Globe Valves

Type 01C07 - Globe Valve

High-Pressure Globe Valve, stainless steel

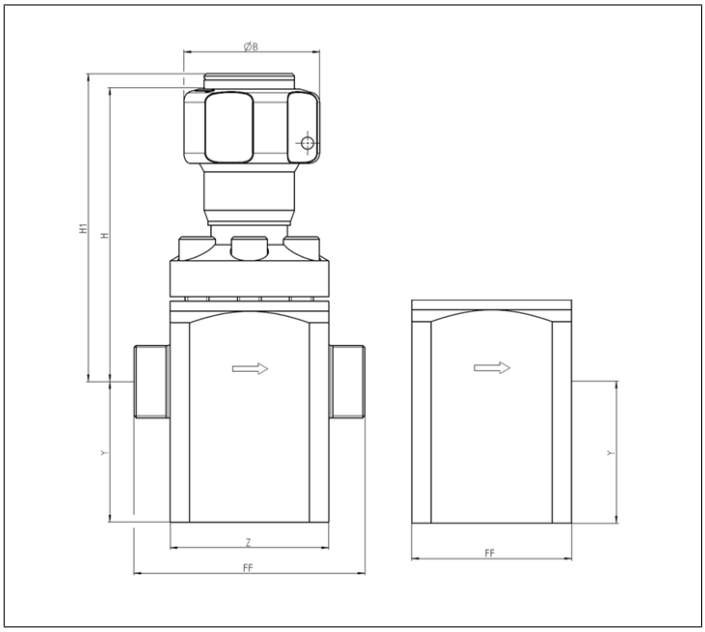
Unidirectional globe valve, allowing flow in the reverse direction for applications such as MEGC filling
Tested acc. to EN ISO 10297
Approved acc. to TPED and TPER
Working pressure (p_w) 500 bar at 15°C (288K)
Materials acc. to EN ISO 11114
Seals tested for resistance to explosive decompression
Additional material and functional testing with hydrogen
Cleaned acc. to ISO 23208
Mounting holes on the bottom of the body: bolt pattern □50 / M10×18 / 50 Nm
Cone connection acc. to ISO 8434-1
Flange connection manufacturer specific
Other connection types – on request only



Available accessories:
· Connection kits (welding cone and flange)

Applications:
Approved for hydrogen (UN 1049), helium (UN 1046), nitrogen (UN 1066)
Working temperature: -40°C / -40°F (233K) bis +65° / 149°F (338K)

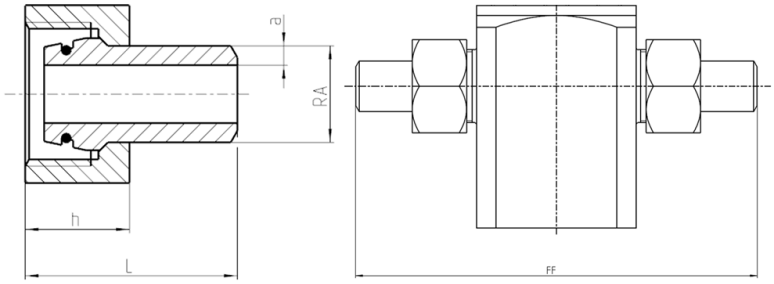
Materials		DIN EN	ASTM
1	Body	1.4404	A 479 316L
2	Top work	1.4571	A 479 316Ti
3	Bonnet	1.4404	A 479 316L
4	Stem	1.4404	A 479 316L
5	Disc	1.4404	A 479 316L
6	Seal	Vespel, LTPU, PE	
7	Handwheel	CC493K	B 505 C93200
8	Bolt	1.4301 / A2-70	A 320 B8



Type 01C07	Technical Data		
Part No.		**01C07.A008.000001**	**01C07.A008.000002**
Connection		ISO 8434-1 - S25	Flange
Nominal size	DN	15	15
Face-to-face dim.	FF [mm]	115	79
Length	Z [mm]	79	79
Hight (open)	H1 [mm]	154	154
Hight (closed)	H [mm]	147	147
Handwheel Ø	B [mm]	70	70
Kvs - value	[m^3/h]	3.0 / 3.2	3.0 / 3.2
Cv - value	[gal/min]	3.5 / 3.7	3.5 / 3.7
Weight	[kg]	7.37	7.02

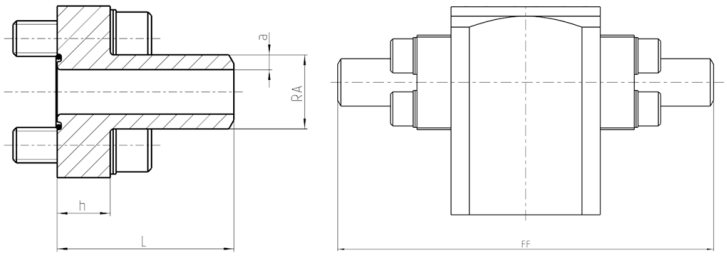
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Connection kits with butt weld ends



Connection kit - welding cone
· Acc. to ISO 8434-1
· 1x Union nut 1.4571
· 1x Welding cone 1.4571
· 1x O-ring LTPU (tested for hydrogen compatibility)

Connection	Height (h) [mm]	Length (L) [mm]	Outer pipe-Ø (RA) [mm]	Wall thickness pipe (a) [mm]	Bevel [°]	Face-to-face dim. (FF) [mm]	Working pressure [bar]	Weight [kg]	Part No.
S25	27	55	25	5	30	199	600	0.35	66291.0001.0767
S25	27	57	20	3	30	203	450	0.33	66291.0002.0767
S25	27	57	20	3	90	203	450	0.33	66291.0003.0767
S25	27	57	16	2.5	37	203	450	0.33	66291.0004.0767



Connection kit - flange
· Flange connection 36x28 - M12
· 1x Flange 1.4571
· 4x Bolts A2-70
· 4x Wedge lock washer 1.4404
· 1x O-ring LTPU (tested for hydrogen compatibility)

Connection	Height (h) [mm]	Length (L) [mm]	Outer pipe-Ø (RA) [mm]	Wall thickness pipe (a) [mm]	Bevel [°]	Face-to-face dim. (FF) [mm]	Working pressure [bar]	Weight [kg]	Part No.
Flange	18	60	25	5	30	199	600	0.63	66153.0001.0767