

# Actuated Valves and Actuators

## Type 01353 - Actuated Trailervalue



### Cryogenic-Globe Valves with Pneumatic Actuator, PN50 (DN65=PN45)

air pressure for operation 6,0 bar g (maximum 10.0 bar g), push-in connection 8mm

Stainless steel body and topwork,

Actuator - air opens, spring closes

"live loaded" gland packing

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

**Part No. 01353.X.TO\*\***

\* Butt weld connection for stainless steel pipes acc. to ISO 1127 or ASTM A312

**Part No. 01353.X.TO\*4**

Socket weld connection for stainless steel pipes acc. to ISO 1127 or ASTM A312

Available options - on request only:

- Welded stainless steel stubs acc. to ISO 1127 or ASTM A312 - length FF + 200mm
- Further pipe wall thicknesses
- Weather protection hood

### Applications:

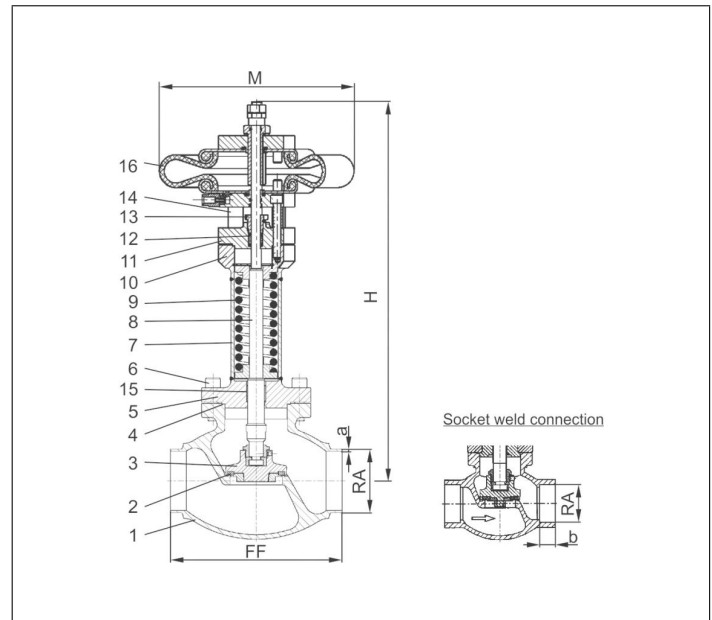
Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.

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

Ambient temperature actuator: -50°C / -58°F (223K) up to +70°C / +158°F (343K)



Materials	DIN EN	ASTM
1 Body	1.4308	A 351 CF8
2 Valve seal up to DN50	PTFE / Carbon filled (25%)	
2a Valve seal from DN65	PTFE	
3 Disc	1.4301	A 276 Grade 304
4 Bonnet gasket	PTFE	
5 Headpiece	1.4301	A 276 Grade 304
6 Bolts	1.4301/A2	A 194 B8
7 Elongation tube	1.4306	A 312 TP 304L
8 Stem	1.4301	A 276 Grade 304
9 Spring	1.4571	A 313 Grade 316Ti
10 Flange	1.4301	A 276 Grade 304
11 Headpiece	1.4301	A 276 Grade 304
12 Gland packing	Graphite / PTFE / MICA	
13 Gland nut	1.4571	A 276 Grade 316Ti
14 Pillars	1.4301	A 276 Grade 304
15 Bush	CW452K	B 159 UNS C51900
16 Actuator	Rubber	



Type 01353 - Standard design	Technical data								
	DN	20	20	25	40	40	50	65	80
Nominal size	.X.	2021	2026	2533	4042	4048	5060	657x	8088
Dimension code	FF	100	100	115	130	130	155	205	245
Face-to-face dimension	H	443	443	444	441	441	420	448	467
Height	RA	21.3	26.9	33.7	42.4	48.3	60.3	76.1	88.9
Outside pipe-Ø ISO 1127	a	2.0	2.0	2.0	2.0	2.0	2.0	2.9	3.2
Wall thickness pipe ISO 1127	RA	21.34	26.67	33.40	42.16	48.26	60.33	73.03	88.90
Outside pipe-Ø ASTM A312	dimensions acc. to S10 or S40								
Wall thickness pipe ASTM A312	b	10	10	13	13	13	16	16	16
Socket depth	M	229	229	229	229	229	229	229	229
Actuator-Ø	ca. kg	7.2	7.2	9.1	10.5	10.5	14.5	17.4	22.5
Weight	m <sup>3</sup> /h	4.3	4.3	11.5	22.6	22.6	37.1	71.1	104.0
*Kvs-Value	gal/min	5.0	5.0	13.4	23.9	26.3	43.2	82.9	121.3
*Cv-Value	mm	10	10	14	14	14	14	22	25
Stroke	bar	50	50	50	16	16	10	3	4
Δ P max	bar	-	-	-	31	31	18	10	-
Δ P max with special spring									

Dimensions in mm. \* These figures refer to measurements for the flow direction.