

CRYOGENIC GATE VALVE TYPE 01301 ON WELDED JOINT

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

CRYOGENIC GATE VALVE TYPE 01301, PN 50

- Upper part – flange connection;
- Body and upper part made of bronze;
- Tensioned gland packing;
- Degreased for operation with oxygen.

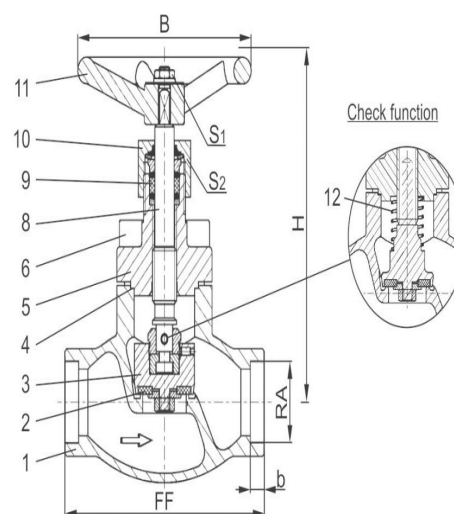
- Product No. 01301X0001 valve
- Product No. 01301.X.5001 check valve

· Inlet and outlet with a copper pipe soldering sleeve according to DIN EN 12449 or ASTM B88.

Approved for air, gases, vapors, liquefied cryogenic gases including liquefied natural gas.

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 versions available on request only:

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

Dimensions: DN 10 – 50

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

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.	-196°C to 120°C
Recommended temp.	-60°C to 120°C

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Conditional size (DN)	Size designation (X.)	Construction length (FF)	Height (H)	Outer diameter of the pipe (RA)	Depth of the socket (b)	Flywheel diameter (In)	Key distance (S1)	Key distance (S2)	Weight (approx. kg)	Kvs coefficient (m ³ /h)	
10	X=1012	60	140	depending on the order	6	80	10	30	1.0	1.6	1
15	X=1515	85	140	depending on the order	6	100	10	30	1.3	4.3	5
20	X=2020	85	140	depending on the order	8	100	10	30	1.7	6.7	7
25	X=2525	115	140	depending on the order	8	100	10	30	2.0	11.5	1
32	X=3232	115	170	depending on the order	10	125	13	36	2.8	12.1	1
40	X=4040	140	175	depending on the order	13	125	13	36	4.2	22.6	2
50	X=5050	160	200	depending on the order	20	125	13	36	6.7	37.1	4