

CRYOGENIC GATE VALVE TYPE 01305 WITH INTERNAL THREAD

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

CRYOGENIC GATE VALVE, PN 50

- Flanged top;
- Bronze body and top;
- Tensioned gland packing;
- Degreased for oxygen service.

Product No. 01305X0001

Product No. 01305.X.5001 with return function

- Connection of internal thread (G) according to ISO 7-Rp

Product No. 01305X0006

Product No. 01305.X.5006 with return function

- Connection of internal thread NPTF according to ANSI B 1.20.1

Offering non-standard designs – only upon request:

- Connection with internal thread (R) according to ISO 7-Rc
- Version with throttling plug

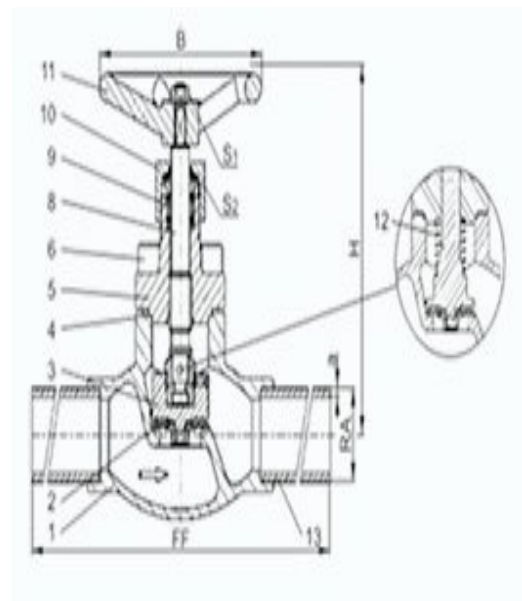
ANNEX

Approved for generator gases and cryogenic liquefied gases such as oxygen, nitrogen, krypton, carbon dioxide, argon, nitrous oxide, trifluoromethane, carbon monoxide, methane, ethane and ethylene.

Permissible operating temperatures: -196°C (77K) to +120°C (393K).

Recommended operating temperatures: -60°C (213K) to +120°C (393K)

Dimensions: G1/4" - 2"



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1	Housing	SS491K	SPECIFICATION	
2	Gasket	Teflon Teflon PTFE/ Elektrocarbon (25%)	Type	cryogenic passage valves, PN 50
3	Bowling	brass CW612N	Connection ends	internal thread (G) according to ISO 7-Rp
4	Upper part gasket	Teflon PTFE Foil	Construction length	JIS F7425 (JIS F7363)
5	Upper part	bronze CC493K	Joining the chat	bolted
6	Bolts upper part	stainless steel 1.4301/A2	Execution	straight
8	Spindle	stainless steel 1.4301	Joining	internal thread (G) according to ISO 7-Rp
9	Gland seal	graphite / Teflon PTFE	Drive	multi-turn
10	Stuffing box	brass CW612N	Working temp. [°C]	-196°C to 120°C
11	Flywheel	Al - alloy	Recommended temp. [°C]	-60°C to 120°C
12	Spring	CW452K		

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DN	Thread size (GW)	Size designation (.X.)	Construction length (FF)	Height (H)	Flywheel diameter (In)	Key distance (S1)	Key distance (S2)	Weight (approx. kg)	Kvs coefficient (m ³ /h)	Cv coefficient (gal/min)
10	1/4	0200	60	140	80	10	30	1.0	1.6	1.9
10	3/8	0300	60	140	80	10	30	1.0	2.2	2.6
15	1/2	0400	85	140	100	10	30	1.3	4.3	5.0
20	3/4	0600	85	140	100	10	30	1.7	6.7	7.8
25	1	1000	115	140	100	10	30	2.0	11.5	13.4
32	1-1/4	1200	115	170	125	13	36	2.8	20.6	26.3
40	1-1/2	1400	140	175	125	13	36	4.2	22.6	26.3
50	2	2000	160	200	125	13	36	6.7	37.1	43.2