

CRYOGENIC GATE VALVE TYPE 02401 WITH FLANGE CONNECTION

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

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

Bronze body and lid

- Pre-stressed gland
- Cleaned and degreased when working with oxygen

Art. No. 02401.X.0001 Art. No. 02401.X.5001
Valve/Return valves Male thread for union connection

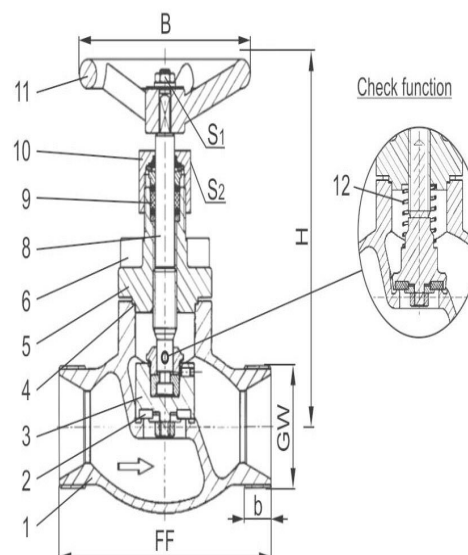
WORKING FLUID / MEDIUM

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

OPTIONS

Control valve (with threaded connection)

Dimensions: DN 10 - 50



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	
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

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

CRYOGENIC GATE VALVE TYPE 02401 WITH FLANGE CONNECTION

Material bronze CC491K
Pressure PN 50

DN	Size code (.X.)	Construction length (FF)	Height (H)	Thread of 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	140	M26x1.5	10	100	7	30	1.0	2.2	2.6
20	0200	85	140	M40x2.0	11	100	7	30	1.7	6.7	7.8
32	0320	115	170	M55x2.0	14	125	10	36	2.8	12.1	14.1
40	0400	140	175	M65x2.0	17	125	10	36	4.2	22.6	26.3
50	0500	160	200	M78x2.0	20	125	10	36	6.7	37.1	43.2