

CRYOGENIC GATE VALVE TYPE 01311 WITH EXTENDED SPINDLE AND THROUGHING PLUG ON WELDED JOINT

Material
Pressure

bronze CC491K
PN 50

TECHNICAL DESCRIPTION

Type 01311 – Valve

Cryogenic shut-off and check valves, PN50

- bronze body and cover
- pre-stressed gland
- cleaned and degreased for oxygen operation
- Art. No. 01311.X.0010 (H=270mm) valves · Art. No. 01311.X.0020 (H=370mm) valves · Art. No. 01311.X.5010 (H=270mm) check valves · Art. No. 01311.X.5020 (H=370mm) check valves
- Welding sockets for connecting copper pipes according to DIN EN 12449 and ASTM B88.

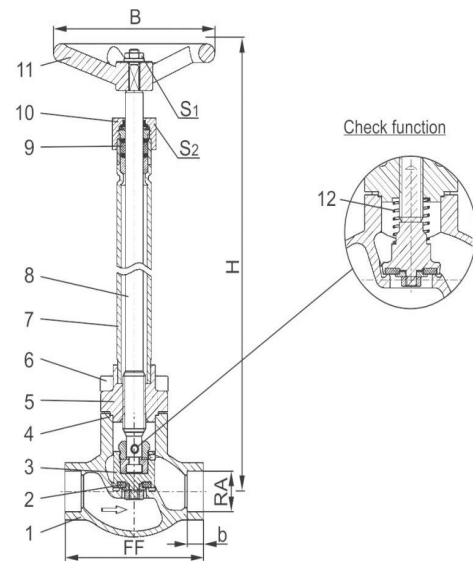
WORKING FLUID / MEDIUM

Approved for gases, vapors and liquefied cryogenic gases and LNG.

OPTIONS

- welded sleeves for stainless steel ends according to ISO 1127 · extension H up to 900mm · control valve (with threaded connection)

Dimensions: DN 10 – 50



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No.	Materials	DIN EN	ASTM
1	Body	bronze CC491K	B62 UNS C83600
2	Saddle	Teflon PTFE / with graphite filling (25%)	
3	Valve	brass CW614N	B283 UNS C38500
4	Lid gasket	Teflon PTFE	
5	Upper part	CC493K	B505 UNS C93200
6	Bolts	1.4301/A2 A 194 B8	
7	Extension cord	1.4541	A213 TP 321
8	Spindle	1.4301	A276 Grade 304
9	Salnikov condensed.	graphite / Teflon PTFE	
10	Packing nut	brass CW614N	B283 UNS C38500
11	Flywheel	aluminum alloy	
12	Spring	CW452K	B159 UNS C51900

SPECIFICATION

Type 01311	Cryogenic valve PN 50
Connection ends	welded joints
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	on a welded sleeve
Drive	manually
Working temp. [°C]	-196°C to +120°C
Recommended temp. [°C]	-60°C to +120°C

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DN	Size code (.X.)	Construction length (FF)	Height (H)	Outer pipe diameter Ø (RA)	Depth of the socket (b)	Flywheel Ø (B)	Hexagon size (St)	Hexagon size (S2)	Weight (approx. kg)	Kvs value (m³/h)	Cv-value (gal/min)
10	X=DNRA	60	270mm or 370mm	according to order	6	100	7	30	1.4	1.6	1.9
15	X=DNRA	85	270mm or 370mm	according to order	6	100	7	30	1.7	4.3	5.0
20	X=DNRA	85	270mm or 370mm	according to order	8	100	7	30	2.1	6.7	7.8
25	X=DNRA	115	270mm or 370mm	according to order	8	100	7	30	2.4	11.5	13.4
32	X=DNRA	115	270mm or 370mm	according to order	10	125	10	36	3.3	12.1	14.1
40	X=DNRA	140	270mm or 370mm	according to order	13	125	10	36	4.7	22.6	26.3
50	X=DNRA	160	270mm or 370mm	according to order	20	125	10	36	7.2	37.1	43.2