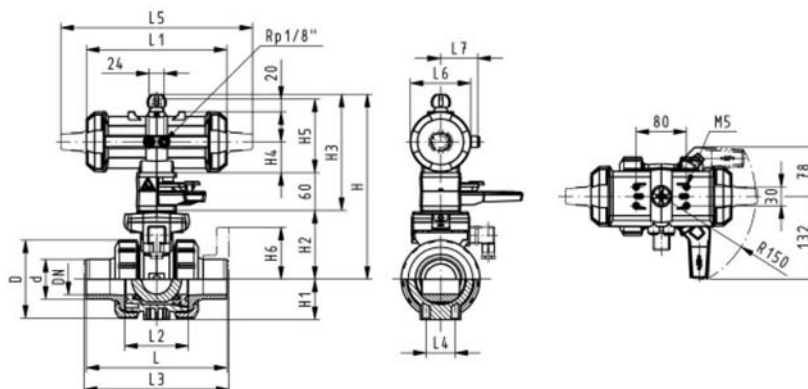
Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg										
20	15	½	10	185	199 232 043	1.700										
25	20	¾	10	350	199 232 044	1.900										
32	25	1	10	700	199 232 045	2.100										
40	32	1 ¼	10	1000	199 232 046	3.400										
50	40	1 ½	10	1600	199 232 047	3.900										
63	50	2	10	3100	199 232 048	5.000										

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



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FC (Fail safe to close)
Without manual override
With butt fusion spigots metric

E

Model:

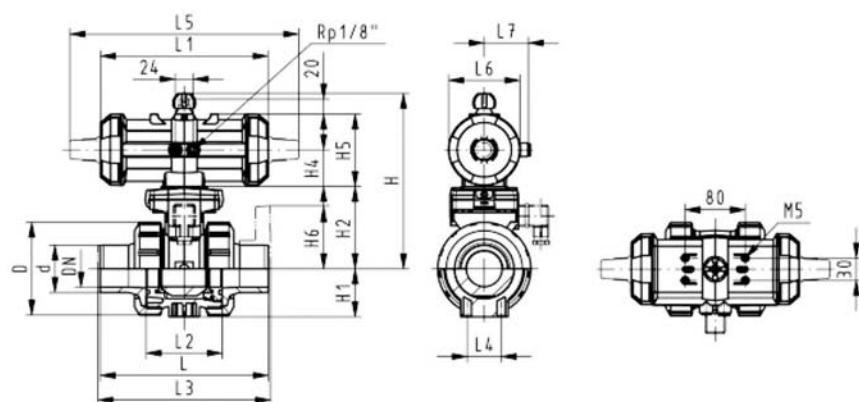
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code										
20	15	10	185	199 232 833										
25	20	10	350	199 232 834										
32	25	10	700	199 232 835										
40	32	10	1000	199 232 836										
50	40	10	1600	199 232 837										
63	50	10	3100	199 232 838										

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]	
20	50	167	27	62	40	97	130	194	56	25	261	76	48	
25	58	176	30	71	40	97	130	194	65	25	261	76	48	
32	68	176	36	71	40	97	130	194	71	25	261	76	48	
40	84	210	44	84	51	115	130	224	85	45	305	95	59	
50	97	210	51	84	51	115	130	224	89	45	305	95	59	
63	124	232	64	106	51	115	130	224	101	45	305	95	59	



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function FC (Fail safe to close) Without manual override With fusion sockets metric

E

Model:

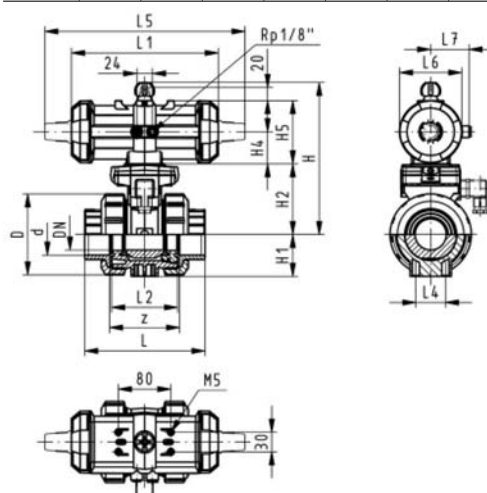
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	70	199 232 132	1.200	
20	15	10	185	199 232 133	1.200	
25	20	10	350	199 232 134	1.300	
32	25	10	700	199 232 135	1.400	
40	32	10	1000	199 232 136	2.500	
50	40	10	1600	199 232 137	2.800	
63	50	10	3100	199 232 138	3.700	

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	



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FC (Fail safe to close)
Without manual override
With fusion spigots metric

E

Model:

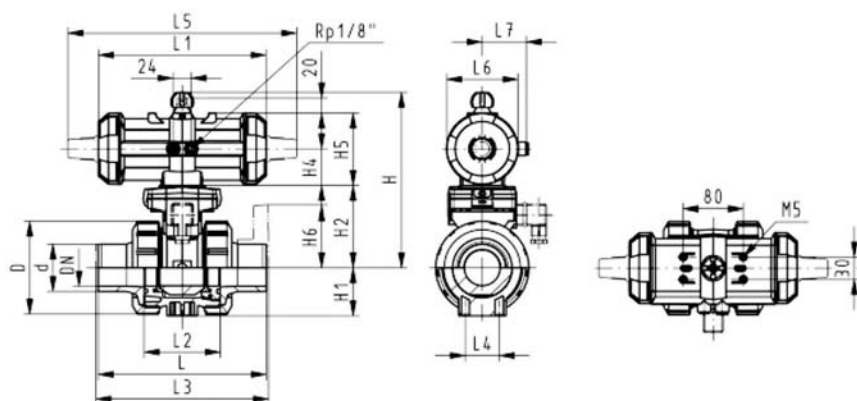
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

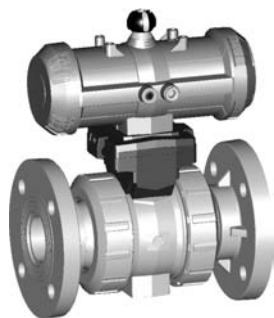
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 232 152	1.200										
20	15	10	185	199 232 153	1.200										
25	20	10	350	199 232 154	1.300										
32	25	10	700	199 232 155	1.400										
40	32	10	1000	199 232 156	2.500										
50	40	10	1600	199 232 157	2.800										
63	50	10	3100	199 232 158	3.700										

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	130	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	



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FC (Fail safe to close)
Without manual override
With fixed flanges PVDF serrated metric

E

Model:

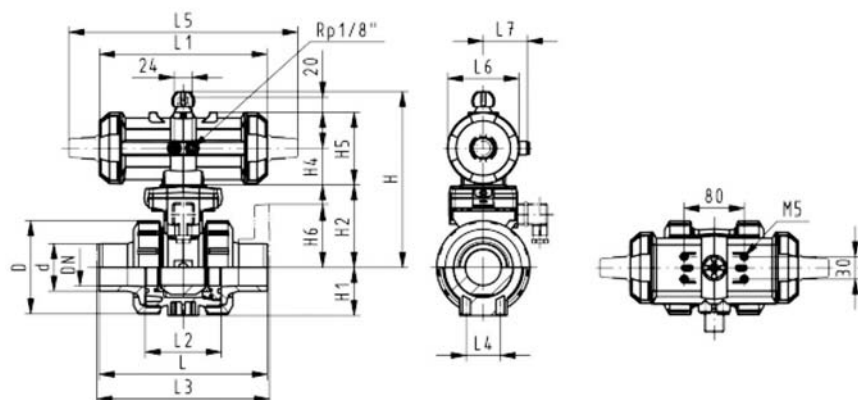
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg										
20	15	½	10	185	199 232 063	1.400										
25	20	¾	10	350	199 232 064	1.600										
32	25	1	10	700	199 232 065	1.800										
40	32	1 ¼	10	1000	199 232 066	3.100										
50	40	1 ½	10	1600	199 232 067	3.600										
63	50	2	10	3100	199 232 068	4.700										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	167	27	62	40	97	48	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



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FO (Fail safe to open)
Without manual override
With butt fusion spigots metric

E

Model:

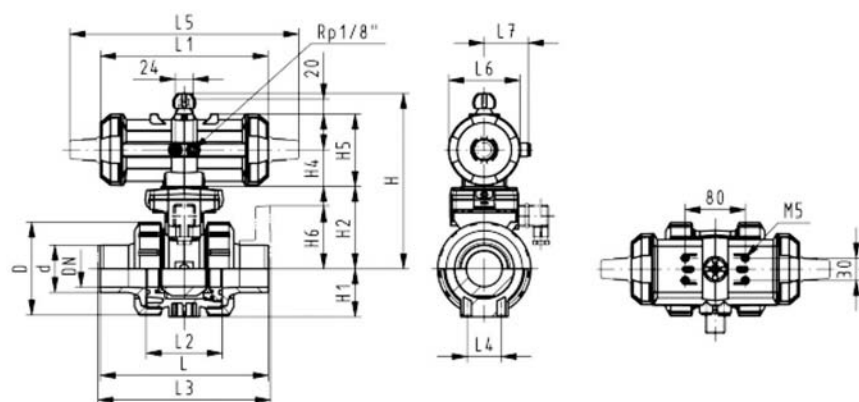
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code										
20	15	10	185	199 232 873										
25	20	10	350	199 232 874										
32	25	10	700	199 232 875										
40	32	10	1000	199 232 876										
50	40	10	1600	199 232 877										
63	50	10	3100	199 232 878										

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]	
20	50	167	27	62	40	97	130	194	56	25	261	76	48	
25	58	176	30	71	40	97	130	194	65	25	261	76	48	
32	68	176	36	71	40	97	130	194	71	25	261	76	48	
40	84	210	44	84	51	115	130	224	85	45	305	95	59	
50	97	210	51	84	51	115	130	224	89	45	305	95	59	
63	124	232	64	106	51	115	130	224	101	45	305	95	59	



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FO (Fail safe to open)
Without manual override
With fusion sockets metric

E

Model:

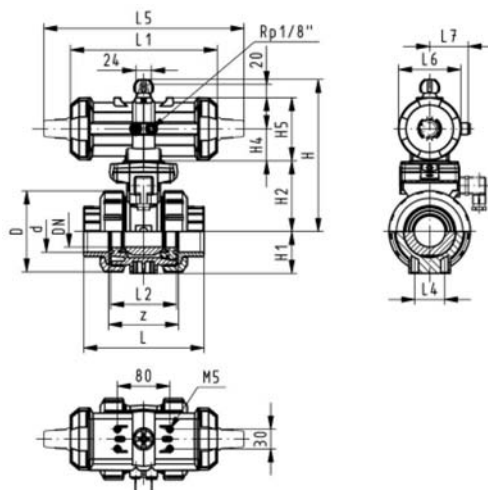
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	70	199 232 172	1.200	
20	15	10	185	199 232 173	1.200	
25	20	10	350	199 232 174	1.300	
32	25	10	700	199 232 175	1.400	
40	32	10	1000	199 232 176	2.500	
50	40	10	1600	199 232 177	2.800	
63	50	10	3100	199 232 178	3.700	

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	



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FO (Fail safe to open)
Without manual override
With fusion spigots metric

E

Model:

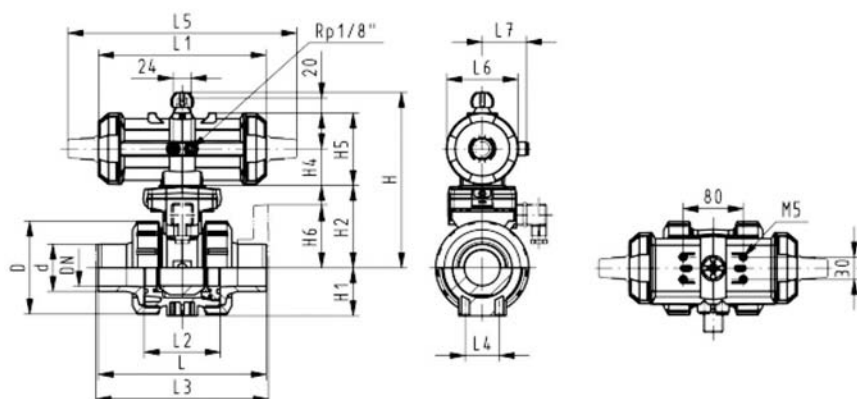
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

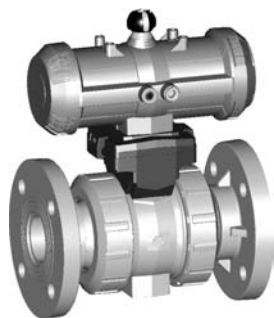
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 232 192	1.200										
20	15	10	185	199 232 193	1.200										
25	20	10	350	199 232 194	1.300										
32	25	10	700	199 232 195	1.400										
40	32	10	1000	199 232 196	2.500										
50	40	10	1600	199 232 197	2.800										
63	50	10	3100	199 232 198	3.700										

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	130	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	



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function FO (Fail safe to open)
Without manual override
With fixed flanges PVDF serrated metric

E

Model:

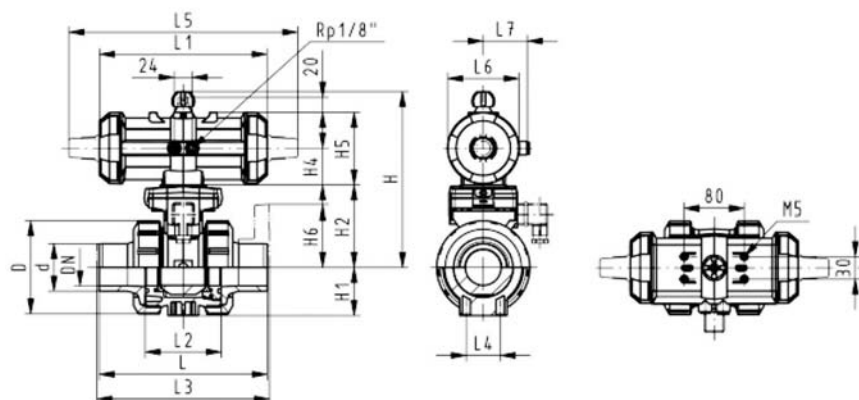
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg										
20	15	½	10	185	199 232 083	1.400										
25	20	¾	10	350	199 232 084	1.600										
32	25	1	10	700	199 232 085	1.800										
40	32	1 ¼	10	1000	199 232 086	3.100										
50	40	1 ½	10	1600	199 232 087	3.600										
63	50	2	10	3100	199 232 088	4.700										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	167	27	62	40	97	48	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



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function DA (Double acting) Without manual override With butt fusion spigots metric

E

Model:

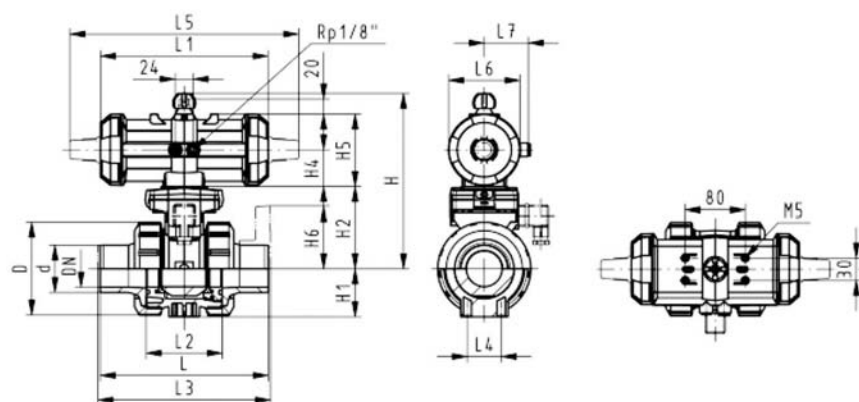
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	FPM Code										
20	15	10	185	199 232 913										
25	20	10	350	199 232 914										
32	25	10	700	199 232 915										
40	32	10	1000	199 232 916										
50	40	10	1600	199 232 917										
63	50	10	3100	199 232 918										

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]	
20	50	167	27	62	40	97	130	194	56	25	261	76	48	
25	58	176	30	71	40	97	130	194	65	25	261	76	48	
32	68	176	36	71	40	97	130	194	71	25	261	76	48	
40	84	210	44	84	51	115	130	224	85	45	305	95	59	
50	97	210	51	84	51	115	130	224	89	45	305	95	59	
63	124	232	64	106	51	115	130	224	101	45	305	95	59	



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function DA (Double acting) Without manual override With fusion sockets metric

E

Model:

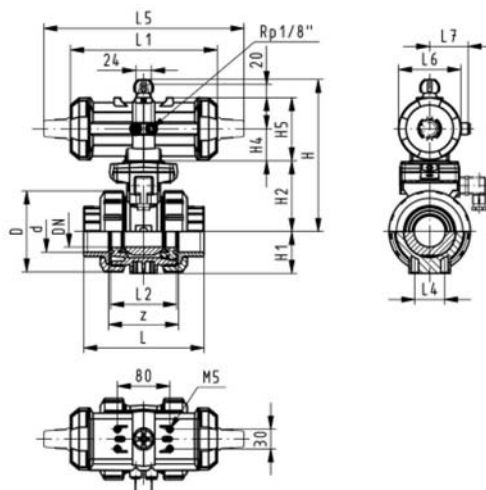
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	70	199 232 212	1.200	
20	15	10	185	199 232 213	1.200	
25	20	10	350	199 232 214	1.300	
32	25	10	700	199 232 215	1.400	
40	32	10	1000	199 232 216	2.500	
50	40	10	1600	199 232 217	2.800	
63	50	10	3100	199 232 218	3.700	

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	



PF 3 39 696



DN10/15 - 50

SYGEF® standard Ball valve type 232 Function DA (Double acting) Without manual override With fusion spigots metric

E

Model:

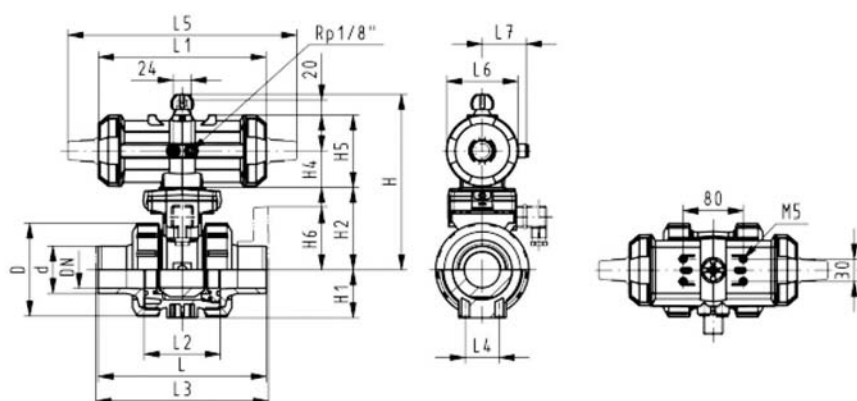
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s

Option:

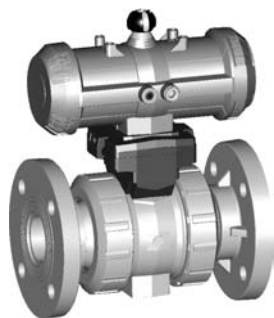
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg										
16	10	10	70	199 232 232	1.200										
20	15	10	185	199 232 233	1.200										
25	20	10	350	199 232 234	1.300										
32	25	10	700	199 232 235	1.400										
40	32	10	1000	199 232 236	2.500										
50	40	10	1600	199 232 237	2.800										
63	50	10	3100	199 232 238	3.700										

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	130	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	



PF 3 39 696



DN10/15 - 50

SYGEF® standard
Ball valve type 232
Function DA (Double acting)
Without manual override
With fixed flanges PVDF serrated metric

E

Model:

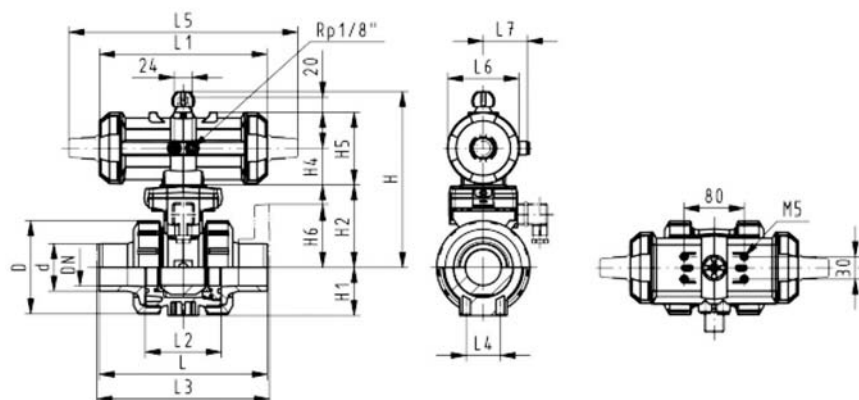
- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-2 s
- Overall length EN 558-1
- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504

Option:

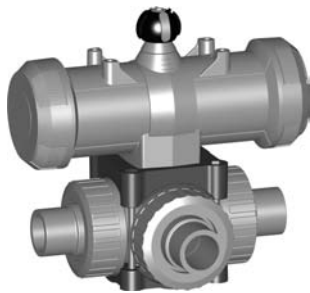
- Individual configuration of the valve (see form)

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg										
20	15	½	10	185	199 232 103	1.400										
25	20	¾	10	350	199 232 104	1.600										
32	25	1	10	700	199 232 105	1.800										
40	32	1 ¼	10	1000	199 232 106	3.100										
50	40	1 ½	10	1600	199 232 107	3.600										
63	50	2	10	3100	199 232 108	4.700										

d [mm]	D [mm]	H [mm]	H1 [mm]	H2 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	L6 [mm]	L7 [mm]
20	50	167	27	62	40	97	48	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



PF 3 39 696



SYGEF® standard
3-Way ball valve type 277
Horizontal/L-port
Without manual override
With butt fusion spigots IR metric

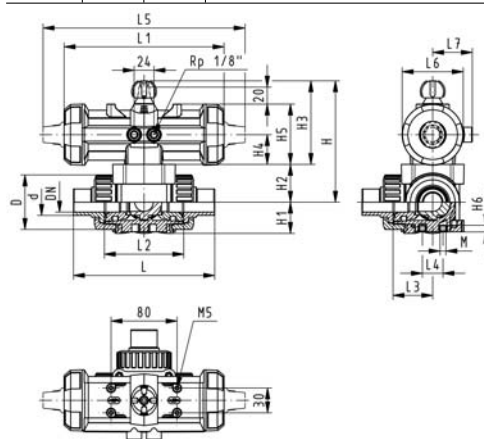
Model:

- Built on with pneumatic actuator PA11/21
- Actuator fails safe to the closed position FC
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

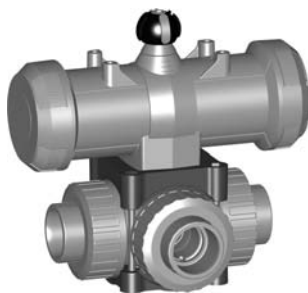
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 277 052	1.171	
20	15	10	75	199 277 053	1.170	
25	20	10	150	199 277 054	1.167	
32	25	10	280	199 277 055	1.677	
40	32	10	480	199 277 056	2.722	
50	40	10	620	199 277 057	2.555	
63	50	10	1230	199 277 058	3.487	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M	
16	48	6	
20	48	6	
25	48	6	
32	48	6	
40	59	8	
50	59	8	
63	59	8	



PF 3 39 750



SYGEF® standard 3-Way ball valve type 277 Horizontal/L-port Without manual override With fusion sockets

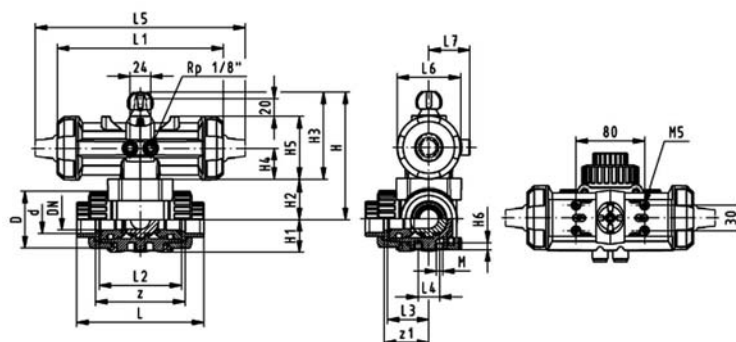
Model:

- Built on with pneumatic actuator PA11/21
- Actuator fails safe to the closed position FC
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

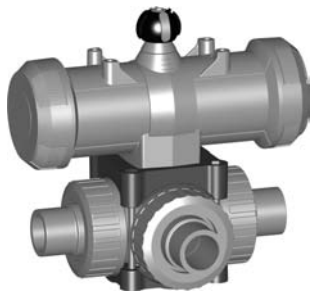
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 277 092	1.171	
20	15	10	75	199 277 093	1.171	
25	20	10	150	199 277 094	1.401	
32	25	10	280	199 277 095	1.290	
40	32	10	480	199 277 096	2.191	
50	40	10	620	199 277 097	2.555	
63	50	10	1230	199 277 098	3.487	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M	
16	48	6	
20	48	6	
25	48	6	
32	48	6	
40	59	8	
50	59	8	
63	59	8	



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/L-port
Without manual override
With socket fusion spigots

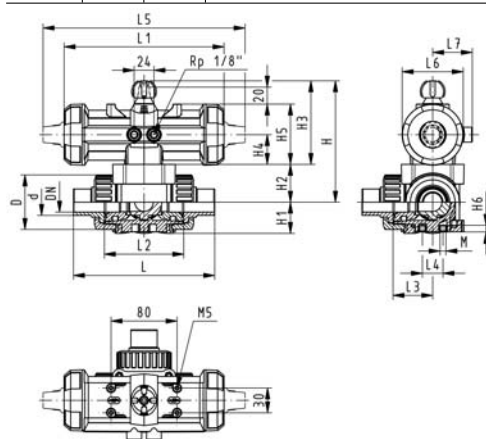
Model:

- Built on with pneumatic actuator PA11/21
- Actuator fails safe to the closed position FC
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

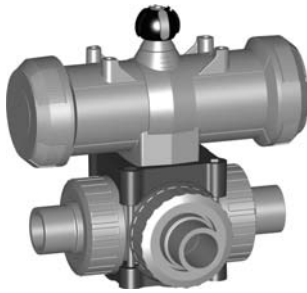
d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
16	10	10	50	199 277 012	1.171	
20	15	10	75	199 277 013	1.171	
25	20	10	150	199 277 014	1.401	
32	25	10	280	199 277 015	1.611	
40	32	10	480	199 277 016	2.722	
50	40	10	620	199 277 017	3.413	
63	50	10	1230	199 277 018	5.137	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M	
16	48	6	
20	48	6	
25	48	6	
32	48	6	
40	59	8	
50	59	8	
63	59	8	



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/L-port DA (Double acting)
Without manual override
With butt fusion spigots IR metric

E

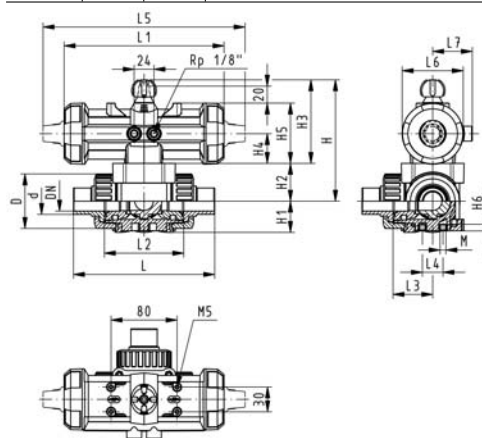
Model:

- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

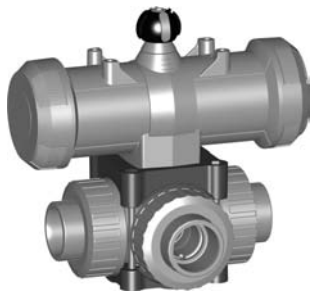
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 277 172	0.981	
20	15	10	75	199 277 173	0.981	
25	20	10	150	199 277 174	1.211	
32	25	10	280	199 277 175	1.100	
40	32	10	480	199 277 176	2.131	
50	40	10	620	199 277 177	2.989	
63	50	10	1230	199 277 178	4.700	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M
16	48	6
20	48	6
25	48	6
32	48	6
40	59	8
50	59	8
63	59	8



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/L-port DA (Double acting)
Without manual override
With fusion sockets

E

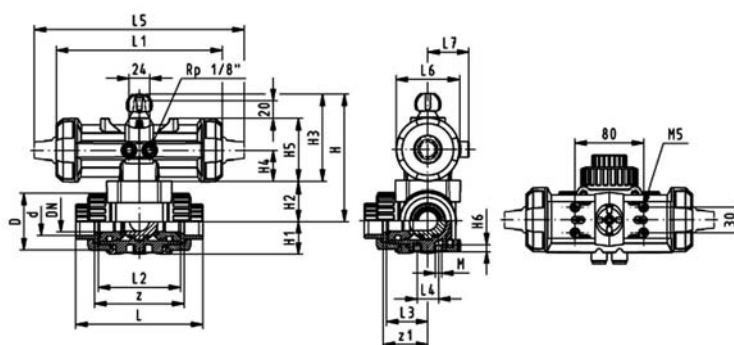
Model:

- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

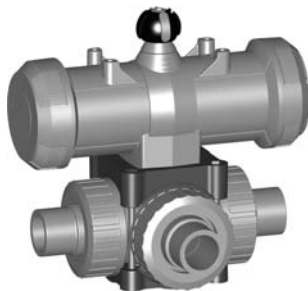
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 277 212	0.981	
20	15	10	75	199 277 213	0.981	
25	20	10	150	199 277 214	1.211	
32	25	10	280	199 277 215	1.421	
40	32	10	480	199 277 216	2.298	
50	40	10	620	199 277 217	2.989	
63	50	10	1230	199 277 218	5.052	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M
16	48	6
20	48	6
25	48	6
32	48	6
40	59	8
50	59	8
63	59	8



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/L-port DA (Double acting)
Without manual override
With socket fusion spigots

E

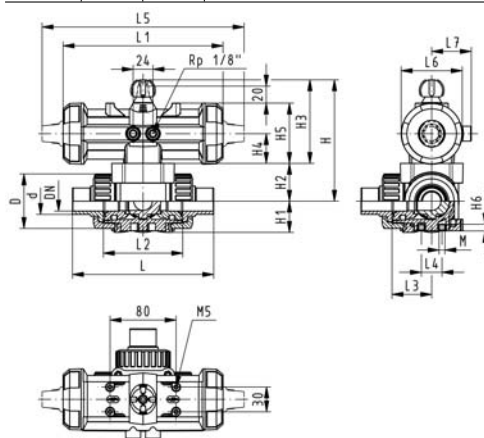
Model:

- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

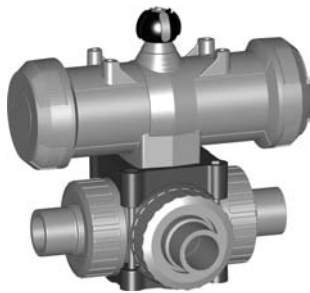
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	50	199 277 132	0.924	
20	15	10	75	199 277 133	0.981	
25	20	10	150	199 277 134	1.211	
32	25	10	280	199 277 135	1.421	
40	32	10	480	199 277 136	2.298	
50	40	10	620	199 277 137	2.989	
63	50	10	1230	199 277 138	4.713	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M
16	48	6
20	48	6
25	48	6
32	48	6
40	59	8
50	59	8
63	59	8



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/T-port
Without manual override
With butt fusion spigots IR metric

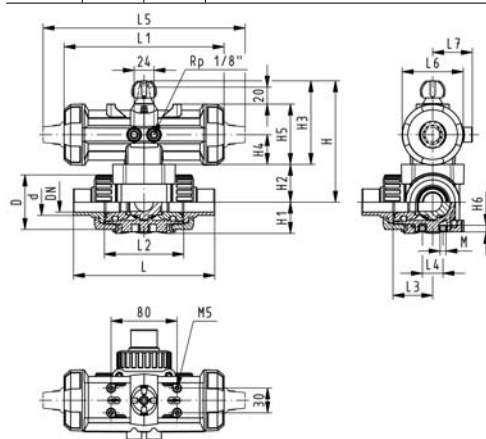
Model:

- Built on with pneumatic actuator PA11/21
- Actuator fails safe to the closed position FC
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

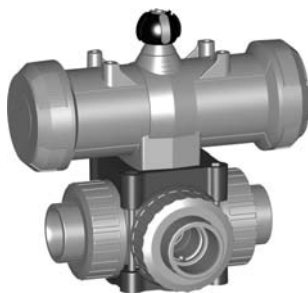
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 277 072	1.171	
20	15	10	200	199 277 073	1.044	
25	20	10	470	199 277 074	1.401	
32	25	10	793	199 277 075	1.611	
40	32	10	1290	199 277 076	2.722	
50	40	10	1910	199 277 077	3.410	
63	50	10	3100	199 277 078	3.487	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M	
16	48	6	
20	48	6	
25	48	6	
32	48	6	
40	59	8	
50	59	8	
63	59	8	



PF 3 39 750



SYGEF® standard 3-Way ball valve type 277 Horizontal/T-port Without manual override With fusion sockets

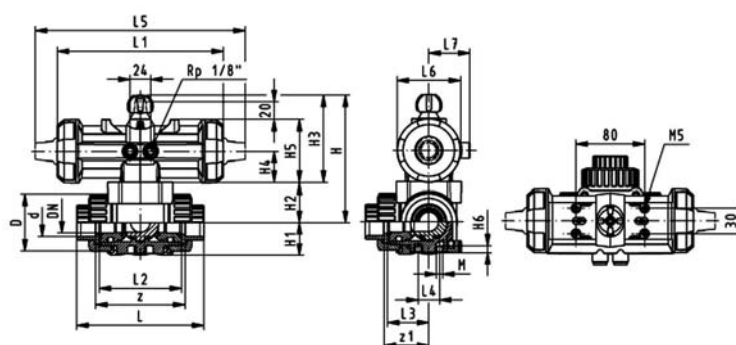
Model:

- Built on with pneumatic actuator PA11/21
- Actuator fails safe to the closed position FC
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

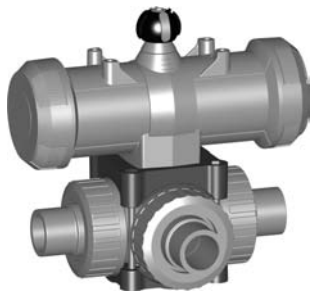
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 277 112	1.171	
20	15	10	200	199 277 113	1.337	
25	20	10	470	199 277 114	1.401	
32	25	10	793	199 277 115	1.611	
40	32	10	1290	199 277 116	2.722	
50	40	10	1910	199 277 117	3.413	
63	50	10	3100	199 277 118	5.137	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M	
16	48	6	
20	48	6	
25	48	6	
32	48	6	
40	59	8	
50	59	8	
63	59	8	



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/T-port
Without manual override
With socket fusion spigots

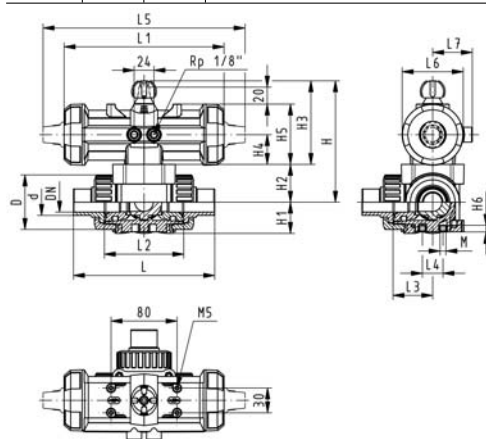
Model:

- Built on with pneumatic actuator PA11/21
- Actuator fails safe to the closed position FC
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

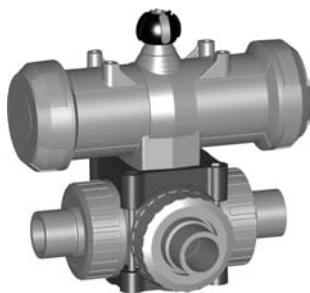
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 277 032	1.171	
20	15	10	200	199 277 033	1.171	
25	20	10	470	199 277 034	1.401	
32	25	10	793	199 277 035	1.611	
40	32	10	1290	199 277 036	2.722	
50	40	10	1910	199 277 037	2.555	
63	50	10	3100	199 277 038	5.137	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M	
16	48	6	
20	48	6	
25	48	6	
32	48	6	
40	59	8	
50	59	8	
63	59	8	



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/T-port DA (Double acting)
Without manual override
With butt fusion spigots IR metric

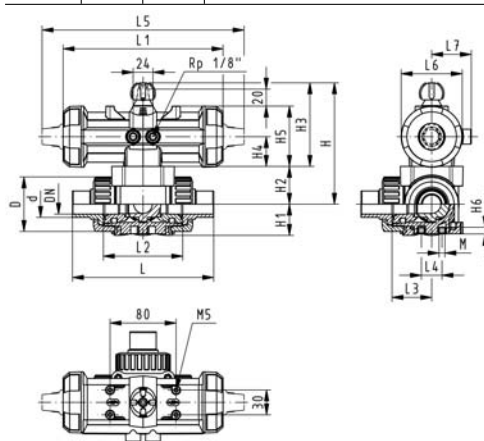
Model:

- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

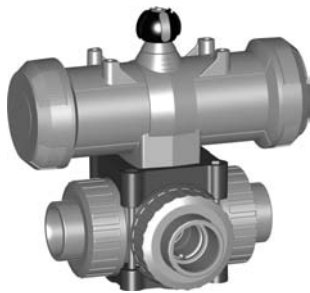
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg
16	10	10	140	199 277 192	0.981
20	15	10	200	199 277 193	0.981
25	20	10	470	199 277 194	1.211
32	25	10	793	199 277 195	1.421
40	32	10	1290	199 277 196	2.298
50	40	10	1910	199 277 197	2.989
63	50	10	3100	199 277 198	3.297

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M
16	48	6
20	48	6
25	48	6
32	48	6
40	59	8
50	59	8
63	59	8



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/T-port DA (Double acting)
Without manual override
With fusion sockets

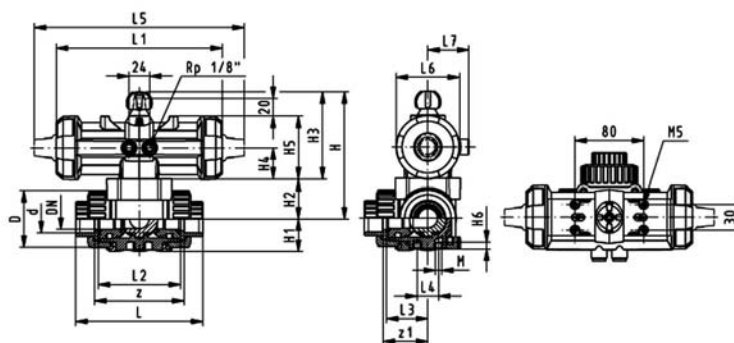
Model:

- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

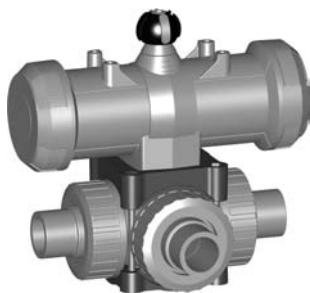
d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
16	10	10	140	199 277 232	0.981	
20	15	10	200	199 277 233	0.981	
25	20	10	470	199 277 234	1.211	
32	25	10	793	199 277 235	1.277	
40	32	10	1290	199 277 236	2.298	
50	40	10	1910	199 277 237	2.989	
63	50	10	3100	199 277 238	4.713	

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M	
16	48	6	
20	48	6	
25	48	6	
32	48	6	
40	59	8	
50	59	8	
63	59	8	



PF 3 39 750



SYGEF® standard
3-Way ball valve type 277
Horizontal/T-port DA (Double acting)
Without manual override
With socket fusion spigots

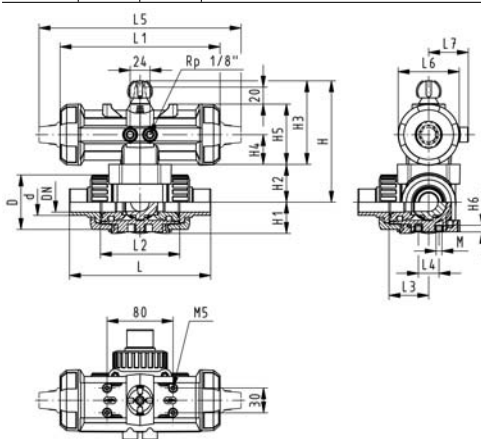
Model:

- Built on with pneumatic actuator PA11/21
- For easy installation and removal
- Integrated stainless steel mounting inserts
- Control time 90°<) 1-3 s

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg
16	10	10	140	199 277 152	0.981
20	15	10	200	199 277 153	0.981
25	20	10	470	199 277 154	1.211
32	25	10	793	199 277 155	1.421
40	32	10	1290	199 277 156	2.298
50	40	10	1910	199 277 157	2.989
63	50	10	3100	199 277 158	4.713

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]
16	46	136	29	31	105	40	77	8	119	194	70	36	25	261	73
20	46	136	29	31	105	40	77	8	133	194	70	36	25	261	73
25	56	144	33	39	105	40	77	8	155	194	86	43	25	261	73
32	67	149	38	44	105	40	77	8	170	194	96	48	25	261	73
40	82	177	44	50	127	51	99	9	201	224	114	58	45	305	94
50	98	190	50	63	127	51	99	9	236	224	137	69	45	305	94
63	121	203	61	76	127	51	99	9	286	224	179	90	45	305	94

d [mm]	L7 [mm]	M
16	48	6
20	48	6
25	48	6
32	48	6
40	59	8
50	59	8
63	59	8



PF 3 39 750

Diaphragm valves pneumatic

SYGEF® standard

Diaphragm valve type DIASTAR 028

Function FC (Fail safe to close)

With butt fusion spigots IR metric

E

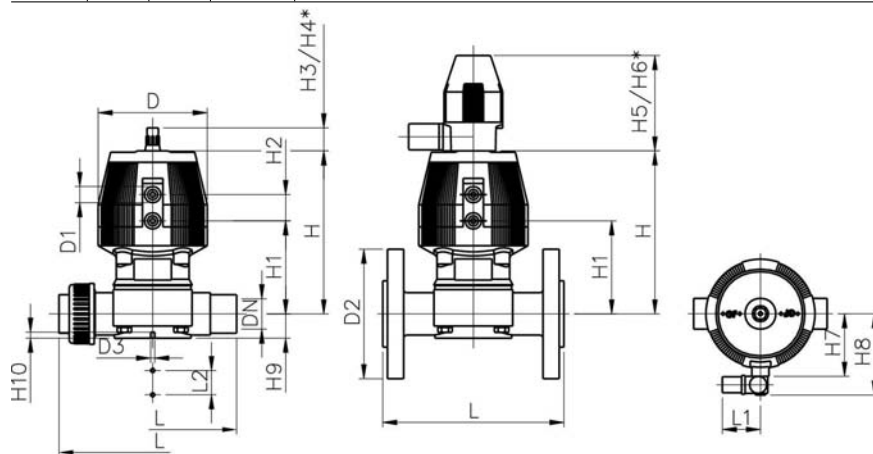
- With position indicator / Working pressure: **one side**



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg											
20	15	5	72	199 028 961	0.520											
25	20	7	120	199 028 962	0.950											
32	25	7	238	199 028 963	1.500											
40	32	7	341	199 028 964	1.810											
50	40	7	460	199 028 965	3.350											
63	50	7	685	199 028 966	6.270											

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 028
Function FC (Fail safe to close)
Unions with butt fusion spigots IR metric

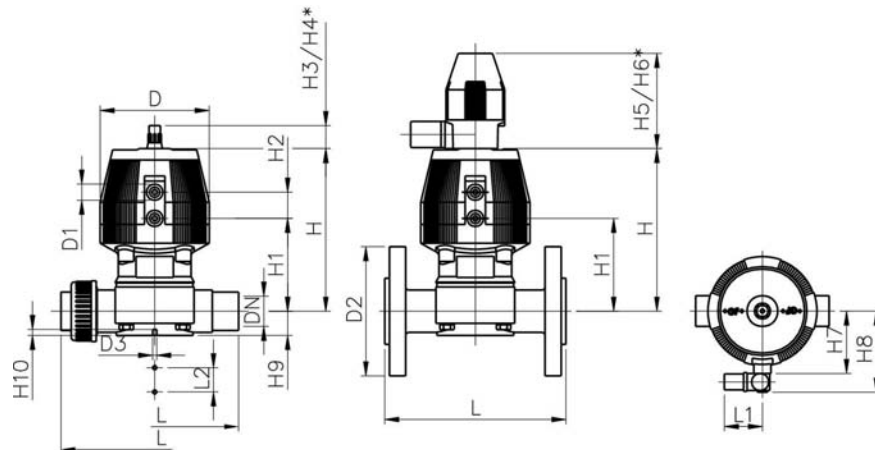
E

- With position indicator / Working pressure: **one side**

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg
20	15	5	72	199 028 491	0.530
25	20	7	120	199 028 492	1.000
32	25	7	238	199 028 493	1.390
40	32	7	341	199 028 494	1.870
50	40	7	460	199 028 495	3.030
63	50	7	685	199 028 496	3.880

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	196	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	220	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	234	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	258	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	284	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	320	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 028
Function FC (Fail safe to close)
With fusion spigots metric

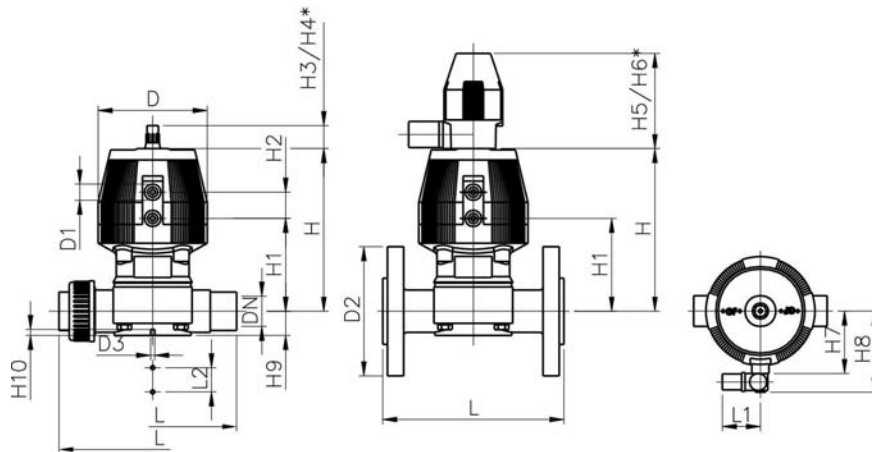
E

- With position indicator / Working pressure: **one side**

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg											
20	15	5	72	199 028 321	0.520											
25	20	7	120	199 028 322	0.950											
32	25	7	238	199 028 323	1.370											
40	32	7	341	199 028 324	1.810											
50	40	7	460	199 028 325	3.350											
63	50	7	685	199 028 326	6.270											

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 028
Function FC (Fail safe to close)
Unions with fusion sockets metric

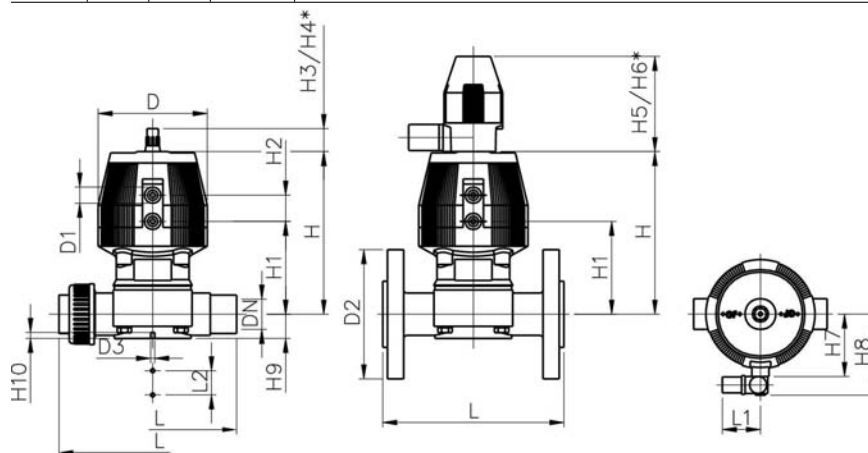
E

- With position indicator / Working pressure: **one side**

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg
20	15	5	72	199 028 193	0.836
25	20	7	120	199 028 194	0.870
32	25	7	238	199 028 195	1.505
40	32	7	341	199 028 196	2.604
50	40	7	460	199 028 197	2.250
63	50	7	685	199 028 198	3.500

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	128	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	150	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	162	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	184	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	210	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	248	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 028
Function FC (Fail safe to close)
With backing flanges PP-V metric

E

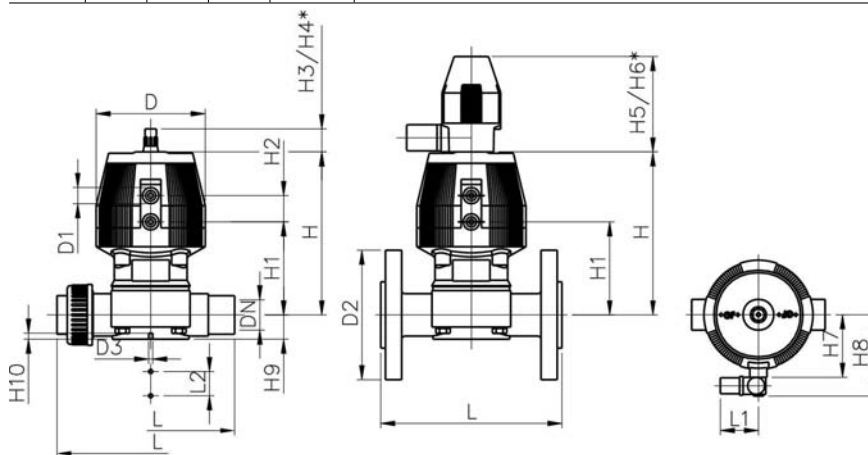
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: **one side**

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	½	5	72	199 028 351	0.520	
25	20	¾	7	120	199 028 352	0.950	
32	25	1	7	238	199 028 353	1.370	
40	32	1 ¼	7	341	199 028 354	1.810	
50	40	1 ½	7	460	199 028 355	3.350	
63	50	2	7	685	199 028 356	6.270	

d [mm]	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	68	⅞	95	6	130	60	25	98	59	24	23	44	100	155	44
25	96	⅞	105	6	150	60	25	127	71	25	23	44	100	155	56
32	96	⅞	115	6	160	60	25	141	85	25	23	44	100	155	56
40	120	⅞	140	8	180	60	45	167	97	26	36	64	100	160	68
50	150	⅞	150	8	200	60	45	198	108	36	36	64	100	170	85
63	150	⅞	165	8	230	60	45	216	126	36	36	64	100	170	85

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	76	14	12	8	
25	88	18	12	10	
32	88	21	12	12	
40	100	26	15	14	
50	117	33	15	18	
63	117	39	15	22	



PF 3 39 212



SYGEF® standard Diaphragm valve type DIASTAR 028 Function FC (Fail safe to close) With backing flanges PP-V ANSI

E

Model:

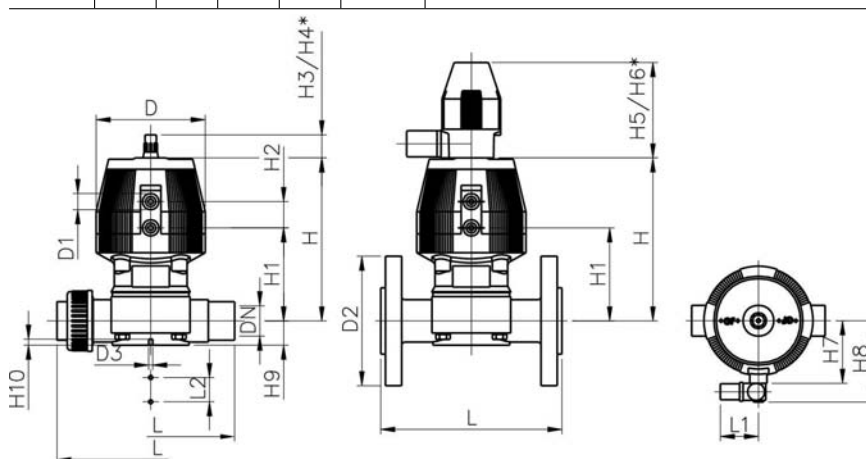
- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759

- With position indicator / Working pressure: **one side**

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
½	15	5	72	199 028 361	1.370	
¾	20	7	120	199 028 362		
1	25	7	238	199 028 363		
1 ¼	32	7	341	199 028 364		
1 ½	40	7	460	199 028 365	3.350	
2	50	7	685	199 028 366		

Inch	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	
½	68	⅝	95	6	130	60	25	98	59	24	23	44	100	155	
¾	96	⅞	105	6	150	60	25	127	71	25	23	44	100	155	
1	96	⅞	115	6	160	60	25	141	85	25	23	44	100	155	
1 ¼	120	⅞	140	8	180	60	45	167	97	26	36	64	100	160	
1 ½	150	⅞	150	8	200	60	45	198	108	36	36	64	100	170	
2	150	⅞	165	8	230	60	45	216	126	36	36	64	100	170	

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
½	44	76	14	12	8	
¾	56	88	18	12	10	
1	56	88	21	12	12	
1 ¼	68	100	26	15	14	
1 ½	85	117	33	15	18	
2	85	117	39	15	22	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FC (Fail safe to close)
With butt fusion spigots IR metric

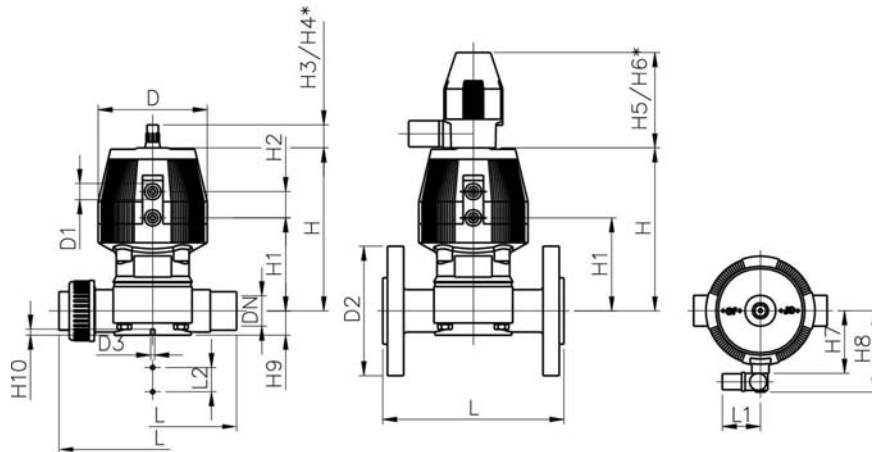
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg											
20	15	10	72	199 027 971	0.805											
25	20	10	120	199 027 972	0.882											
32	25	10	238	199 027 973	1.597											
40	32	10	341	199 027 974	2.496											
50	40	10	460	199 027 975	4.240											
63	50	10	685	199 027 976	4.806											

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	124	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	154	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	174	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	194	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	224	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FC (Fail safe to close)
Unions with butt fusion spigots IR metric

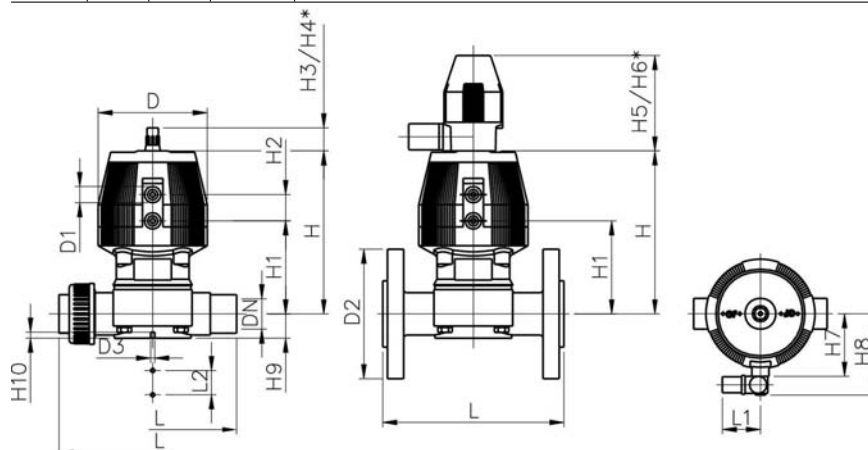
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 491	0.836
25	20	10	120	199 027 492	0.836
32	25	10	238	199 027 493	1.505
40	32	10	341	199 027 494	2.604
50	40	10	460	199 027 495	2.604
63	50	10	685	199 027 496	2.604

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	196	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	220	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	234	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	258	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	284	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	320	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FC (Fail safe to close)
With fusion spigots metric

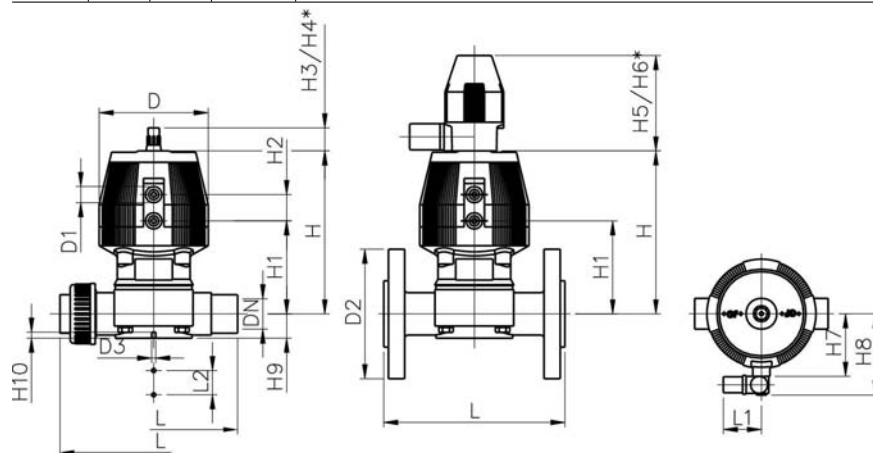
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- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	15	10	72	199 025 321	0.805	
25	20	10	120	199 025 322	0.882	
32	25	10	238	199 025 323	1.597	
40	32	10	341	199 025 324	2.496	
50	40	10	460	199 025 325	4.240	
63	50	10	685	199 025 326	4.806	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	124	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	154	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	174	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	194	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	224	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FC (Fail safe to close)
Unions with fusion sockets metric

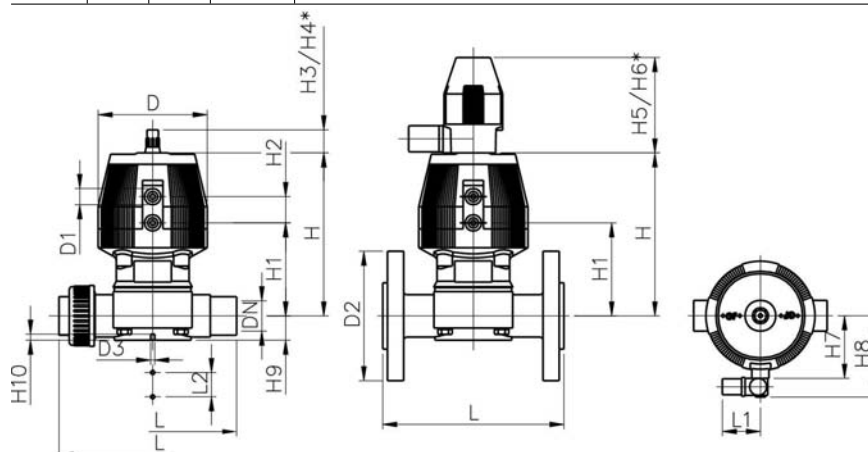
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 321	0.836
25	20	10	120	199 027 322	0.836
32	25	10	238	199 027 323	2.400
40	32	10	341	199 027 324	3.500
50	40	10	460	199 027 325	2.604
63	50	10	685	199 027 326	2.604

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	128	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	150	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	162	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	184	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	210	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	248	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FC (Fail safe to close)
With backing flanges PP-V metric

E

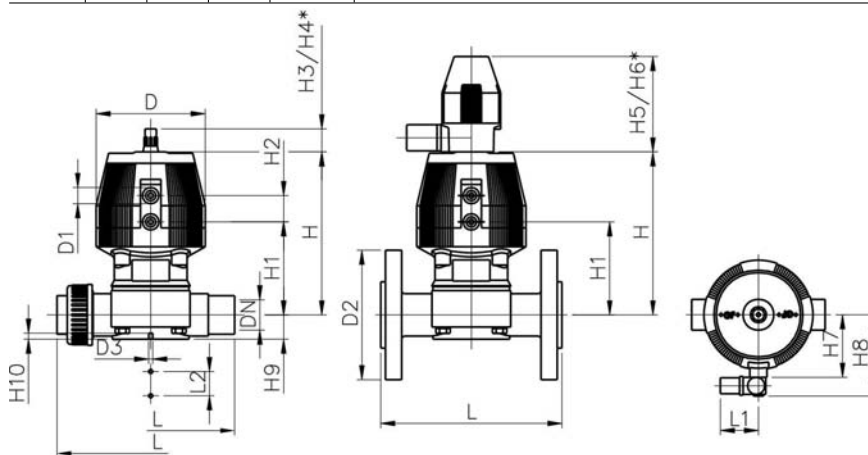
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg										
20	15	½	10	72	199 025 351	0.839										
25	20	¾	10	120	199 025 352	0.936										
32	25	1	10	238	199 025 353	2.700										
40	32	1 ¼	10	341	199 025 354	3.800										
50	40	1 ½	10	460	199 025 355	4.665										
63	50	2	10	685	199 025 356	5.353										

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	96	⅞	6	95	130	60	25	125	69	25	23	44	100	155	56
25	96	⅞	6	105	150	60	25	127	71	25	23	44	100	155	56
32	120	⅞	6	115	160	60	25	163	93	26	36	64	100	155	68
40	150	⅞	8	140	180	60	45	196	106	36	36	64	100	160	85
50	180	⅞	8	150	200	60	45	227	119	37	36	64	100	170	101
63	180	⅞	8	165	230	60	45	241	133	37	36	64	100	170	101

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	86	14	12	8
25	88	18	12	10
32	100	21	12	12
40	117	26	15	14
50	133	33	15	18
63	133	39	15	22



PF 3 39 212



SYGEF® standard Diaphragm valve type DIASTAR 025 Function FC (Fail safe to close) With fixed flanges PVDF metric

E

Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: on one side

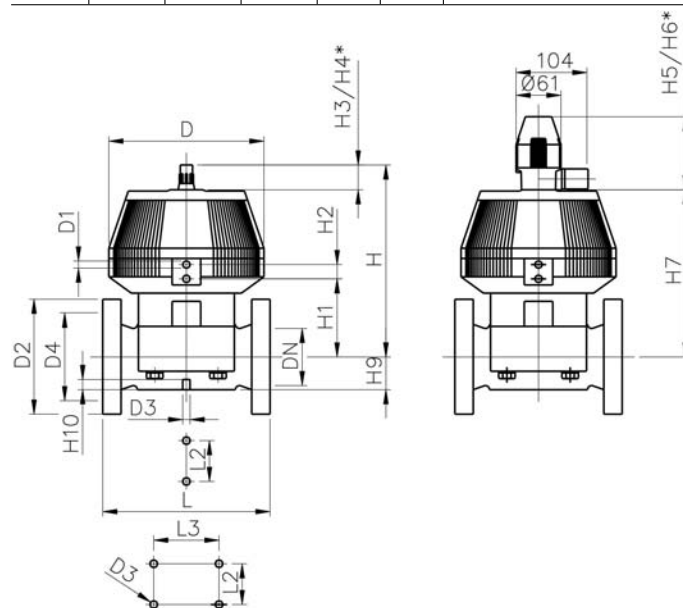
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
*75	65	2 ½	10	992	199 025 357	13.600	
**90	80	3	10	1700	199 025 358	17.400	
110	100	4	8	2700	199 025 359	24.700	

d [mm]	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	
*75	280	¼	185	8	145	290	70	344	148	24	46	100	
**90	280	¼	200	12	160	310	120	348	150	24	46	100	
110	335	¼	225	12	180	350	120	395	176	24	46	100	

d [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]	
*75	129	195	298	46	15	
**90	129	195	302	57	15	
110	129	195	349	69	20	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FC (Fail safe to close)
With backing flanges PP-V ANSI

E

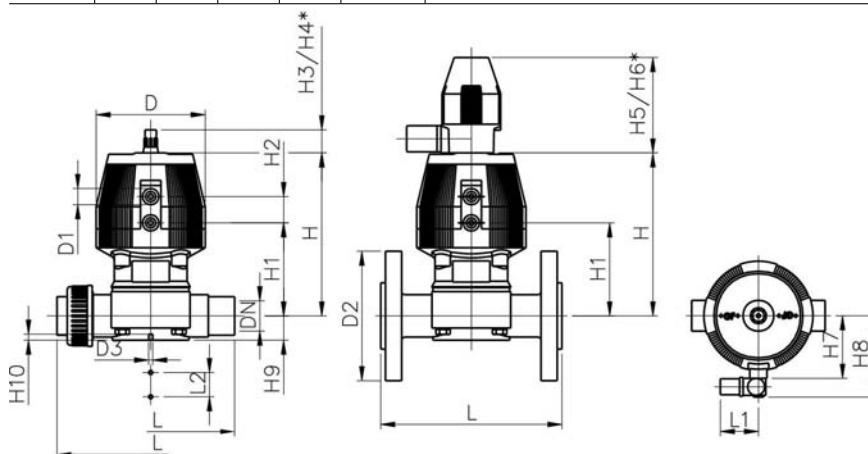
Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: both sides

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg										
½	15	10	72	199 025 601	0.839										
¾	20	10	120	199 025 602	0.936										
1	25	10	238	199 025 603	1.705										
1 ¼	32	10	341	199 025 604	2.904										
1 ½	40	10	460	199 025 605	4.665										
2	50	10	685	199 025 606	5.353										

Inch	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	
½	96	⅜	6	95	130	60	25	125	69	25	23	44	100	155	
¾	96	⅜	6	105	150	60	25	127	71	25	23	44	100	155	
1	120	⅜	6	115	160	60	25	163	93	26	36	64	100	155	
1 ¼	150	¼	8	140	180	60	45	196	106	36	36	64	100	160	
1 ½	180	¼	8	150	200	60	45	227	119	37	36	64	100	170	
2	180	¼	8	165	230	60	45	241	133	37	36	64	100	170	

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
½	56	86	14	12	8	
¾	56	88	18	12	10	
1	68	100	21	12	12	
1 ¼	85	117	26	15	14	
1 ½	101	133	33	15	18	
2	101	133	39	15	22	



PF 3 39 212



SYGEF® standard Diaphragm valve type DIASTAR 025 Function FC (Fail safe to close) With fixed flanges PVDF ANSI

E

Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759

- With position indicator / Working pressure: on one side

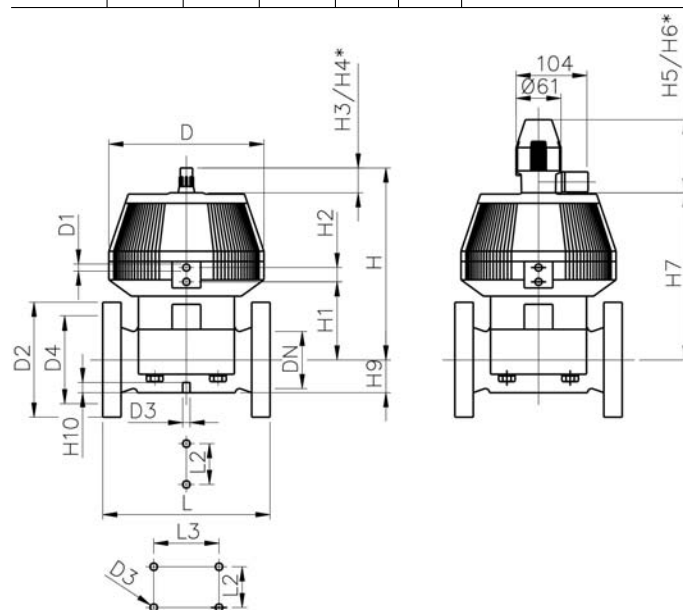
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
*2 ½	65	10	992	199 025 327	14.200
**3	80	10	1700	199 025 358	17.400
4	100	8	2700	199 025 329	26.500

Inch	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]
*2 ½	280	¼	185	8	145	290	70	344	148	24	46	100
**3	280	¼	200	12	160	310	120	348	150	24	46	100
4	335	¼	225	12	180	350	120	395	176	24	46	100

Inch	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]
*2 ½	129	195	298	46	15
**3	129	195	302	57	15
4	129	195	349	69	20



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FO (Fail safe to open)
With butt fusion spigots IR metric

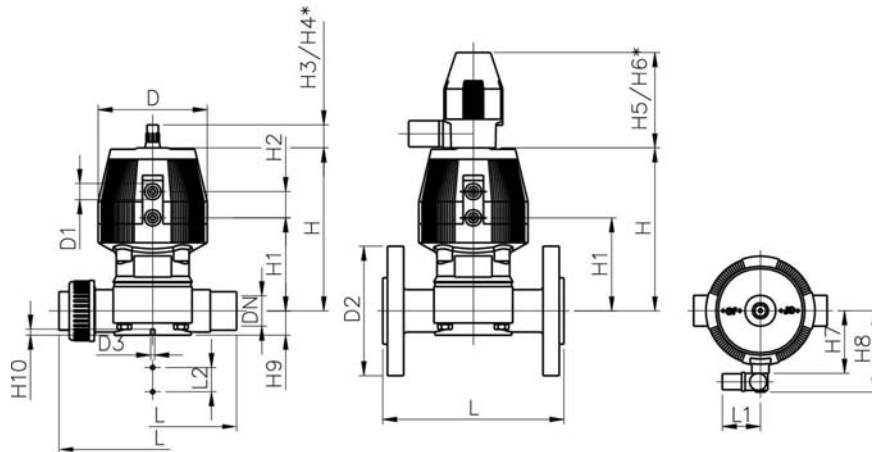
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg											
20	15	10	72	199 027 977	0.454											
25	20	10	120	199 027 978	0.740											
32	25	10	238	199 027 979	1.160											
40	32	10	341	199 027 980	1.390											
50	40	10	460	199 027 981	2.510											
63	50	10	685	199 027 982	5.430											

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FO (Fail safe to open)
Unions with butt fusion spigots IR metric

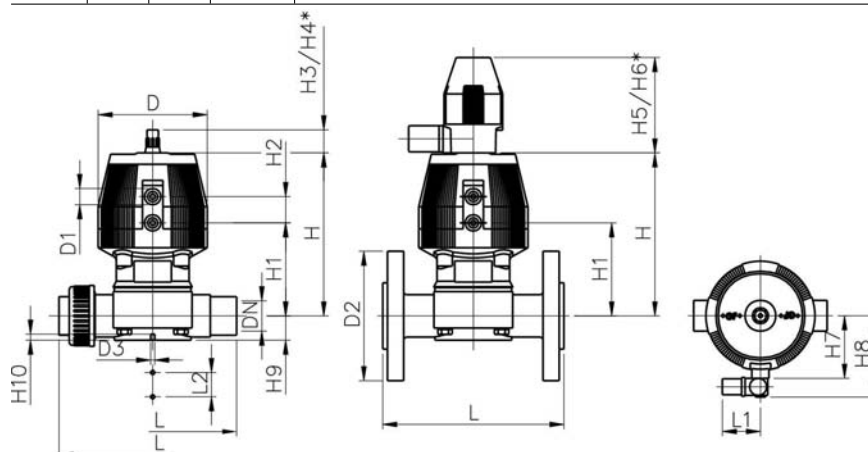
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 501	0.836
25	20	10	120	199 027 502	0.836
32	25	10	238	199 027 503	0.624
40	32	10	341	199 027 504	2.604
50	40	10	460	199 027 505	4.165
63	50	10	685	199 027 506	4.553

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	196	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	220	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	234	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	258	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	284	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	320	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FO (Fail safe to open)
With fusion spigots metric

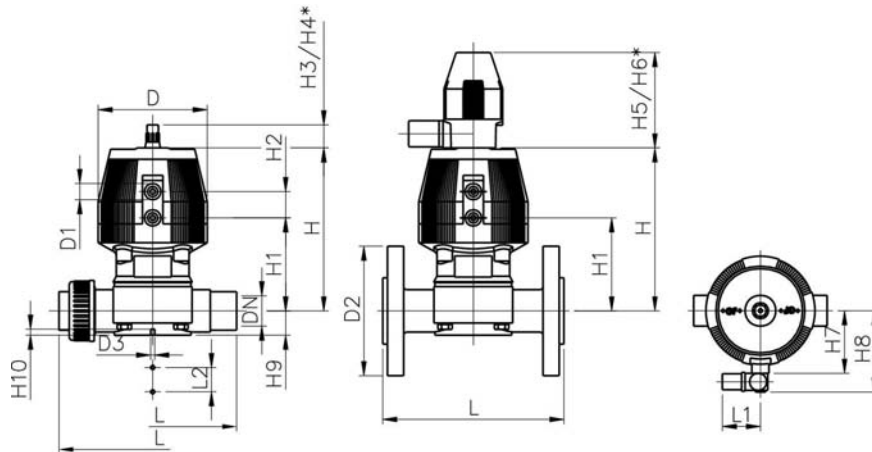
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg											
20	15	10	72	199 025 331	0.454											
25	20	10	120	199 025 332	0.740											
32	25	10	238	199 025 333	1.160											
40	32	10	341	199 025 334	1.390											
50	40	10	460	199 025 335	2.510											
63	50	10	685	199 025 336	5.430											

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FO (Fail safe to open)
Unions with fusion sockets metric

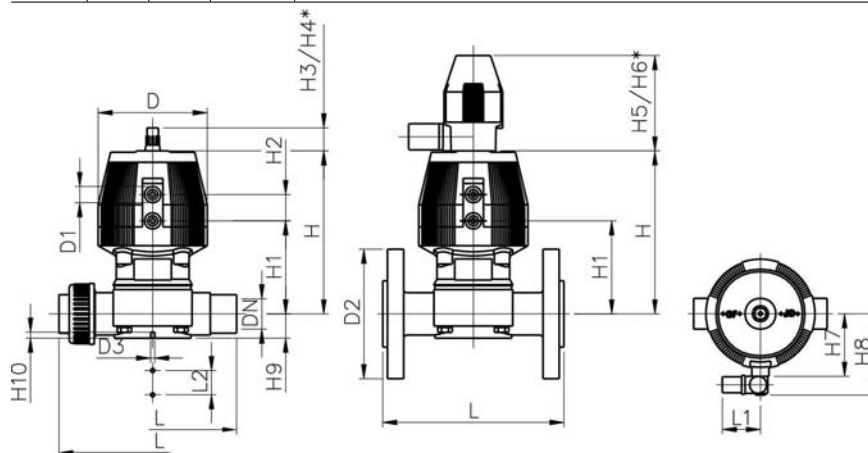
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- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 331	0.624
25	20	10	120	199 027 332	0.950
32	25	10	238	199 027 333	1.360
40	32	10	341	199 027 334	1.580
50	40	10	460	199 027 335	2.910
63	50	10	685	199 027 336	5.310

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	128	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	150	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	162	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	184	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	210	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	248	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FO (Fail safe to open)
With backing flanges PP-V metric

E

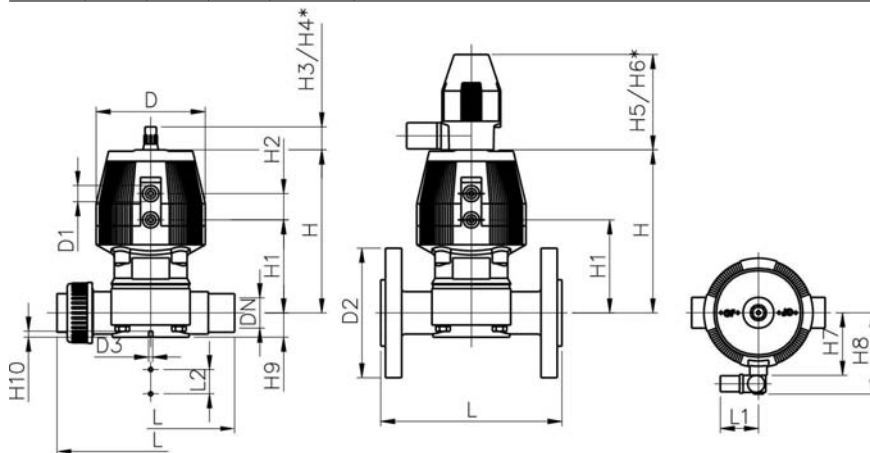
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg										
20	15	½	10	72	199 025 361	0.824										
25	20	¾	10	120	199 025 362	1.090										
32	25	1	10	238	199 025 363	1.610										
40	32	1 ¼	10	341	199 025 364	1.950										
50	40	1 ½	10	460	199 025 365	3.010										
63	50	2	10	685	199 025 366	5.510										

d [mm]	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	68	⅞	95	6	130	60	25	98	59	24	23	44	100	155	44
25	96	⅞	105	6	150	60	25	127	71	25	23	44	100	155	56
32	96	⅞	115	6	160	60	25	141	85	25	23	44	100	155	56
40	120	⅞	140	8	180	60	45	167	97	26	36	64	100	160	68
50	150	⅞	150	8	200	60	45	198	108	36	36	64	100	170	85
63	150	⅞	165	8	230	60	45	216	126	36	36	64	100	170	85

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	76	14	12	8
25	88	18	12	10
32	88	21	12	12
40	100	26	15	14
50	117	33	15	18
63	117	39	15	22



PF 3 39 212



SYGEF® standard Diaphragm valve type DIASTAR 025 Function FO (Fail safe to open) With fixed flanges PVDF metric

E

Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: on one side

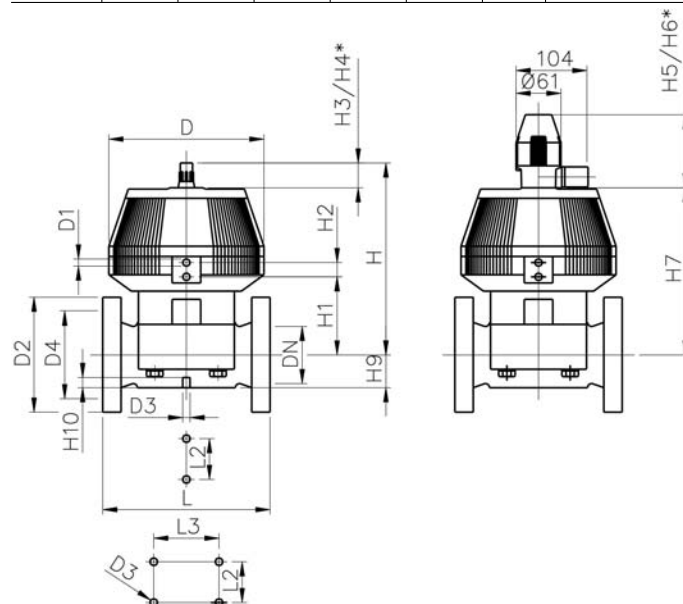
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg							
*75	65	2 ½	10	992	199 025 367	13.600							
**90	80	3	10	1700	199 025 368	17.400							
110	100	4	8	2700	199 025 369	24.700							
**160	150	6	6	6033	199 025 370	35.000							

d [mm]	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	
*75	280	¼	185	8	145	290	70		344	148	24	46	
**90	280	¼	200	12	160	310	120		348	150	24	46	
110	335	¼	225	12	180	350	120		395	176	24	46	
**160	335	¼	285	12	240	480	100	200	455	237	24	46	

d [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]	
*75	100	129	195	298	46	15	
**90	100	129	195	302	57	15	
110	100	129	195	349	69	20	
**160	100	129	195	409	108	20	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function FO (Fail safe to open)
With backing flanges PP-V ANSI

E

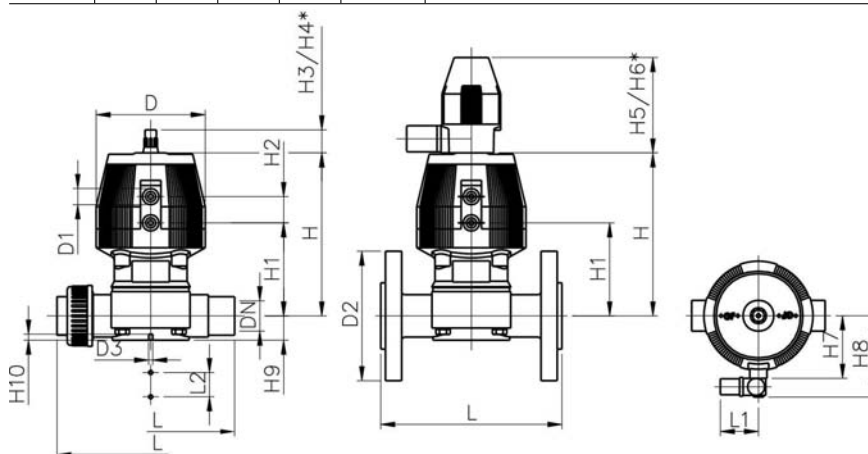
Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: both sides

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg										
1/2	15	10	72	199 025 611	0.824										
3/4	20	10	120	199 025 612	1.090										
1	25	10	238	199 025 613	1.610										
1 1/4	32	10	341	199 025 614	1.950										
1 1/2	40	10	460	199 025 615	3.010										
2	50	10	685	199 025 616	5.510										

Inch	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	
1/2	68	1/8	95	6	130	60	25	98	59	24	23	44	100	155	
3/4	96	1/8	105	6	150	60	25	127	71	25	23	44	100	155	
1	96	1/8	115	6	160	60	25	141	85	25	23	44	100	155	
1 1/4	120	1/8	140	8	180	60	45	167	97	26	36	64	100	160	
1 1/2	150	1/4	150	8	200	60	45	198	108	36	36	64	100	170	
2	150	1/4	165	8	230	60	45	216	126	36	36	64	100	170	

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
1/2	44	76	14	12	8	
3/4	56	88	18	12	10	
1	56	88	21	12	12	
1 1/4	68	100	26	15	14	
1 1/2	85	117	33	15	18	
2	85	117	39	15	22	



PF 3 39 212



SYGEF® standard Diaphragm valve type DIASTAR 025 Function FO (Fail safe to open) With fixed flanges PVDF ANSI

E

Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759

- With position indicator / Working pressure: on one side

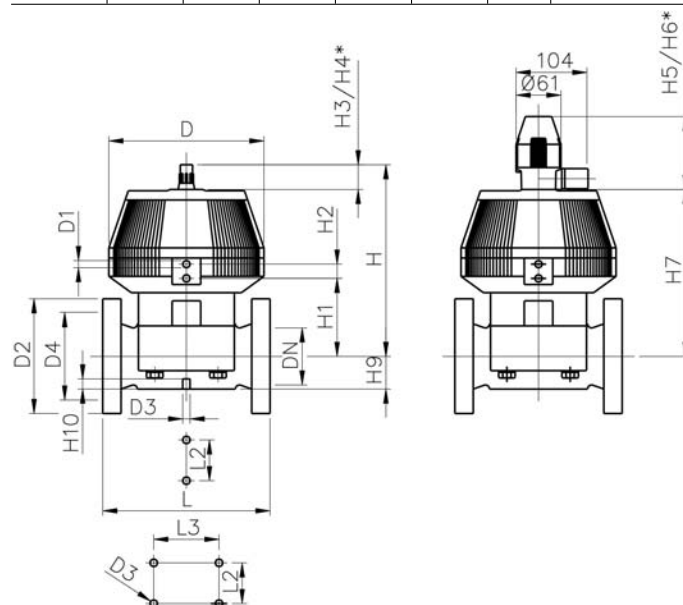
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg								
*2 ½	65	10	992	199 025 337	12.200								
**3	80	10	1700	199 025 368	17.400								
4	100	8	2700	199 025 339	23.400								
**6	150	6	6033	199 025 370	35.000								

Inch	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	
*2 ½	280	¼	185	8	145	290	70		344	148	24	46	
**3	280	¼	200	12	160	310	120		348	150	24	46	
4	335	¼	225	12	180	350	120		395	176	24	46	
**6	335	¼	285	12	240	480	100	200	455	237	24	46	

Inch	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]	
*2 ½	100	129	195	298	46	15	
**3	100	129	195	302	57	15	
4	100	129	195	349	69	20	
**6	100	129	195	409	108	20	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function DA (Double acting)
With butt fusion spigots IR metric

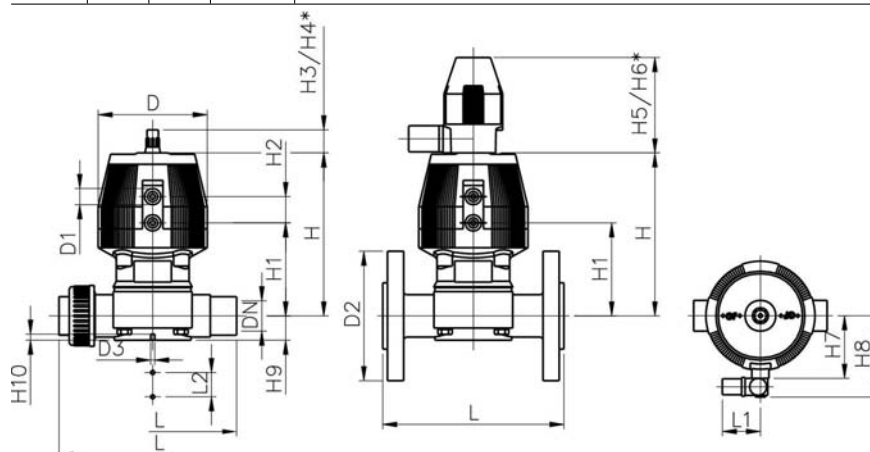
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- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	10	72	199 027 983	0.454	
25	20	10	120	199 027 984	0.740	
32	25	10	238	199 027 985	1.160	
40	32	10	341	199 027 986	1.390	
50	40	10	460	199 027 987	2.510	
63	50	10	685	199 027 988	5.430	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function DA (Double acting)
Unions with butt fusion spigots IR metric

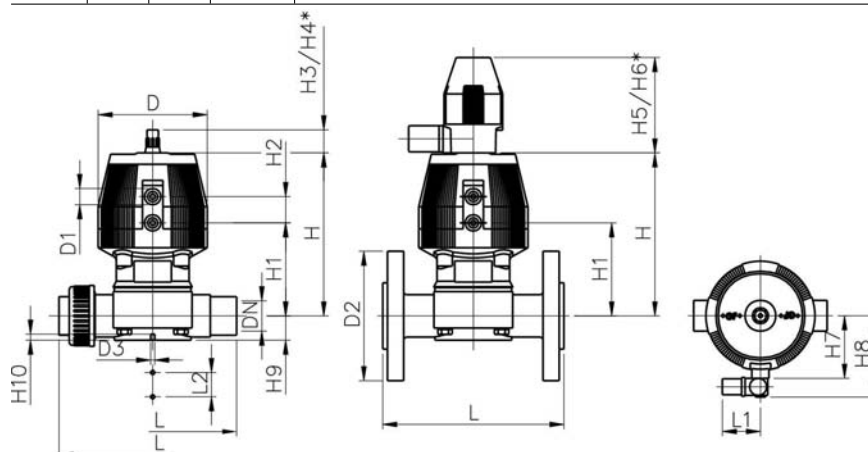
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 511	0.836
25	20	10	120	199 027 512	0.836
32	25	10	238	199 027 513	1.505
40	32	10	341	199 027 514	2.604
50	40	10	460	199 027 515	4.165
63	50	10	685	199 027 516	4.553

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	196	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	220	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	234	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	258	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	284	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	320	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function DA (Double acting)
With fusion spigots metric

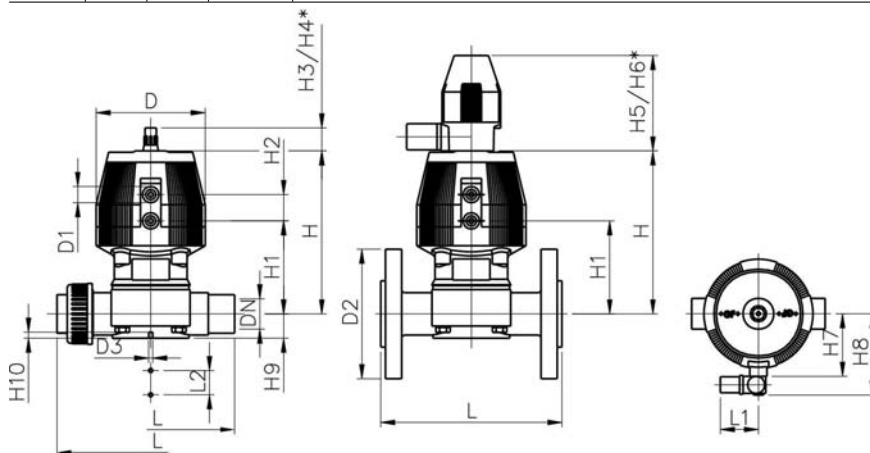
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- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	15	10	72	199 025 341	0.454	
25	20	10	120	199 025 342	0.740	
32	25	10	238	199 025 343	1.160	
40	32	10	341	199 025 344	1.390	
50	40	10	460	199 025 345	2.510	
63	50	10	685	199 025 346	5.430	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function DA (Double acting)
Unions with fusion sockets metric

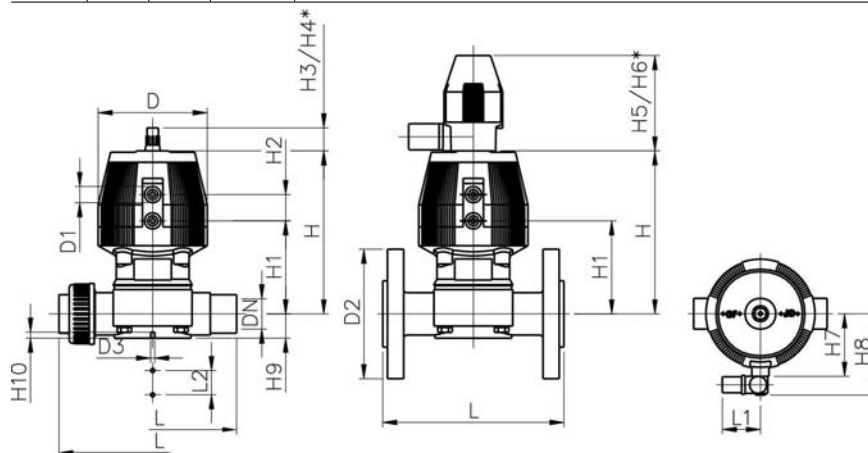
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 341	0.624
25	20	10	120	199 027 342	0.950
32	25	10	238	199 027 343	1.360
40	32	10	341	199 027 344	1.580
50	40	10	460	199 027 345	2.910
63	50	10	685	199 027 346	5.310

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	128	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	150	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	162	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	184	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	210	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	248	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function DA (Double acting)
With backing flanges PP-V metric

E

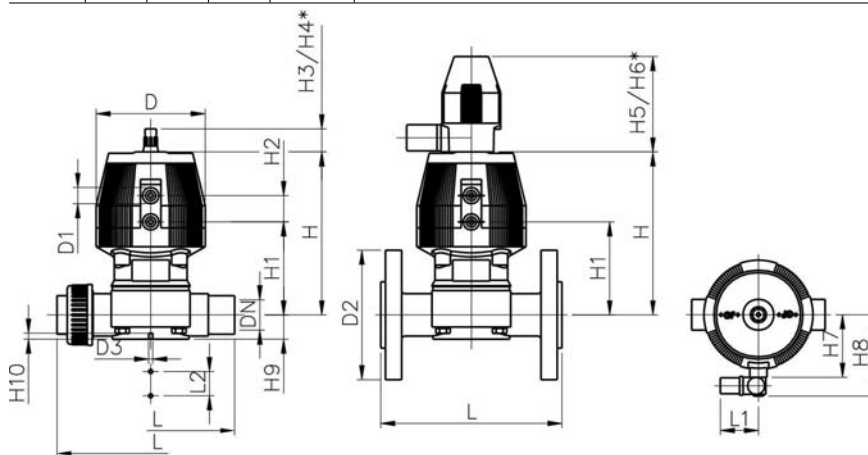
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg										
20	15	½	10	72	199 025 371	0.824										
25	20	¾	10	120	199 025 372	1.090										
32	25	1	10	238	199 025 373	1.610										
40	32	1 ¼	10	341	199 025 374	1.950										
50	40	1 ½	10	460	199 025 375	3.010										
63	50	2	10	685	199 025 376	5.510										

d [mm]	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	68	⅞	95	6	130	60	25	98	59	24	23	44	100	155	44
25	96	⅞	105	6	150	60	25	127	71	25	23	44	100	155	56
32	96	⅞	115	6	160	60	25	141	85	25	23	44	100	155	56
40	120	⅞	140	8	180	60	45	167	97	26	36	64	100	160	68
50	150	⅞	150	8	200	60	45	198	108	36	36	64	100	170	85
63	150	⅞	165	8	230	60	45	216	126	36	36	64	100	170	85

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	76	14	12	8
25	88	18	12	10
32	88	21	12	12
40	100	26	15	14
50	117	33	15	18
63	117	39	15	22



PF 3 39 212



SYGEF® standard Diaphragm valve type DIASTAR 025 Function DA (Double acting) With fixed flanges PVDF metric

E

Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: on one side

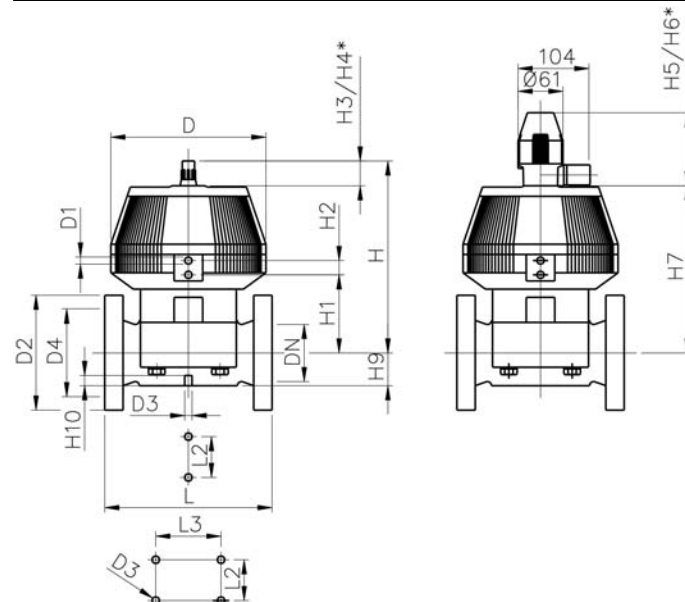
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg							
*75	65	2 ½	10	992	199 025 377	13.600							
**90	80	3	10	1700	199 025 378	17.400							
110	100	4	8	2700	199 025 379	24.700							
**160	150	6	6	6033	199 025 380	35.000							

d [mm]	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	
*75	280	¼	185	8	145	290	70		344	148	24	46	
**90	280	¼	200	12	160	310	120		348	150	24	46	
110	335	¼	225	12	180	350	120		395	176	24	46	
**160	335	¼	285	12	240	480	100	200	455	237	24	46	

d [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]	
*75	100	129	195	298	46	15	
**90	100	129	195	302	57	15	
110	100	129	195	349	69	20	
**160	100	129	195	409	108	20	



PF 3 39 212



SYGEF® standard
Diaphragm valve type DIASTAR 025
Function DA (Double acting)
With backing flanges PP-V ANSI

E

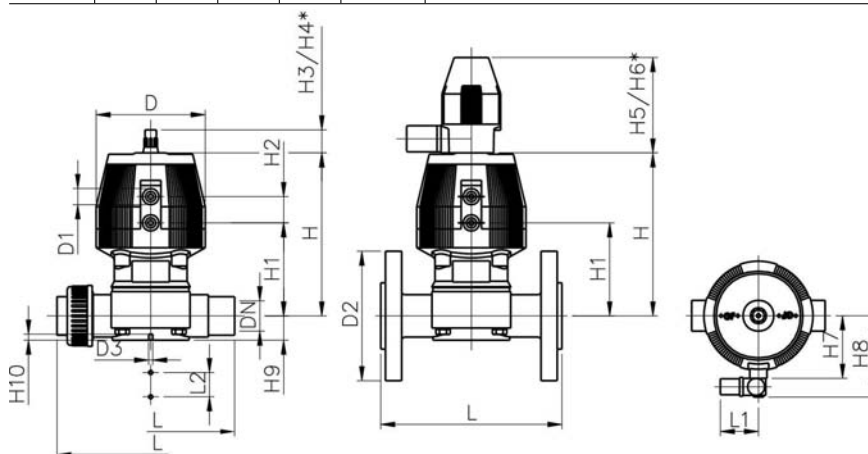
Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: both sides

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg										
1/2	15	10	72	199 025 621	0.824										
3/4	20	10	120	199 025 622	1.090										
1	25	10	238	199 025 623	1.610										
1 1/4	32	10	341	199 025 624	1.950										
1 1/2	40	10	460	199 025 625	3.010										
2	50	10	685	199 025 626	5.510										

Inch	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	
1/2	68	1/8	95	6	130	60	25	98	59	24	23	44	100	155	
3/4	96	1/8	105	6	150	60	25	127	71	25	23	44	100	155	
1	96	1/8	115	6	160	60	25	141	85	25	23	44	100	155	
1 1/4	120	1/8	140	8	180	60	45	167	97	26	36	64	100	160	
1 1/2	150	1/4	150	8	200	60	45	198	108	36	36	64	100	170	
2	150	1/4	165	8	230	60	45	216	126	36	36	64	100	170	

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
1/2	44	76	14	12	8	
3/4	56	88	18	12	10	
1	56	88	21	12	12	
1 1/4	68	100	26	15	14	
1 1/2	85	117	33	15	18	
2	85	117	39	15	22	



PF 3 39 212



SYGEF® standard Diaphragm valve type DIASTAR 025 Function DA (Double acting) With fixed flanges PVDF ANSI

E

Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759

- With position indicator / Working pressure: on one side

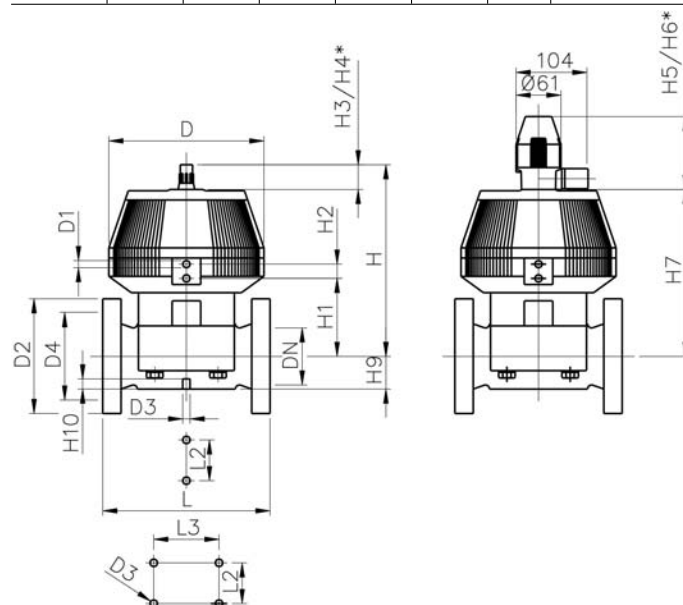
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg								
*2 ½	65	10	992	199 025 347	13.000								
**3	80	10	1700	199 025 378	17.400								
4	100	8	2700	199 025 349	24.100								
**6	150	6	6033	199 025 380	35.000								

Inch	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	
*2 ½	280	¼	185	8	145	290	70		344	148	24	46	
**3	280	¼	200	12	160	310	120		348	150	24	46	
4	335	¼	225	12	180	350	120		395	176	24	46	
**6	335	¼	285	12	240	480	100	200	455	237	24	46	

Inch	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]	
*2 ½	100	129	195	298	46	15	
**3	100	129	195	302	57	15	
4	100	129	195	349	69	20	
**6	100	129	195	409	108	20	



PF 3 39 212

Butterfly valves electric

SYGEF® standard

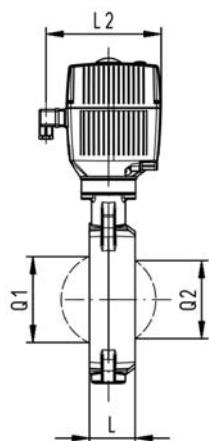
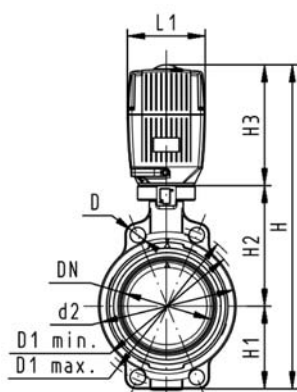
Butterfly valve type 140 100-230V

Without manual override

E

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558-1, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

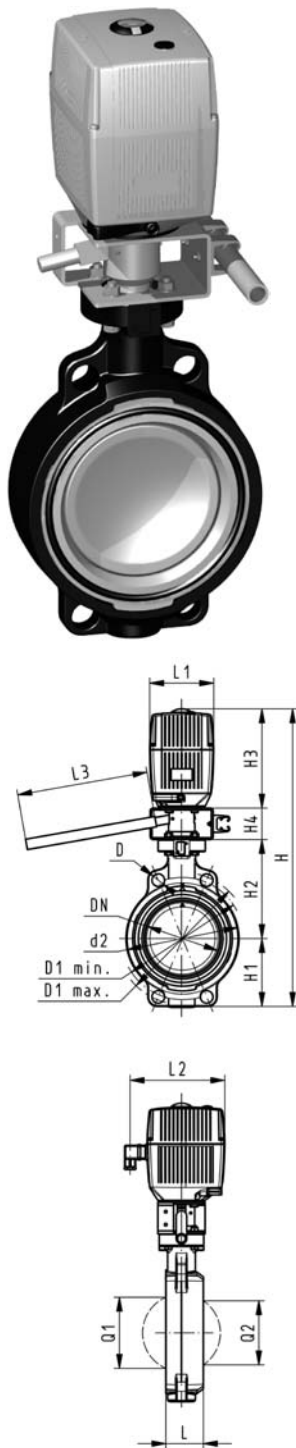


d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg
63	50	2	10	1470	199 140 582	4.218
75	65	2 ½	10	2200	199 140 583	4.330
90	80	3	10	3000	199 140 584	4.510
110	100	4	10	6500	199 140 585	5.162
140	125	5	10	11500	199 140 586	5.757
160	150	6	10	16600	199 140 587	6.977
225	200	8	10	39600	199 140 588	13.638

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

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

PF 3 39 643



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

E

Model:

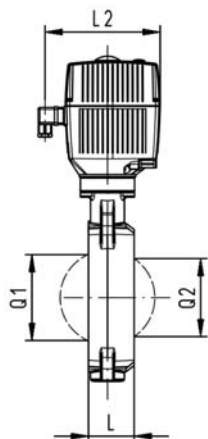
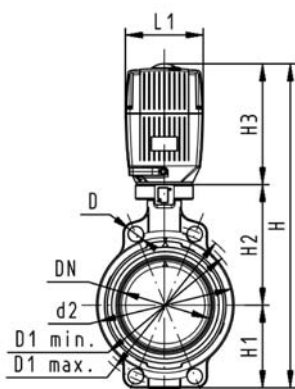
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558-1, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 140 562	5.718	
75	65	2 ½	10	2200	199 140 563	5.830	
90	80	3	10	3000	199 140 564	6.010	
110	100	4	10	6500	199 140 565	6.662	
140	125	5	10	11500	199 140 566	7.257	
160	150	6	10	16600	199 140 567	8.477	
225	200	8	10	39600	199 140 568	15.138	

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

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

PF 3 39 643



SYGEF® standard Butterfly valve type 140 24V Without manual override

E

Model:

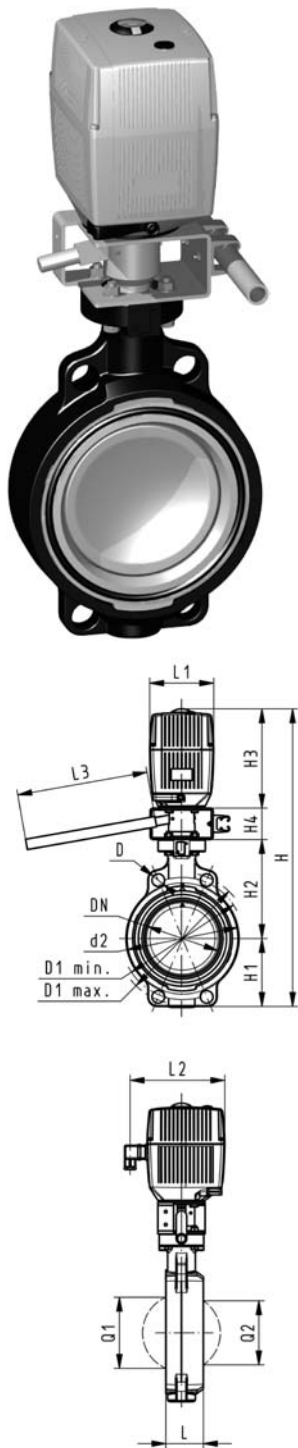
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558-1, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 140 622	4.218	
75	65	2 ½	10	2200	199 140 623	4.330	
90	80	3	10	3000	199 140 624	4.510	
110	100	4	10	6500	199 140 625	5.162	
140	125	5	10	11500	199 140 626	5.757	
160	150	6	10	16600	199 140 627	6.977	
225	200	8	10	39600	199 140 628	13.638	

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

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

PF 3 39 643



SYGEF® standard Butterfly valve type 140 24V With manual override

E

Model:

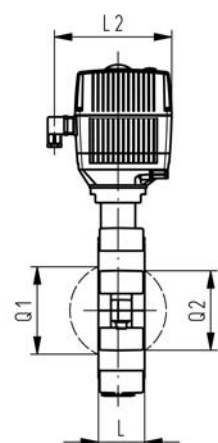
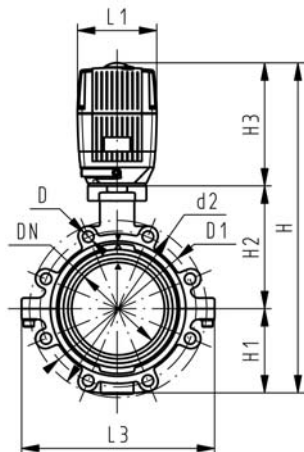
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558-1, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 140 602	5.718	
75	65	2 ½	10	2200	199 140 603	5.830	
90	80	3	10	3000	199 140 604	6.010	
110	100	4	10	6500	199 140 605	6.662	
140	125	5	10	11500	199 140 606	7.257	
160	150	6	10	16600	199 140 607	8.477	
225	200	8	10	39600	199 140 608	15.138	

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

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

PF 3 39 643



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

E

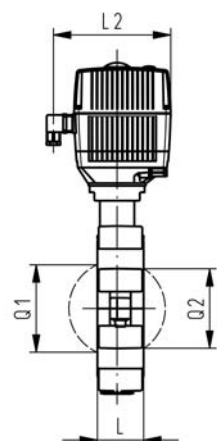
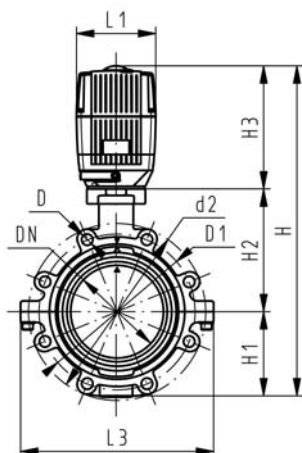
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 141 582	6.308	
75	65	2 ½	10	2200	199 141 583	6.671	
90	80	3	10	3000	199 141 584	7.728	
110	100	4	10	6500	199 141 585	9.260	
140	125	5	10	11500	199 141 586	11.241	
160	150	6	10	16600	199 141 587	13.460	
225	200	8	10	39600	199 141 588	23.614	

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

PF 3 39 643



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

E

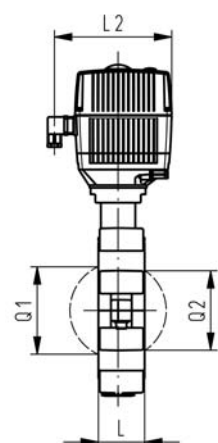
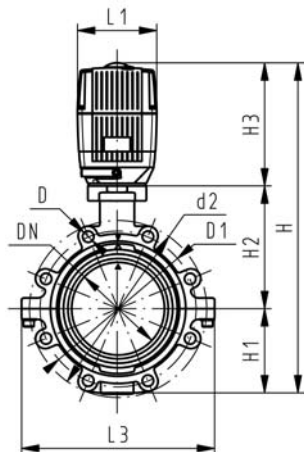
Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension: ISO 7005 PN10, EN 1092 PN 10, DIN 2501 PN10
- Overall length according to EN 558-1, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 141 622	6.308	
75	65	2 ½	10	2200	199 141 623	6.671	
90	80	3	10	3000	199 141 624	7.728	
110	100	4	10	6500	199 141 625	9.260	
140	125	5	10	11500	199 141 626	11.241	
160	150	6	10	16600	199 141 627	13.460	
225	200	8	10	39600	199 141 628	23.614	

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

PF 3 39 643



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

E

Model:

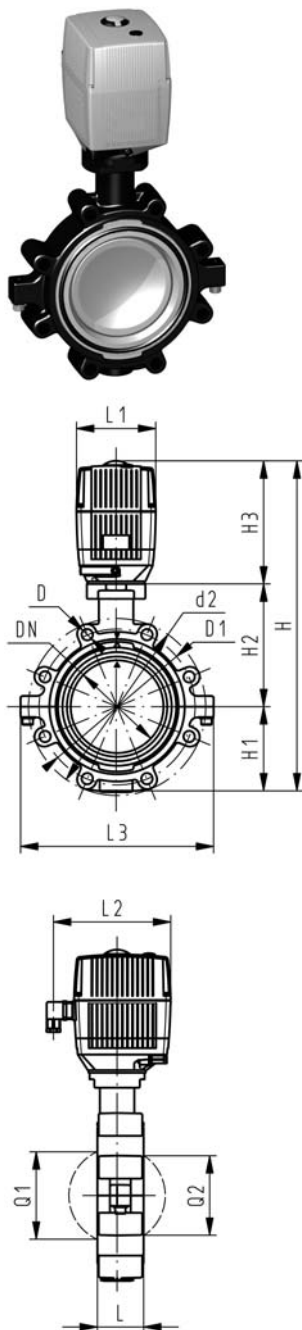
- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Voltage 100-230 V, 50-60 Hz
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

Inch	DN [mm]	d [mm]	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
2	50	63	10	1470	199 142 582	6.308	
2 ½	65	75	10	2200	199 142 583	6.671	
3	80	90	10	3000	199 142 584	7.099	
4	100	110	10	6500	199 142 585	9.260	
5	125	140	10	11500	199 142 586	11.241	
6	150	160	10	16600	199 142 587	13.460	
8	200	225	10	39600	199 142 588	23.614	

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

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

PF 3 39 643



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

E

Model:

- Outer body in GGG-40.3 epoxy-coated
- Connecting dimension ANSI B 16.5 Class 150
- Overall length according to EN 558-1, ISO 5752
- Voltage 24 V AC/DC
- Control time 15 s/90°<) EA31
- Control time 25s/90°<) EA42
- Control range 90°<)
- Actuator with integrated emergency manual override standard

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
2	50	63	10	1470	199 142 622	6.308	
2 ½	65	75	10	2200	199 142 623	6.671	
3	80	90	10	3000	199 142 624	7.099	
4	100	110	10	6500	199 142 625	9.260	
5	125	140	10	11500	199 142 626	11.241	
6	150	160	10	16600	199 142 627	13.460	
8	200	225	10	39600	199 142 628	23.614	

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

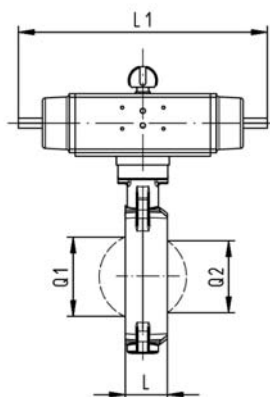
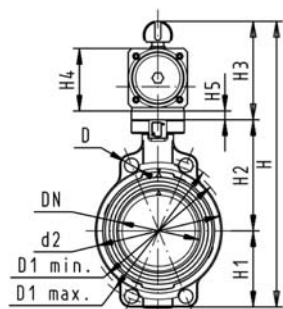
Inch	Q2 [mm]	
2		
2 ½	35	
3	50	
4	74	
5	97	
6	123	
8	169	

PF 3 39 643

Butterfly valves pneumatic

SYGEF® standard Butterfly valve type 240 FC (Fail safe to close) Without manual override

E



Model:

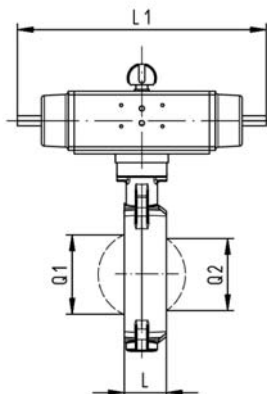
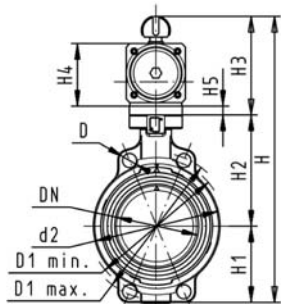
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg
63	50	2	10	1470	199 240 462	3.258
75	65	2 ½	10	2200	199 240 463	3.370
90	80	3	10	3000	199 240 464	3.550
110	100	4	10	6500	199 240 465	5.400
140	125	5	10	11500	199 240 466	6.997
160	150	6	10	16600	199 240 467	10.538
225	200	8	10	39600	199 240 468	15.138

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

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

PF 3 39 644



PF 3 39 644

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

E

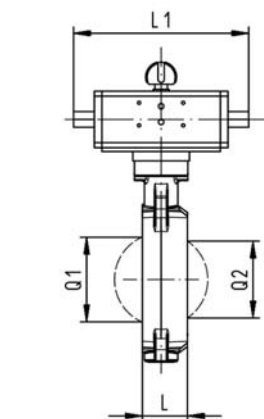
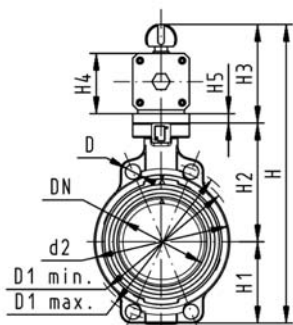
Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 240 482	3.258	
75	65	2 ½	10	2200	199 240 483	3.370	
90	80	3	10	3000	199 240 484	3.550	
110	100	4	10	6500	199 240 485	5.400	
140	125	5	10	11500	199 240 486	6.997	
160	150	6	10	16600	199 240 487	10.538	
225	200	8	10	39600	199 240 488	15.138	

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

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



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

E

Model:

- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220
- Overall length according to EN 558-1, ISO 5752
- Control range 90°<)

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 240 502	2.108	
75	65	2 ½	10	2200	199 240 503	2.220	
90	80	3	10	3000	199 240 504	2.881	
110	100	4	10	6500	199 240 505	3.652	
140	125	5	10	11500	199 240 506	4.247	
160	150	6	10	16600	199 240 507	7.017	
225	200	8	10	39600	199 240 508	9.138	

d [mm]	Actuator unit type	D [mm]	D1 min. [mm]	D1 max. [mm]	d2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	L [mm]	L1 [mm]
63	PA-35 DA	19	120.0	125.0	104	317	77	134	107	60	15	45	177
75	PA-35 DA	19	139.7	145.0	115	330	83	140	107	60	15	46	177
90	PA-40 DA	19	150.0	160.0	131	348	89	146	113	66	15	49	190
110	PA-45 DA	19	175.0	190.5	161	372	104	167	102	71		56	198
140	PA-45 DA	23	210.0	215.9	187	408	117	181	111	78		64	235
160	PA-55 DA	24	241.3	241.3	215	448	130	189	129	86		72	250
225	PA-55 DA	23	290.0	295.0	267	507	158	210	139	96		73	279

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

PF 3 39 644

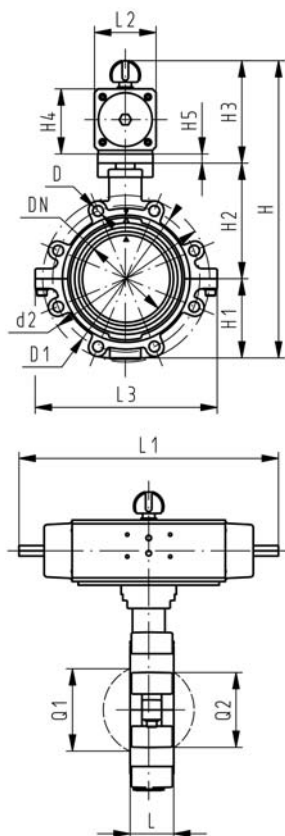


SYGEF® standard Lugstyle butterfly valve type 241 FC (Fail safe to close) Without manual override

E

Model:

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



d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 241 462	5.348	
75	65	2 ½	10	2200	199 241 463	5.711	
90	80	3	10	3000	199 241 464	6.768	
110	100	4	10	6500	199 241 465	9.498	
140	125	5	10	11500	199 241 466	12.481	
160	150	6	10	16600	199 241 467	17.021	
225	200	8	10	39600	199 241 468	25.114	

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

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

PF 3 39 644

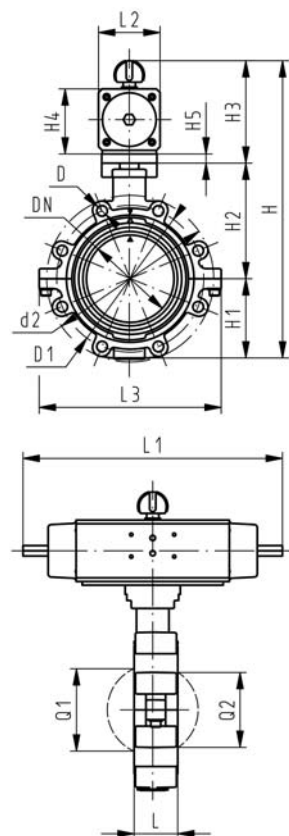


SYGEF® standard Lugstyle butterfly valve type 241 FO (Fail safe to open) Without manual override

E

Model:

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



d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 241 482	5.348	
75	65	2 ½	10	2200	199 241 483	5.711	
90	80	3	10	3000	199 241 484	6.768	
110	100	4	10	6500	199 241 485	9.498	
140	125	5	10	11500	199 241 486	12.481	
160	150	6	10	16600	199 241 487	17.021	
225	200	8	10	39600	199 241 488	25.114	

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

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

PF 3 39 644

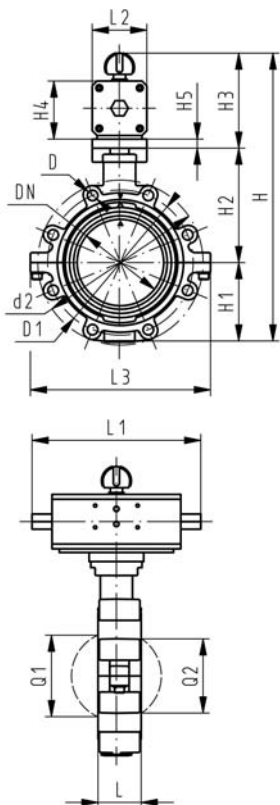


SYGEF® standard Lugstyle butterfly valve type 241 DA (Double acting) Without manual override

E

Model:

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



PF 3 39 644

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
63	50	2	10	1470	199 241 502	4.198	
75	65	2 ½	10	2200	199 241 503	4.561	
90	80	3	10	3000	199 241 504	6.099	
110	100	4	10	6500	199 241 505	7.750	
140	125	5	10	11500	199 241 506	9.731	
160	150	6	10	16600	199 241 507	13.500	
225	200	8	10	39600	199 241 508	19.114	

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

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

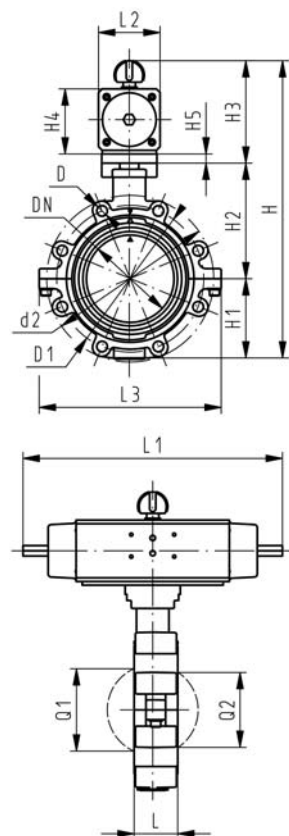


SYGEF® standard Lugstyle butterfly valve type 242 ANSI FC (Fail safe to close) Without manual override

E

Model:

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



Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
2	50	63	10	1470	199 242 462	5.348	
2 ½	65	75	10	2200	199 242 463	5.711	
3	80	90	10	3000	199 242 464	6.139	
4	100	110	10	6500	199 242 465	9.498	
5	125	140	10	11500	199 242 466	12.481	
6	150	160	10	16600	199 242 467	17.021	
8	200	225	10	39600	199 242 468	25.114	

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

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

PF 3 39 644

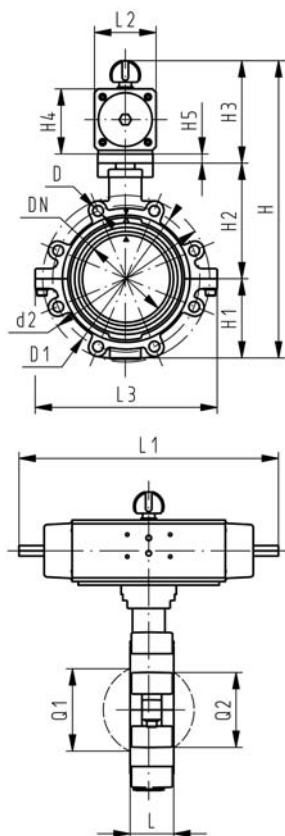


SYGEF® standard Lugstyle butterfly valve type 242 ANSI FO (Fail safe to open) Without manual override

E

Model:

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



PF 3 39 644

Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
2	50	63	10	1470	199 242 482	5.348	
2 ½	65	75	10	2200	199 242 483	5.711	
3	80	90	10	3000	199 242 484	6.139	
4	100	110	10	6500	199 242 485	9.498	
5	125	140	10	11500	199 242 486	12.481	
6	150	160	10	16600	199 242 487	17.021	
8	200	225	10	39600	199 242 488	25.114	

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

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

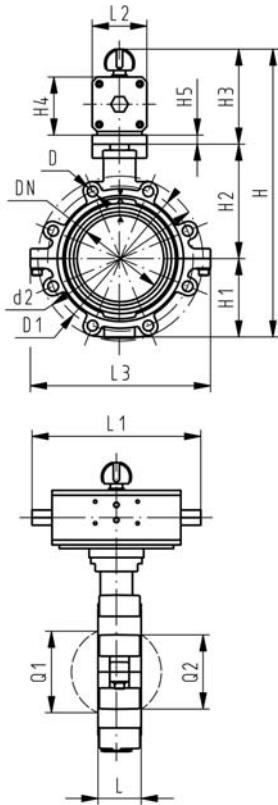


SYGEF® standard Lugstyle butterfly valve type 242 ANSI DA (Double acting) Without manual override

E

Model:

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

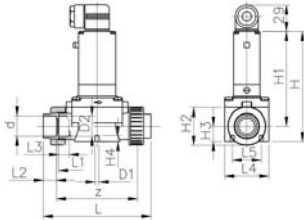


Inch	DN [mm]	d [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
2	50	63	10	1470	199 242 502	4.198	
2 ½	65	75	10	2200	199 242 503	4.561	
3	80	90	10	3000	199 242 504	5.470	
4	100	110	10	6500	199 242 505	7.750	
5	125	140	10	11500	199 242 506	9.731	
6	150	160	10	16600	199 242 507	13.500	
8	200	225	10	39600	199 242 508	19.114	

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

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

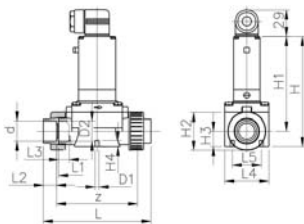
PF 3 39 644



E

- | d
[mm] | DN
[mm] | PN
[bar] | kv-value
(Δp=1 bar)
[l/min] | EPDM
Code | FPM
Code | kg | |
|------------------|-------------------|--------------------|---|----------------------------|---------------------------|-----------|--|
| 20 | 15 | 0.5 - 6.0 | 83 | 199 165 412 | 199 165 402 | 0.700 | |
| 25 | 20 | 0.5 - 6.0 | 100 | 199 165 413 | 199 165 403 | 0.700 | |
| 32 | 25 | 0.5 - 6.0 | 233 | 199 165 414 | 199 165 404 | 1.200 | |
| 40 | 32 | 0.5 - 6.0 | 500 | 199 165 415 | 199 165 405 | 1.300 | |
| 50 | 40 | 0.5 - 6.0 | 500 | 199 165 416 | 199 165 406 | 2.200 | |
| 63 | 50 | 0.5 - 6.0 | 600 | 199 165 417 | 199 165 407 | 2.200 | |

d	D2	z	L	L1	L2	L3	L4	L5	H	H1	H2	H3	H4	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
20		120	147	109	16		63	40	148	122	53	22	8	
25	25	120	151	109	18	18	62	40	148	122	53	22	8	
32		150	185	139	20		85	45	175	137	76	31	15	
40	40	150	189	139	22	23	85	45	175	137	76	31	15	
50		200	245	189	25		115	45	212	160	105	42	15	
63	63	200	253	189	29	33	115	45	212	160	105	42	15	

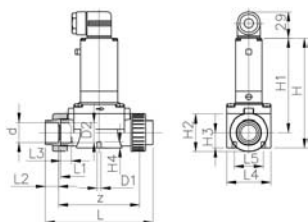


E

- | d
[mm] | DN
[mm] | PN
[bar] | kv-value
($\Delta p=1$ bar)
[l/min] | EPDM
Code | FPM
Code | kg | |
|------------------|-------------------|--------------------|--|----------------------------|---------------------------|-----------|--|
| 20 | 15 | 0.5 - 6.0 | 83 | 199 165 442 | 199 165 432 | 0.700 | |
| 25 | 20 | 0.5 - 6.0 | 100 | 199 165 443 | 199 165 433 | 0.700 | |
| 32 | 25 | 0.5 - 6.0 | 233 | 199 165 444 | 199 165 434 | 1.200 | |
| 40 | 32 | 0.5 - 6.0 | 267 | 199 165 445 | 199 165 435 | 1.200 | |
| 50 | 40 | 0.5 - 6.0 | 500 | 199 165 446 | 199 165 436 | 2.200 | |
| 63 | 50 | 0.5 - 6.0 | 600 | 199 165 447 | 199 165 437 | 2.200 | |

d	D2	z	L	L1	L2	L3	L4	L5	H	H1	H2	H3	H4	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
20		120	147	109	16		63	40	148	122	53	22	8	
25	25	120	151	109	18	18	62	40	148	122	53	22	8	
32		150	185	139	20		85	45	175	137	76	31	15	
40	40	150	189	139	22	23	85	45	175	137	76	31	15	
50		200	245	189	25		115	45	212	160	105	42	15	
63	63	200	253	189	29	33	115	45	212	160	105	42	15	

+GF+ www.vyt.com.mx , ventas@vyt.com.mx



SYGEF® standard

Solenoid valve type 165

Standard voltage 24V DC

With fusion sockets metric

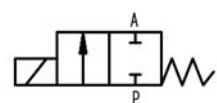
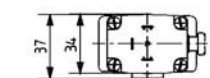
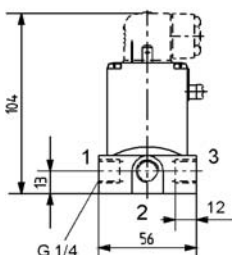
E

- Solenoid valve 2/2 ways
- Servo assisted
- Function A
- Function B on request
- Attention: Some inner parts in contact with the media are made of PVDF

d [mm]	DN [mm]	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	EPDM Code	FPM Code	kg	
20	15	0.5 - 6.0	83	199 165 422	199 165 452	0.700	
25	20	0.5 - 6.0	100	199 165 423	199 165 453	0.700	
32	25	0.5 - 6.0	233	199 165 424	199 165 454	1.300	
40	32	0.5 - 6.0	267	199 165 425	199 165 455	1.200	
50	40	0.5 - 6.0	500	199 165 426	199 165 456	2.200	
63	50	0.5 - 6.0	600	199 165 427	199 165 457	2.200	

d [mm]	D2 [mm]	z [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	
20		120	147	109	16		63	40	148	122	53	22	8	
25	25	120	151	109	18	18	62	40	148	122	53	22	8	
32		150	185	139	20		85	45	175	137	76	31	15	
40	40	150	189	139	22	23	85	45	175	137	76	31	15	
50		200	245	189	25		115	45	212	160	105	42	15	
63	63	200	253	189	29	33	115	45	212	160	105	42	15	

PF 3 39 215



SYGEF® standard

Solenoid valve type 166

Function A straight valve 2/2 ways

Nominal voltage 24V DC

With G 1/4 line connection

- With manual override
- Electrical connection: cable plug
- Function C on request
- Voltage 24 VAC 42 VAC 110 VAC on request

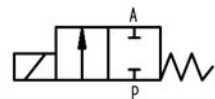
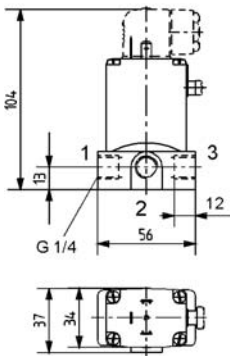
DN [mm]	D1_G [inch]	Func- tion	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
3	1/4	A	0.0 - 8.0	4	199 166 505	0.400	
4	1/4	A	0.0 - 4.0	5	199 166 506	0.400	
5	1/4	A	0.0 - 3.0	6	199 166 507	0.400	

PF 3 39 215



SYGEF® standard
Solenoid valve type 166
Function A straight valve 2/2 ways
Nominal voltage 230V 50Hz +-10%
With G 1/4 line connection

- With manual override
- Electrical connection: cable plug
- Function C on request
- Voltage 24 VAC 42 VAC 110 VAC on request



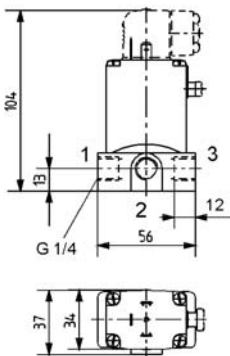
PF 3 39 215

DN [mm]	D1_G [inch]	Func- tion	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
3	1/4	A	0.0 - 10.0	4	199 166 515	0.400	
4	1/4	A	0.0 - 5.0	5	199 166 516	0.400	
5	1/4	A	0.0 - 4.5	6	199 166 517	0.400	



SYGEF® standard
Solenoid valve type 166
Function E blending valve 3/2 ways
Nominal voltage 24V DC
With G 1/4 line connection

- With manual override
- Electrical connection: cable plug
- Function C on request
- Voltage 24 VAC 42 VAC 110 VAC on request



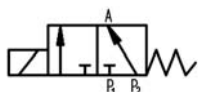
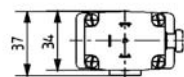
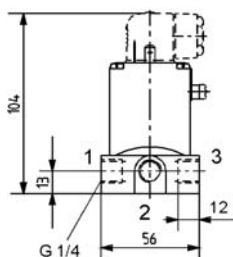
PF 3 39 215

DN [mm]	D1_G [inch]	Func- tion	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
4	1/4	E	0.0 - 2.0	5	199 166 656	0.400	



SYGEF® standard
Solenoid valve type 166
Function E blending valve 3/2 ways
Nominal voltage 230V 50Hz +-10%
With G 1/4 line connection

- With manual override
- Electrical connection: cable plug
- Function C on request
- Voltage 24 VAC 42 VAC 110 VAC on request



DN [mm]	D1_G [inch]	Func- tion	PN [bar]	kv-value ($\Delta p=1$ bar) [l/min]	FPM Code	kg	
4	1/4	E	0.0 - 3.0	5	199 166 666	0.400	

PF 3 39 215

Process control valves

SYGEF® standard Pressure reducing valve type V 782 With fusion spigots metric

E



PF 3 58 458

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]	
16	10	0.5 - 10	199 041 084	1.300	83	134	102	138	48	
20	15	0.5 - 10	199 041 085	1.300	83	134	102	138	48	
25	20	0.5 - 10	199 041 086	1.700	113	154	110	205	65	
32	25	0.5 - 10	199 041 087	1.700	113	154	110	205	65	
40	32	0.5 - 10	199 041 088	4.840	165	224	162	248	95	
50	40	0.5 - 10	199 041 089	4.840	165	224	162	248	95	

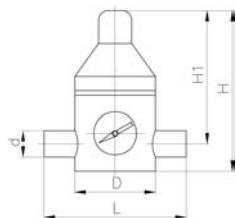
SYGEF® standard Pressure reducing valve type V 82 With fusion spigots metric

E



PF 3 58 458

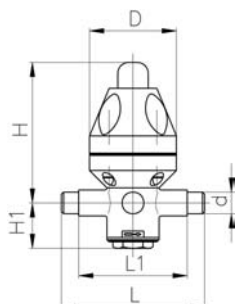
d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
16	10	0.5 - 10	199 041 052	0.790	70	134	130	100	
20	15	0.5 - 10	199 041 053	0.790	70	134	130	100	
25	20	0.5 - 10	199 041 054	1.620	100	174	170	130	
32	25	0.5 - 10	199 041 055	1.620	100	174	170	130	
40	32	0.5 - 10	199 041 056	3.150	130	224	230	175	
50	40	0.5 - 10	199 041 057	3.150	130	224	230	175	
63	50	0.5 - 10	199 041 058	5.700	155	244	285	210	
75	65	0.5 - 6	199 041 059	11.600	190	284	350	250	



PF 3 58 458

SYGEF® standard Pressure reducing valve type V 182 With fusion spigots metric

d [mm]	DN [mm]	Pressure range [bar]	FPM Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
16	10	0.5 - 10	199 041 661	0.790	70	134	130	100	
20	15	0.5 - 10	199 041 662	0.790	70	134	130	100	
25	20	0.5 - 10	199 041 663	1.620	100	174	170	130	
32	25	0.5 - 10	199 041 664	1.620	100	174	170	130	
40	32	0.5 - 10	199 041 665	3.150	130	224	230	175	
50	40	0.5 - 10	199 041 666	3.150	130	224	230	175	

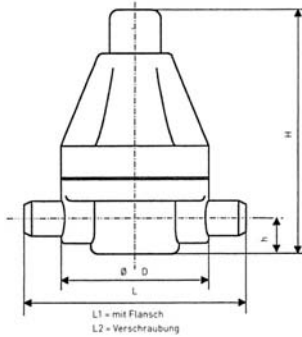


PF 3 58 458

SYGEF® standard Pressure retaining valve type V 786 With fusion spigots metric

E

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]	
16	10	0.5 - 10	199 041 114	0.620	83	134	102	138	38	
20	15	0.5 - 10	199 041 115	0.620	83	134	102	158	38	
25	20	0.5 - 10	199 041 116	1.700	113	154	110	205	55	
32	25	0.5 - 10	199 041 117	1.700	113	154	110	205	55	
40	32	0.5 - 4	199 041 118	4.840	165	224	162	248	85	
50	40	0.5 - 4	199 041 119	4.840	165	224	162	248	85	

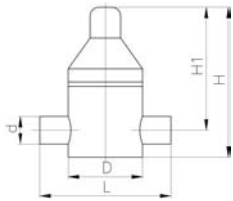


PF 3 58 458

SYGEF® standard Pressure retaining valve type V 186 With fusion spigots metric

E

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
16	10	0.5 - 10	199 041 323	0.600	83	134	137	20	
20	15	0.5 - 10	199 041 324	0.600	83	134	137	20	
25	20	0.5 - 10	199 041 325	0.600	83	134	137	20	
32	25	0.5 - 10	199 041 326	1.600	112	174	199	27	
40	32	0.5 - 10	199 041 327	1.600	112	174	199	27	
50	40	0.5 - 10	199 041 328	8.000	165	224	290	43	
63	50	0.5 - 10	199 041 329	8.200	165	244	290	43	

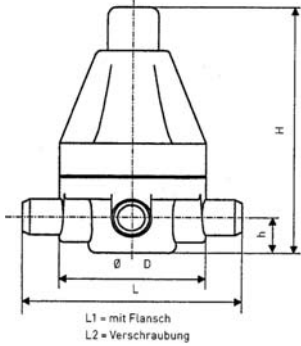


PF 3 58 458

SYGEF® standard Pressure retaining valve type V 86 With fusion spigots metric

E

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
75	65	1.0 - 6	199 041 892	7.730	180	284	275	230	

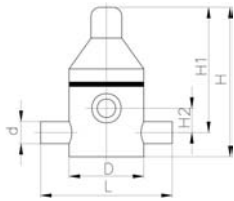


PF 3 58 458

SYGEF® standard Pressure relief valve type V 185 With fusion spigots metric

E

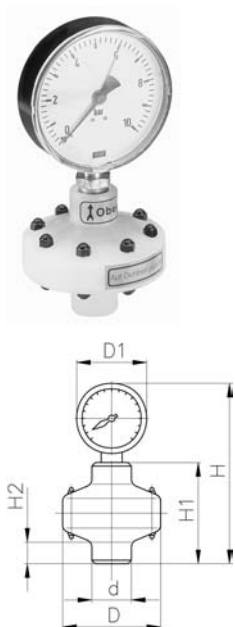
d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
16	10	0.5 - 10	199 041 344	0.700	83	134	137	20	
20	15	0.5 - 10	199 041 345	0.700	83	134	137	20	
25	20	0.5 - 10	199 041 346	0.700	83	134	137	20	
32	25	0.5 - 10	199 041 347	1.700	112	174	199	27	
40	32	0.5 - 10	199 041 348	1.700	112	174	199	27	
50	40	0.5 - 10	199 041 349	8.100	165	224	290	43	
63	50	0.5 - 10	199 041 350	8.300	165	244	290	43	



PF 3 58 458

SYGEF® standard Pressure relief valve type V 85 With fusion spigots metric

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	H2 [mm]	
75	65	1.0 - 6	199 041 898	13.000	180	284	295	250	70	

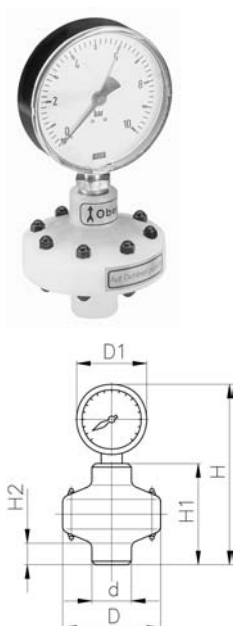


PF 3 58 458

SYGEF® standard Gauge guard type Z 700 With manometer 0-10 bar

E

d [mm]	G [inch]	PTFE Code	kg	D [mm]	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	
25	¼	199 041 004	0.320	72	63	129	71	15	
32	½	199 041 005	0.670	100	100	210	90	22	



PF 3 58 458

SYGEF® standard Gauge guard type Z 700 With manometer 0-6 bar

E

d [mm]	G [inch]	PTFE Code	kg	D [mm]	D1 [mm]	H [mm]	H1 [mm]	H2 [mm]	
25	¼	199 041 296	0.320	72	63	129	71	15	
32	½	199 041 297	0.670	100	100	210	90	22	

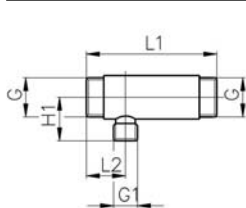


SYGEF® standard Water jet suction pump type P 20

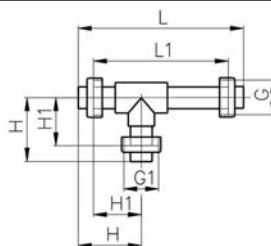
E

- DN 10-20: BSP parallel female thread
- DN 25-50: Fusion socket metric
- DN 65-80: Fusion spigot metric

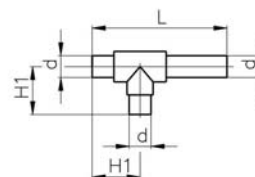
d [mm]	DN [mm]	PN	FPM Code	kg	G [inch]	G1 [inch]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	
16	10	10	199 041 138	0.160	R 3/4	R 3/4		110	40		35	
20	15	10	199 041 139	0.300	R 1	R 3/4		110	40		35	
25	20	10	199 041 140	0.480	R 1 1/4	R 3/4		145	45		45	
32	25	10	199 041 141	0.690	R 1 1/2	R 1 1/2	245	195		96	71	
40	32	10	199 041 142	1.100	R 2	R 2	297	239		116	87	
50	40	10	199 041 143	1.880	R 2 1/4	R 2 1/4	369	301		139	105	
63	50	10	199 041 144	3.340	R 2 3/4	R 2 3/4	433	351		169	128	
75	65	10	199 041 145	3.340	-	-	388				115	
90	80	10	199 041 146	5.500	-	-	465				149	



DN 10 - 20



DN 25 - 50



DN 65 - 80

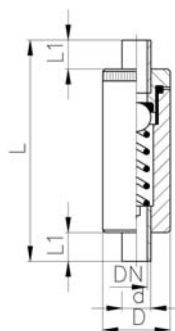
PF 3 58 458



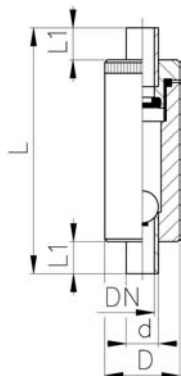
SYGEF® standard Ventilating valve type V 95 With fusion spigots metric

E

d [mm]	DN [mm]	FPM Code	kg	D [mm]	L [mm]	L1 [mm]	
16	10	199 041 283	0.090	35	114	14	
20	15	199 041 284	0.130	40	124	16	
25	20	199 041 285	0.180	45	144	19	
32	25	199 041 286	0.280	55	154	22	
40	32	199 041 287	0.550	70	174	26	
50	40	199 041 288	0.700	80	194	31	
63	50	199 041 289	1.280	95	224	38	
75	65	199 041 290	1.900	115	284	44	
90	80	199 041 291	3.230	150	300	51	



PF 3 58 458

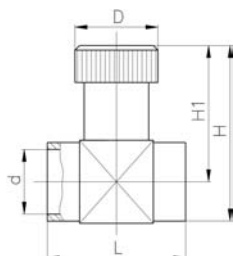


PF 3 58 458

SYGEF® standard Ventilating and bleed valve type V 91 With fusion spigots metric

E

d [mm]	DN [mm]	FPM Code	kg	D [mm]	L [mm]	L1 [mm]	
16	10	199 041 256	0.090	35	114	14	
20	15	199 041 257	0.130	40	124	16	
25	20	199 041 258	0.180	45	144	19	
32	25	199 041 259	0.270	55	154	22	
40	32	199 041 260	0.520	70	174	26	
50	40	199 041 261	0.660	80	194	31	
63	50	199 041 262	1.210	95	224	38	
75	65	199 041 263	1.770	115	284	44	
90	80	199 041 264	3.100	150	300	51	



PF 3 58 458

SYGEF® standard Throttle valve type V 251 With fusion sockets metric

E

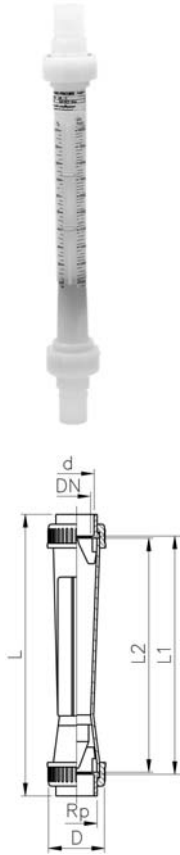
d [mm]	DN [mm]	PN	FPM Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
16	10	10	199 041 231	0.150	29	47	57	45	
20	15	10	199 041 232	0.124	35	55	66	51	
25	20	10	199 041 233	0.100	40	66	80	63	
32	25	10	199 041 234	0.135	47	80	96	75	
40	32	10	199 041 235	-	56	100	111	86	
50	40	10	199 041 236	0.250	70	120	133	101	
63	50	10	199 041 237	1.240	88	146	158	118	

Variable area flow meters

Special version PVDF

Float in PVDF (red) without magnet

- Limit contacts (min. / max.) and special scales on request



PF 3 48 227

Type	d [mm]	DN [mm]	Scale range [l/h]	Taper tube in PVDF O-rings in FPM fusion socket Code	Taper tube in PVDF O-rings in FPM IR fusion spigot Code	kg	
SK 10	32	25	50 - 500	198 806 466	198 803 905	0.520	
SK 11	32	25	100 - 1000	198 806 467	198 803 906	0.520	
SK 20	50	40	200 - 2000	198 806 468	198 803 907	1.220	
SK 21	50	40	300 - 3000	198 806 469	198 803 908	1.220	
SK 30	63	50	600 - 6000	198 806 470	198 803 909	1.680	
SK 31	63	50	1200 - 12000	198 806 471	198 803 910	1.680	
SK 40	75	65	2000 - 20000	198 806 472	198 803 911	2.900	
SK 41	75	65	3000 - 30000	198 806 473	198 803 912	2.900	

Type	D [mm]	L [mm]	L (IR-SS) [mm]	L1 [mm]	L2 [mm]	Rp [inch]	
SK 10	60	385	443	341	335	1	
SK 11	60	385	443	341	335	1	
SK 20	83	403	459	341	335	1 ½	
SK 21	83	403	459	341	335	1 ½	
SK 30	103	417	461	339	335	2	
SK 31	103	417	461	339	335	2	
SK 40	122	429	453	341	335	2 ½	
SK 41	122	429	453	341	335	2 ½	