

CRYOGENIC GATE VALVE TYPE 01311 WITH EXTENDED SPINDLE AND BRAZED STAINLESS STEEL ENDS

Material bronze CC491K
Pressure PN 50

TECHNICAL CHARACTERISTICS

CRYOGENIC GATE VALVE TYPE 01311, PN 50

- Flanged top;
- Bronze body and top;
- Prestressed gland packing;
- Degreased for oxygen service

Product no. 01311.X.0017 (H=270mm)

Product no. 01311X0027 (H=370mm)

Product No. 01311.X.5017 (H=270mm) with return function

Product No. 01311.X.5027 (H=370mm) with return function

Inlet and outlet with brazed stainless steel pipe according to DIN EN 10216-5 or ASTM A312

ANNEX

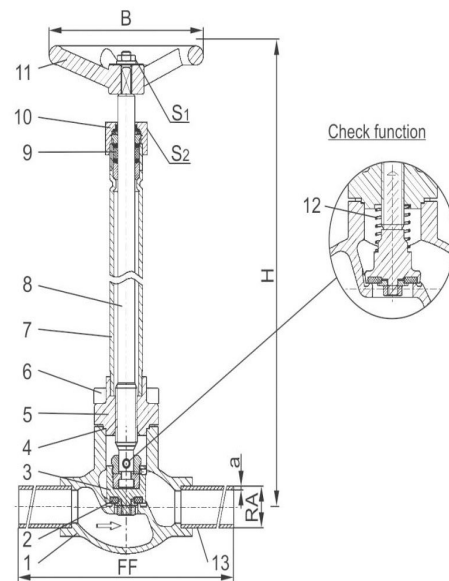
With approval for generator gases, steam and deep-cooled liquefied gases, LNG.

Permissible operating temperatures: -196°C / -321°F (77K) to +120°C / +248°F (393K)

Non-standard versions available – only upon request:

- extended spindles with dimensions up to 900 mm
- version with control valve (threaded connection)
- different thickness of the connection pipe

Dimensions: DN 10 - 50



**CRYOGENIC GATE VALVE TYPE 01311 WITH EXTENDED
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No.	Materials	DIN,EN	ASTM		
1	Housing	SS491K	B62 UNS C83600		
2	Gasket	Teflon PTFE/ Electrocarbon (25%)			
3	Bowling	brass CW612N	B283 UNS C37700		
4	Lid seal	gasket Teflon PTFE			
5	Upper flange	bronze CC493K	B505 UNS C93200		
6	Bolts upper part	stainless steel 1.4301/A2	A 194 B8		
7	Extension tube	stainless steel 1.4541	A 213 TP 321		
8	Spindle	1.4301	A276 Grade 304		
9	Stuffing box	graphite / Teflon PTFE			
10	Oil seal	brass CW612N	B283 UNS C37700		
11	Flywheel	Al - alloy			
12	Spring	CW452K	B103 UNS C51900		
13	Stainless steel pipe	stainless steel 1.4306	A312 TP304L		

SPECIFICATION	
Type 01311	cryogenic globe valve, PN 50
Connection ends	stainless steel pipes for welding
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	butt weld
Drive	multi-turn
Working temp. [°C]	-196°C to +120°C
Recommended temp. [°C]	-60°C to +120°C

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DN	Size designation (.X.)	Construction length (FF)	Elongation (height) (H)	Pipe outer diameter- Ø ISO 1127 (RA)	Pipe wall thickness ISO 1127 (a)	Pipe outer diameter- Ø ASTM A312 (RA)	Pipe wall thickness ASTM A312 (a)	Flywheel diameter (Ø B)	Key distance (S1)	Key distance (S2)	W
10	1012	210	270mm or 370mm	12.0	1.0	-	S10 or S40 dimensions	100	7	30	1
10	1017	210	270mm or 370mm	17.2	2.3	17.15	S10 or S40 dimensions	100	7	30	1
15	1521	235	270mm or 370mm	21.3	2.6	21.34	S10 or S40 dimensions	100	7	30	2
20	2027	235	270mm or 370mm	26.9	2.9	26.67	S10 or S40 dimensions	100	7	30	2
25	2533	265	270mm or 370mm	33.7	3.2	33.4	S10 or S40 dimensions	100	7	30	2
32	3242	265	270mm or 370mm	42.4	3.2	42.16	S10 or S40 dimensions	125	10	36	3
40	4048	290	270mm or 370mm	48.3	3.6	48.26	S10 or S40 dimensions	125	10	36	5
50	5060	310	270mm or 370mm	60.3	3.6	60.33	S10 or S40 dimensions	125	10	36	7