

# Fire Safe Valves

## Type 03641 - Globe Valve



### Cryogenic-Globe and Globe/Check Valves, PN40

“Fire safe” type test approval acc. to EN ISO 10497

Stainless steel body and topwork,  
 “live loaded” gland packing  
 “cleaned and degreased for oxygen service”

- Part No. 03641.X.0012 (H = 270mm)
  - Part No. 03641.X.0022 (H = 370mm)
  - Part No. 03641.X.5012 (H = 270mm) Globe/Check Valve
  - Part No. 03641.X.5022 (H = 370mm) Globe/Check Valve
- Flanged connection acc. to DIN EN 1092-1 PN40

Available options - on request only:

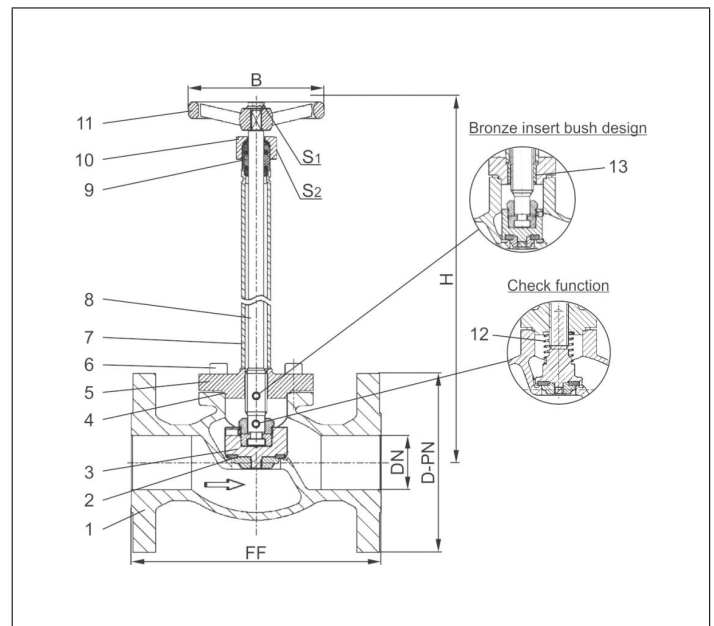
- Extension H up to 900mm
- Valve with control disc (tapered design)



### 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	1.4308	A 351 CF8
2 Valve seal	PTFE / Carbon filled (25%)	
3 Disc	1.4301	A 276 Grade 304
4 Bonnet gasket	Graphite	
5 Headpiece	1.4301 / 1.4308	A 276 Grade 304 / A 351 CF8
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 / MICA	
10 Gland nut	1.4305	A 276 Grade 303
11 Handwheel	1.4409	A 351 CF3M
12 Spring	1.4310	A 313 Grade 301
13 Bush	CW452K	B 159 UNS C51900



Type 03641 - Standard design	Technical data									
Nominal size	DN	15	20	25	40	50	65	80	100	150
Dimension code - Flange EN 1092-1 PN40	.X.	0150	0200	0250	0400	0500	0650	0800	1000	1500
Flange-Ø	D-PN	95	105	115	150	165	185	200	235	300
Face-to-face dimension	FF	140	150	160	200	230	290	310	350	550
Height	H	270 mm or 370 mm							370	420
Handwheel-Ø	B	100	100	100	125	125	200	250	315	360
Wrench size across flats	S <sub>1</sub>	7	7	7	10	10	10	10	12	15
Wrench size across flats	S <sub>2</sub>	30	30	30	36	36	36	36	41	41
Weight	ca. kg	3.0	3.5	5.0	9.0	13.0	21.0	28.0	42.0	83.0
Kvs-Value	m <sup>3</sup> /h	4.3	6.7	11.5	22.6	37.1	71.1	104.0	170.0	350.0
Cv-Value	gal/min	5.0	7.8	13.4	26.3	43.2	82.9	121.3	198.3	408.4

Dimensions in mm. Compliance of tightness requirements acc. to EN 1626 for DN150 up to 20 bar differential pressure. In the range of >20-40 bar, 350-700ml per second (1 bar, 20°C [68°F]) are reached.