

CRYOGENIC GATE VALVE TYPE 02401 ON HOLLAND CONNECTOR WITH BRASS SOLDERING FITTINGS

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

Type 02401 – Valve
Cryogenic shut-off and check valves, PN50

- bronze body and cover
- pre-stressed gland
- cleaned and degreased for oxygen operation
- Art. No. 02401.X.0008 Valves
- Art. No. 02401.X.5008 Check valves

With union connections and soldered copper ends for welding according to DIN EN 12449 and ASTM B88

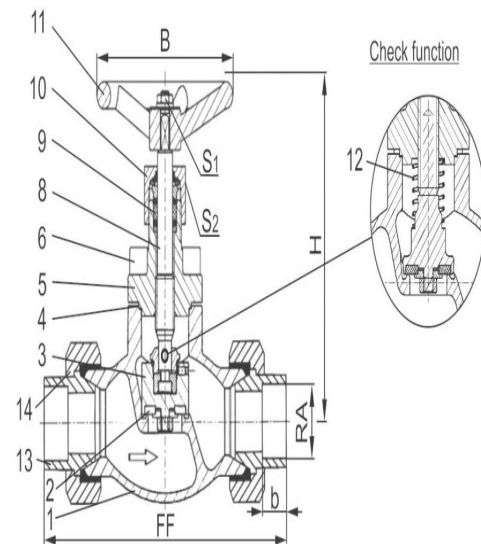
WORKING FLUID / MEDIUM

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

OPTIONS

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	<table><tr><th colspan="2">SPECIFICATION</th></tr><tr><td>Type 02401</td><td>cryogenic globe valve PN 50</td></tr><tr><td>Connection ends</td><td>threaded for union connection</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>through a Dutch connection</td></tr><tr><td>Drive</td><td>multi-turn</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 02401	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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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																							
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																						

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DN	Thread size (GW)	Size code (.X.)	Construction length (FF)	Height (H)	Flywheel Ø (B)	Hexagon size (S1)	Hexagon size (S2)	Weight (kg)	Kvs value (m³/h)	Cv value (gal/min)
10	1/4	0200	70	270mm to 370mm	100	7	30	1.4	1.6	1.9
10	3/8	0300	70	270mm to 370mm	100	7	30	1.4	2.2	2.6
15	1/2	0400	85	270mm to 370mm	100	7	30	1.7	4.3	5.0
20	3/4	0600	100	270mm to 370mm	100	7	30	2.1	6.7	7.8
25	1	1000	115	270mm to 370mm	100	7	30	2.4	11.5	13.4
40	1-1/4	1200	130	270mm to 370mm	125	10	36	4.7	20.6	23.9
40	1-1/2	1400	130	270mm to 370mm	125	10	36	4.7	22.6	26.3
50	2	2000	155	270mm to 370mm	125	10	36	7.2	37.1	43.2