

## Absperrventil mit Faltenbalgabdichtung/ Globe valve with bellow seal Typ PA-610.235/335/435

### Technische Daten

**Bauform**  
 Wartungsfreies Absperrventil in Durchgangsform  
 Mit Faltenbalgabdichtung  
 Baulänge: F1  
 Metallisch dichtend  
 Innenteile Niro  
 Doppelwandiger Edelstahl-Faltenbalg

Serienmäßig mit Drosselkegel (bis DN 100)  
 Feststellvorrichtung

Lösbare Anzeigevorrichtung

### Specification

**Design**  
 Maintenance free globe valve in straight through form  
 With gland seal  
 Face to face: F1  
 Metal seated  
 Trim: stainless steel  
 Double wall stainless steel bellow seal

Throttling plug as standard (up to DN 100)  
 Lubricating nipple as locking device

Removable position indicator



### PA-610.235

Gehäuse: 1.0619, PN 16  
 Max. 400°C

### PA-610.335

Gehäuse: 1.0619, PN 25  
 Max. 400°C

### PA-610.435

Gehäuse: 1.0619, PN 40  
 Max. 400°C

### PA-610.235

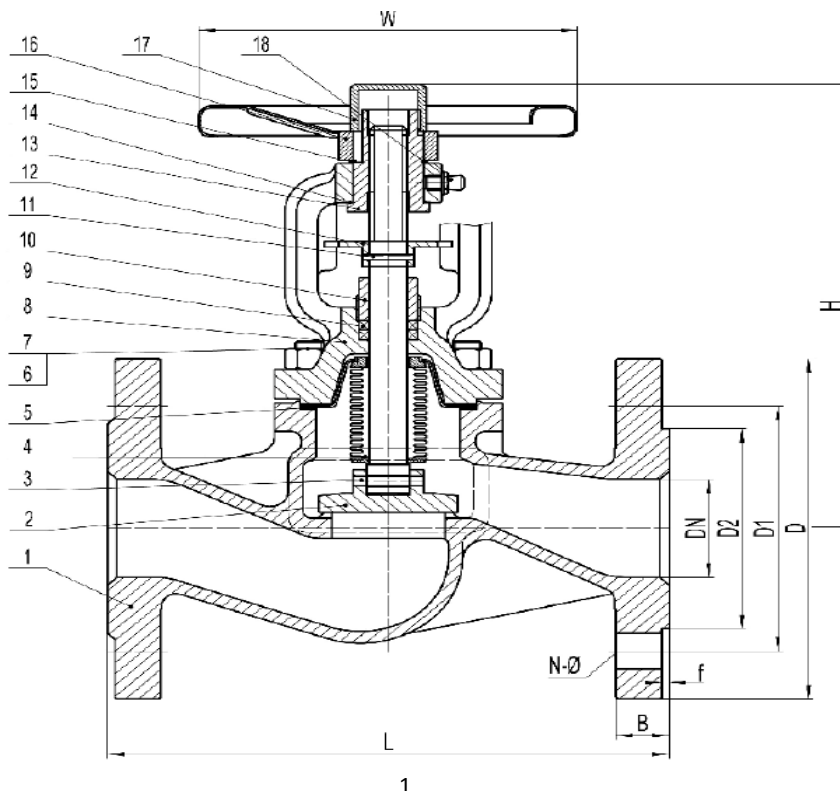
Body: 1.0619, PN 16  
 Max. 400°C

### PA-610.335

Body: 1.0619, PN 25  
 Max. 400°C

### PA-610.435

Body: 1.0619, PN 40  
 Max. 400°C



Connection to pipe with wall thicknes  
 $4\text{mm} < T \leq 22\text{mm}$

**Table3.Material specification-DN15-DN100**

POS	Detail	carbon steel 3EO -10°C till 400°C		Alloy steel 5EO -10°C till 530°C		stainless steel -46°C till 450°C			
1	Body	1.0619(GS-C25)		1.7357(WC6)		1.4308		1.4408	
2	Disc	C22.8		1.7357		F304		F316	
optional	Seat	13Cr	Stellite	17Cr	Stellite	17Cr	stellite	18Cr	stellite
3	Pin	F304		F304		F304		F316	
4	Pin	X20Cr13		X20Cr13		F304		F316	
5	Gasket	SS304+Graphite		SS304+Graphite		SS304+Graphite		SS316+Graphite	
6	Bellows	SS304	SS316L	SS304	SS316L	SS304	SS316L	SS316L	
7	Bolt	A193 B7		1.7709		A193 B8		A193 B8M	
8	Nut	A194 2H		1.7709		A193 8		A193 8M	
9	Bonnet	1.0619(GS-C25)		1.7357(WC6)		CF8(2C1)		CF8M(14E0)	
10	Packing	Graphite		Graphite		Graphite		Graphite	
11	Gland Nut	X20Cr13		X20Cr13		F304		F316	
12	Guide	C22.8		C22.8		F304		F316	
13	Pin	CK25		CK25		F304		F316	
14	Stem nut	Cu alloy		Cu alloy		Cu alloy		Cu alloy	
15	Lock nut	CK22		CK22		SS304		SS304	
16	Wheel	C22.8		C22.8		C22.8		C22.8	
17	circlip	65Mn		65Mn		SS304		SS304	
18	Lubrication gaskets	SS304		SS304		SS304		SS304	

**Table3.Material specification-DN125-DN200**

POS	Detail	carbon steel 3EO -10°C till 400°C		Alloy steel 5EO -10°C till 530°C		stainless steel -46°C till 400°C			
1	Body	1.0619(GS-C25)		1.7357(WC6)		1.4308		1.4408	
2	Disc	A105(C22.8)		F11		F304		F316	
optional	Seat	13Cr	Stellite	17Cr	Stellite	17Cr	stellite	18Cr	stellite
3	Guide sic	F304		F304		F304		F316	
4	Screw	A105(C22.8)		X20Cr13		F304		F316	
5	Bellows	SS304	SS316L	SS304	SS316L	SS304	SS316L	SS316L	
6	Stem	X20Cr13		SS304+Graphite		A182 F304		A182 F316	
7	Gasket	SS304+Graphite		SS304+Graphite		SS304+Graphite		SS316+Graphite	
8	Bolt	A193 B7		1.7709		A193 B8		A193 B8M	
9	Nut	A194 2H		1.7709		A193 8		A193 8M	
10	Bonnet	1.0619(GS-C25)		1.7357(WC6)		CF8(2C1)		CF8M(14E0)	
11	Packing	Graphite		Graphite		Graphite		Graphite	
12	Gland Nut	C.S		C.S		SS304		SS316	
13	Bolt	A193 B7		1.7709		A193 B8		A193 B8M	
14	Guide block	C.S		C.S		SS304		SS316	
15	Stem nut	GGG40.3		GGG40.3		GGG40.3		GGG40.3	
16	Lubrication gaskets	SS304		SS304		SS304		SS304	
17	circlip	65Mn		65Mn		SS304		SS304	
18	Handwheel	C.S		C.S		C.S		C.S	
19	Lock nut	C.S		C.S		C.S		C.S	
20	Nozzle	Cu alloy		Cu alloy		Cu alloy		Cu alloy	

**Table4.Material specification-DN250-DN400**

POS	Detail	carbon steel 3EO -10°C till 400°C		Alloy steel 5EO -10°C till 530°C		stainless steel -46°C till 450°C			
1	Body	1.0619(GS-C25)		1.7357(WC6)		CF8		CF8M	
2	Pin	C.S		C.S		SS304		SS316	
3	Screw	C.S		C.S		SS304		SS316	
4	Guide disc	A105(C22.8)		A105(C22.8)		F304		F316	
5	Disc	A105(C22.8)		A105(C22.8)		F304		F316	
optional	Seat	13Cr	Stellite	17Cr	Stellite	17Cr	stellite	18Cr	stellite
6	Split ring	C.S		C.S		SS304		SS316	
7	Disc screw	A105(C22.8)		A105(C22.8)		F304		F316	
8	Stem	X20Cr13		X20Cr13		F304		F316	
9	Bellows	SS304	SS316	SS304	SS316	SS304	SS316L	SS304	SS316L
10	Gasket	SS304+Graphite		SS304+Graphite		SS304+Graphite		SS316+Graphite	
11	Nut	A193 B7		1.7709		A193 B8		A193 B8M	
12	Bolt	A194 2H		1.7709		A193 8		A193 8M	
13	Bonnet	1.0619(GS-C25)		1.7357(WC6)		CF8		CF8M	
14	Packing	Graphite		Graphite		Graphite		Graphite	
15	Gland Nut	C.S		C.S		SS304		SS316	
16	Bolt	A194 2H		1.7709		A193 8		A193 8M	
17	Guide block	C.S		C.S		SS304		SS316	
18	Bearing	C.S		C.S		C.S		C.S	
19	Stem nut	GGG40.3		GGG40.3		GGG40.3		GGG40.3	
20	Screw	C.S		C.S		SS304		SS316	
21	Impact handwheel	C.S		C.S		C.S		C.S	
22	Lock nut	C.S		C.S		C.S		C.S	
23	Nozzle	Al-Alloy		Al-Alloy		Al-Alloy		Al-Alloy	

**Table 5. Dimension and weight. PN16-PN25/40**  
 Face to face:flanged acc. to EN 558-1 serie 1. Flange acc.to EN1092-1, type B1,  
 Face to face:butt welded acc.to EN12982, serie 1; butt weld ends acc.to EN12627

DN	PN	L	D	D1	D2	b	N-Φd	Weight flanged	Ls	Weight BW-end	ΦW	H <sub>max</sub>	Kv Z=4,4
mm		mm	mm	mm	mm	mm	antxmm	Kg	mm	Kg	mm	Mm	m <sup>3</sup> /h
15	16-25/40	130	95	65	45	16	4x14	4,0	130	3,2	120	180	4,2
20		150	105	75	58	18	4x14	4,6	150	3,4	140	190	7,4
25		160	115	85	68	18	4x14	5,5	160	4,0	140	220	12,0
32		180	140	100	78	18	4x18	7,0	180	5,0	140	220	19,0
40		200	150	110	88	18	4x18	9,0	200	6,5	160	255	30,0
50		230	165	125	102	20	4x18	11,0	230	9,0	160	260	47,0
65	16	290	185	145	122	18	8x18	15,0	290	13,8	180	295	77,0
80		310	200	160	138	20	8x18	19,8	310	17,3	200	330	120,0
100		350	220	180	162	20	8x18	33,2	350	30,6	250	350	188,0
125		400	250	210	188	22	8x18	48,6	400	46,3	250	420	288,0
150		480	285	240	218	22	8x22	67,2	480	63,2	350	455	410,0
200		600	340	295	268	24	12x22	121,5	600	110,5	500	550	725,0
250		730	405	355	320	26	12x26	238,0	730	218,7	500	730	1145,0
300		850	460	410	378	28	12x26	369,0	850	322,6	500	800	1635,0
350		980	520	470	438	30	16x26	575,0	980	547,0	600	960	2225,0
400		1100	580	525	490	32	16x30	800,0	1100	767,0	600	1060	2906,0
65	25/40	290	185	145	122	22	8x18	15,8	290	13,7	180	295	77,0
80		310	200	160	138	24	8x18	21,8	310	19,5	200	330	120,0
100		350	235	190	162	26	8x22	37,5	350	34,2	250	350	188,0
125		400	270	220	188	26	8x26	55,0	400	52,1	250	420	288,0
150		480	300	250	218	28	8x26	78,5	480	72,2	350	455	410,0
200	25	600	360	310	278	30	12x26	135,0	600	119,5	500	550	725,0
250		730	425	370	335	32	12x30	260,0	730	232,0	500	730	1145,0
300		850	485	430	395	34	16x30	388,0	850	342,9	500	800	1635,0
350		980	555	490	450	38	16x33	594,0	980	545,0	600	960	2225,0
400		1100	620	555	505	40	16x36	820,0	1100	780,0	600	1060	2906,0
200	40	600	375	320	285	34	12x30	140,0	600	125,5	500	550	725,0
250		730	450	385	345	38	12x33	294,5	730	258,0	500	730	1145,0
300		850	515	450	410	42	16x33	409,0	850	372,0	500	800	1635,0
350		980	580	510	465	46	16x36	650,0	980	623,0	600	960	2225,0
400		1100	660	585	535	50	16x39	845,0	1100	800,0	600	1060	2906,0