

CRYOGENIC GATE VALVE TYPE 01301 WITH BRAZE COPPER END

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

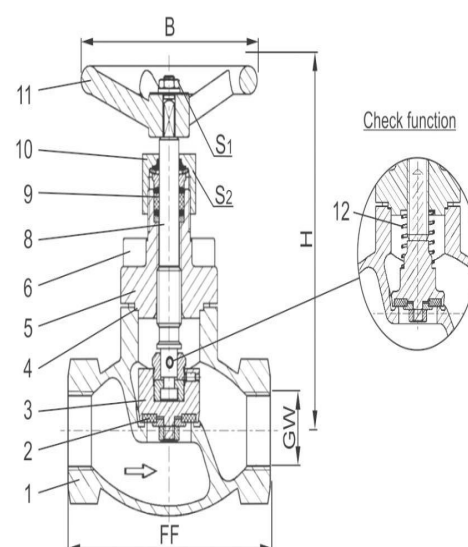
CRYOGENIC GATE VALVE TYPE 01301 WITH BRAZE COPPER WELDS, PN 50

- Upper part – flange connection
- Body and upper part made of bronze
- Tensioned gland packing
- Degreased for work with oxygen
- Product No. 01301X0008 valve
- Product No. 01301.X.5008 check valve
- Inlet and outlet with soldered joints for connection to a copper pipe

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.

Operating temp.: -196°C / -321°F (77K) to +120°C / +248°F (393K)

Recommended temp.: -60°C / -76°F (213K) to +120°C / +248°F (393K)



EXECUTION AND VARIANTS

Non-standard executions offered only upon request:

- End caps for connection to stainless steel pipes according to ISO 1127
- Control valve (type – threaded)

Dimensions: DN 10 - 50

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No.	DETAILS	MATERIAL
1	Housing	bronze SS491K
2	Gasket	Teflon PTFE / Elektrocarbon (25%)
3	Bowling	brass CW612N
4	Sealing upper part	Teflon PTFE / Foil
5	Upper part	bronze CC493K
6	Bolts upper part	stainless steel 1.4301/A2
8	Spindle	1.4301/A 276 Grade 304
9	Gland seal	graphite/teflon PTFE
10	Oil seal	brass CW612N
11	Flywheel	Al-alloy
12	Spring	B103 UNS C51900
13	Welded ends	copper B 152 UNS C12200

SPECIFICATION	
Type:	01301 - globe valve
Connection ends:	DIN EN 12449 or ASTM B88
Construction length:	JIS F7425 (JIS F7363)
Joining the group:	bolted
Execution:	straight
Joining:	welded joints
Drive:	multi-turn
Working temp. [°C]	-196°C to 120°C
Recommended temp. [°C]	-60°C to 120°C

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Conditional size (DN)	Size designation (X.)	Construction length (FF)	Height (H)	Outer pipe diameter (RA)	Socket depth (b)	Flywheel Ø (In)	Key distance (S1)	Key distance (S2)	Weight (approx. kg)	Kvs value (m³/h)	Cv value (gal/min)
10	1012	60	140	12.0	6	80	10	30	1.0	1.6	1.9
15	1515	85	140	15.0	6	100	10	30	1.3	4.3	5.0
20	2022	85	140	20.0	8	100	10	30	1.7	6.7	7.8
25	2528	115	140	25.0	8	100	10	30	2.0	11.5	13.4
32	3235	115	170	32.0	10	125	13	36	2.8	12.1	14.1
40	4042	140	175	42.0	13	125	13	36	4.2	22.6	26.3
50	5054	160	200	54.0	20	125	13	36	6.7	37.1	43.2