

CRYOGENIC GATE VALVE TYPE 02411 WITH EXTENDED SPINDLE OF JOINT WITH STAINLESS STEEL BRADING FITTINGS

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

Type 02411 – Valve

Cryogenic shut-off and check valves, PN50

- bronze body and cover
- pre-stressed gland
- cleaned and degreased for oxygen operation

- Art.No. 02411.X.0017 (H=270mm) Valves
- Art.No. 02411.X.0027 (H=370mm) Valves

- Art. No. 02411.X.5017 (H=270mm) Check valves
- Art. No. 02411.X.5027 (H=370mm) Check valves

With union nut and brazed copper ends for welding according to DIN EN 12449 and ASTM B88

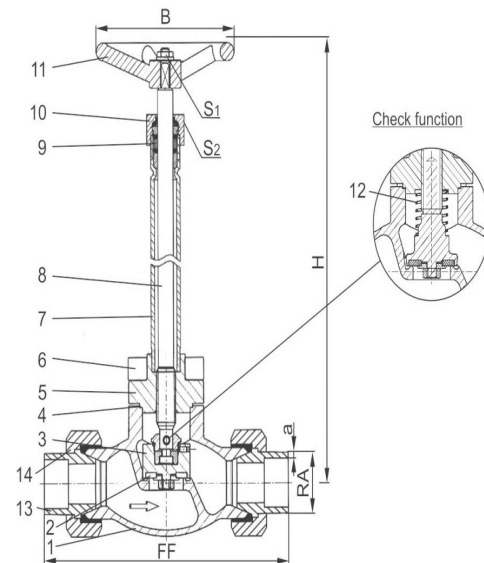
WORKING FLUID / MEDIUM

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

OPTIONS

- extension H up to 900mm · control valve (with threaded connection)

Dimensions: DN 10 – 50



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FITTINGS

No.	Materials	DIN EN	ASTM
1	Body	bronze CC491K	B62 UNS C83600
2	Saddle	Teflon PTFE / Carbon filled (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
13	Soldered bronze ends	CC493K	B505 UNS C93200
14	Holland nut	CC493K	B505 UNS C93200

SPECIFICATION

Type 02411	Cryogenic globe valve PN 50
Connection ends	threaded for union connection
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	through a Dutch connection
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 code (.X.)	Construction length (FF)	Height (H)	Outer pipe Ø (RA)	Depth of socket (b)	Flywheel Ø (B)	Hex size (S1)	Hex size (S2)	Weight (kg)	Kvs (m³/h)	Cv (gal/min)
10	1012	98	270 mm or 370 mm	12.0	11	100	7	30	1.5	1.6	1.9
10	1015	98	270 mm or 370 mm	15.0	11	100	7	30	1.5	2.2	2.6
20	1518	132	270 mm or 370 mm	18.0	14	100	7	30	2.8	6.0	7.1
20	2022	132	270 mm or 370 mm	22.0	14	100	7	30	2.8	6.7	7.8
32	2528	171	270 mm or 370 mm	28.0	17	125	10	36	4.5	11.5	13.4
32	3235	171	270 mm or 370 mm	35.0	17	125	10	36	4.5	12.1	14.1
40	4042	230	270 mm or 370 mm	42.0	17	125	10	36	6.8	22.6	26.3
50	5054	230	270 mm or 370 mm	54.0	17	125	10	36	10.0	37.1	43.2