

**CRYOGENIC GATE VALVE TYPE 02401 ON HOLLAND
CONNECTOR WITH STAINLESS STEEL 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.0007 Valves · Art. No. 02401.X.5007 Check valves

With union nut and stainless steel butt weld ends according to ISO 1127 and ASTM A312

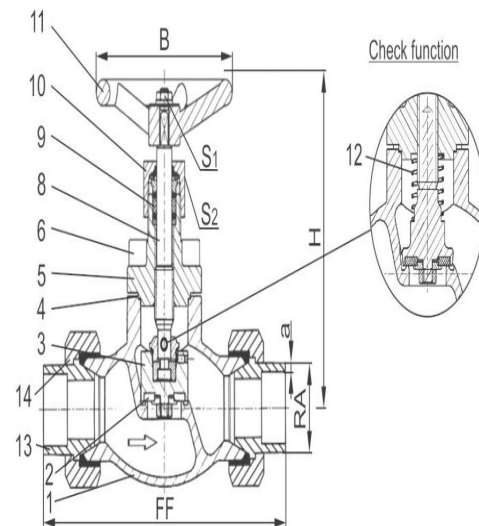
WORKING FLUID / MEDIUM

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

OPTIONS

- regulating valve (with threaded connection) · wall thickness of extension pipes

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	Brazed stainless ends	1.4301	A276 Grade 304																						
14	Holland nut	CC493K	B505 UNS C93200																						

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DN	Size code (X.)	Construction length (FF)	Height (H)	Outer Ø (RA)	Socket depth (b)	Flywheel Ø (B)	Hex size (S1)	Hex size (S2)	Weight (kg)	Kvs (m³/h)	Cv (gal/min)
10	1012	98	140	12.0	11	100	7	30	1.2	1.6	1.9
10	1015	98	140	15.0	11	100	7	30	1.2	2.2	2.6
20	1518	132	140	18.0	14	100	7	30	2.4	6.0	7.1
20	2022	132	140	22.0	14	100	7	30	2.4	6.7	7.8
32	2528	171	170	28.0	17	125	10	36	4.0	11.5	13.4
32	3235	171	170	35.0	17	125	10	36	4.0	12.1	14.1
40	4042	230	175	42.0	17	125	10	36	6.3	22.6	26.3
50	5054	230	200	54.0	17	125	10	36	9.5	37.1	43.2