

CRYOGENIC GATE VALVE TYPE 01311 WITH EXTENDED SPINDLE AND THROUGHTING POLE WITH BRAZE COPPER ENDS

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

Cryogenic shut-off and check valves, PN50

- bronze body and cover
- pre-stressed gland
- cleaned and degreased for oxygen operation
- Art. No. 01311.X.0018 (H=270mm) Valves · Art. No. 01311.X.0028 (H=370mm) Valves · Art. No. 01311.X.5018 (H=270mm) Check valves · Art. No. 01311.X.5028 (H=370mm) Check valves

Welding sockets for connecting copper pipes according to DIN EN 12449 and ASTM B88

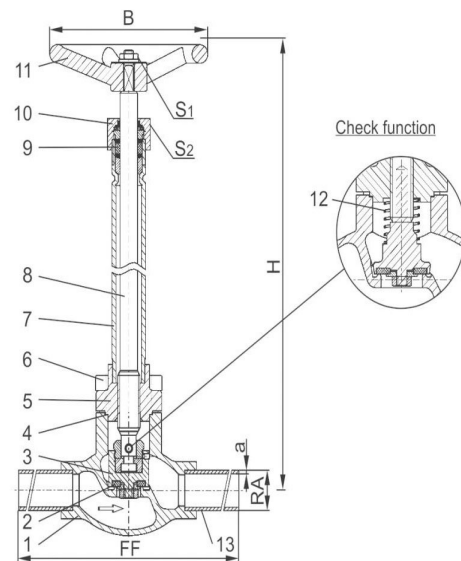
WORKING FLUID / MEDIUM

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

OPTIONS

- soldered copper ends according to ISO 1127 · extension H up to 900 mm · control valve (with threaded connection)

Dimensions: DN 10 - 50



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ENDS

No.	Materials	DIN EN	ASTM	No.	Materials	DIN EN	ASTM
1	Body	bronze CC491K	B62 UNS C83600	1	Body	bronze CC491K	B62 UNS C83600
2	Saddle	Teflon PTFE / with graphite filling (25%)		2	Saddle	Teflon PTFE / with graphite filling (25%)	
3	Valve	brass CW614N	B283 UNS C38500	3	Valve	brass CW614N	B283 UNS C38500
4	Lid gasket	Teflon PTFE		4	Lid gasket	Teflon PTFE	
5	Upper part	CC493K	B505 UNS C93200	5	Upper part	CC493K	B505 UNS C93200
6	Bolts	1.4301/A2 A 194 B8		6	Bolts	1.4301/A2 A 194 B8	
7	Extension cord	1.4541	A213 TP 321	7	Extension cord	1.4541	A213 TP 321
8	Spindle	1.4301	A276 Grade 304	8	Spindle	1.4301	A276 Grade 304
9	Salnikov condensed.	graphite / Teflon PTFE		9	Salnikov condensed.	graphite / Teflon PTFE	
10	Packing nut	brass CW614N	B283 UNS C38500	10	Packing nut	brass CW614N	B283 UNS C38500
11	Flywheel	aluminum alloy		11	Flywheel	aluminum alloy	
12	Spring	CW452K	B159 UNS C51900	12	Spring	CW452K	B159 UNS C51900
13	Soldered copper ends	CW024A	B 152 UNS C12200	13	Soldered copper ends	CW024A	B 152 UNS C12200

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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