

Actuated Valves

Type 01313 - Actuated Globe Valve



Cryogenic-Globe Valves with Pneumatic Actuator, PN50

Bronze body and stainless steel topwork (internal parts bronze)

Actuator - air opens, spring closes or contrary

"live loaded" gland packing

"cleaned and degreased for oxygen service" - the actuator is not cleaned and degreased for oxygen

Part No. 01313.X.1017

Complete with stainless steel pipes acc. to DIN EN 10216-5 or ASTM A312

Available accessories:

- Solenoid valve
- Limit switch
- Electropneumatic positioner etc.

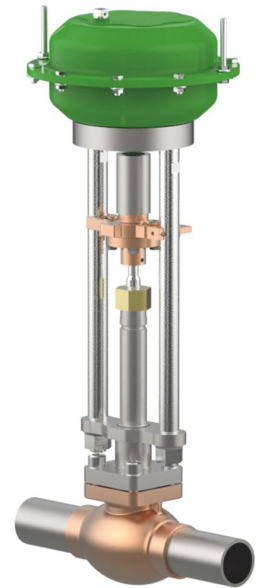
Available options - on request only:

- Actuator "cleaned and degreased for oxygen service"
- Electric actuator
- Bellow sealed option
- Valve with control disc (tapered design)

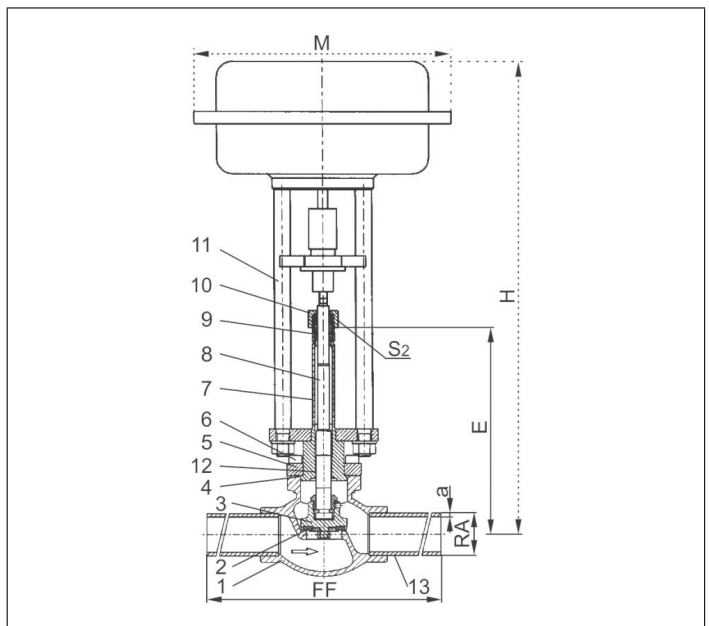
Applications:

Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.

Working temperature: -196°C / -321°F (77K) up to +120°C / +248°F (393K)



Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	PTFE / Carbon filled (25%)	
3 Disc	CW614N	B 283 UNS C38500
4 Bonnet gasket	PTFE	
5 Headpiece	1.4301	A 276 Grade 304
6 Bolts	1.4301/A2	A 194 B8
7 Elongation tube	1.4541	A 213 TP 321
8 Stem	1.4301	A 276 Grade 304
9 Gland packing	Graphite / PTFE	
10 Gland nut	CW614N	B 283 UNS C38500
11 Pillars	1.4404	A 276 Grade 316L
12 Bush	CW452K	B 103 UNS C51900
13 Stainless steel stubs	1.4306	A 312 TP304L



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 01313 - Standard design	Technical data									
	DN	10	10	15	20	25	32	40	50	
Nominal size	DN	10	10	15	20	25	32	40	50	
Dimension code	.X.	1012	1017	1521	2027	2533	3242	4048	5060	
Face-to-face dimension	FF	210	210	235	235	265	265	290	310	
Height	H	dependent on actuator								
Length	E	195	195	195	200	200	230	230	235	
Outside pipe-Ø ISO 1127	RA	12.0	17.2	21.3	26.9	33.7	42.4	48.3	60.3	
Wall thickness pipe ISO 1127	a	1.0	2.3	2.6	2.9	3.2	3.2	3.6	3.6	
Outside pipe-Ø ASTM A312	RA	-	17.15	21.34	26.67	33.4	42.16	48.26	60.33	
Wall thickness pipe ASTM A312	a	dimensions acc. to S10 or S40								
Actuator-Ø	M	dependent on actuator								
Wrench size across flats	S ₂	30	30	30	30	30	36	36	36	
Weight w/o actuator	ca. kg	1.75	1.85	2.6	3.0	3.5	4.7	6.7	9.8	
Kvs-Value	m ³ /h	1.6	2.2	4.3	6.7	11.5	12.1	22.6	37.1	
Cv-Value	gal/min	1.9	2.6	5.0	7.8	13.4	14.1	26.3	43.2	
Stroke	mm	10	10	10	7	9	9	11	15	

Dimensions in mm.