

CRYOGENIC GATE VALVE TYPE 02411 WITH EXTENDED SPINDLE ON FLANGE CONNECTION

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 · thread for union connection

Art.No. 02411.X.0011 (H=270mm)valve

Art.No. 02411.X.0021 (H=370mm)valve

Art. No. 02411.X.5011 (H=270mm) check valves

Art. No. 02411.X.5021 (H=370mm) check valves

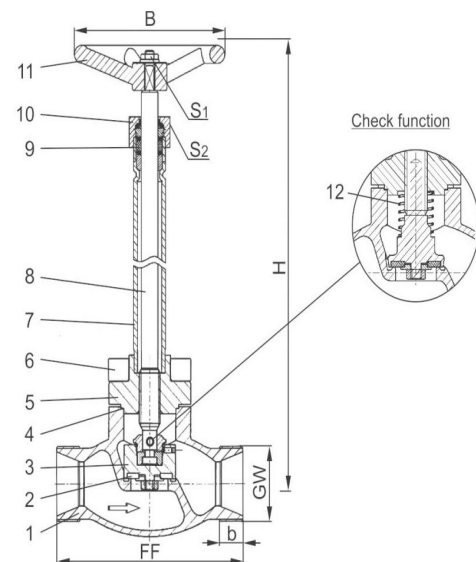
WORKING FLUID / MEDIUM

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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No.	Materials	DIN EN	ASTM																						
1	Body	bronze CC491K	B 62 UNSC83600	<table><tr><th colspan="2">SPECIFICATION</th></tr><tr><td>Type 02411</td><td>cryogenic valve PN 50</td></tr><tr><td>Connection ends</td><td>on a weld</td></tr><tr><td>Construction length</td><td>factory standard</td></tr><tr><td>Attaching the lid</td><td>flanged</td></tr><tr><td>Execution</td><td>straight</td></tr><tr><td>Joining</td><td>on a weld</td></tr><tr><td>Drive</td><td>independently</td></tr><tr><td>Working temp. [°C]</td><td>-196°C to +120°C</td></tr><tr><td>Recommended temp. [°C]</td><td>-60°C to +120°C</td></tr></table>		SPECIFICATION		Type 02411	cryogenic valve PN 50	Connection ends	on a weld	Construction length	factory standard	Attaching the lid	flanged	Execution	straight	Joining	on a weld	Drive	independently	Working temp. [°C]	-196°C to +120°C	Recommended temp. [°C]	-60°C to +120°C
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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 A194B8																							
7	Extension cord	1.4541	A 213 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																						

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DN	Size code (.X.)	Construction length (FF)	Height (H)	Thread of the collar (GW)	Thread length (b)	Flywheel Ø (B)	Hex size (S1)	Hex size (S2)	Weight (kg)	Kvs (m³/h)	Cv (gal/min)
10	0100	60	270 mm or 370 mm	M26x1.5	10	100	7	30	1.4	2.2	2.6
20	0200	85	270 mm or 370 mm	M40x2.0	11	100	7	30	2.1	6.7	7.8
32	0320	115	270 mm or 370 mm	M55x2.0	14	125	10	36	3.3	12.1	14.1
40	0400	140	270 mm or 370 mm	M65x2.0	17	125	10	36	4.7	22.6	26.3
50	0500	160	270 mm or 370 mm	M78x2.0	20	125	10	36	7.2	37.1	43.2