

CRYOGENIC GATE VALVE TYPE 01315 WITH EXTENDED THREADED SPINDLE

Material
Pressure

bronze CC491K
PN 50

TECHNICAL CHARACTERISTICS

Cryogenic passage valves, PN 50

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

· Product No. 01315X0011 (H=270mm) · Product No. 01315X0021 (H=370mm) · Product No. 01315.X.5011 (H=270mm) with return function · Product No. 01315.X.5021 (H=370mm) with return function

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

· Product No. 01315X0016 (H=270mm) · Product No. 01315X0026 (H=370mm) · Product No. 01315.X.5016 (H=270mm) with return function · Product No. 01315.X.5026 (H=370mm) with return function

Connecting internal NPTF thread according to ANSI B 1.20.1

Special versions available – only on request:

- internal thread connection (R) according to ISO 7-Rc · extended spindle with size H up to 900 mm

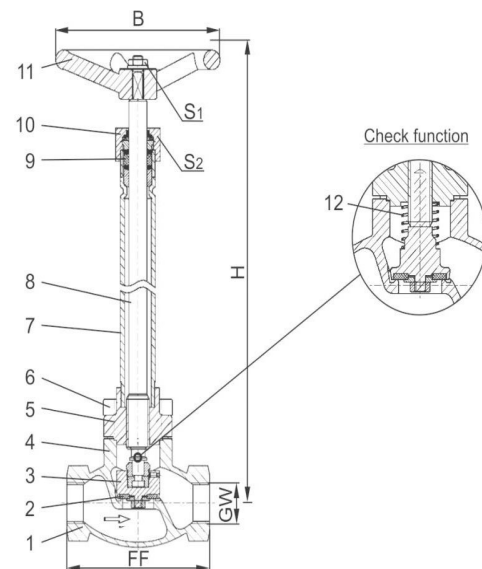
ANNEX

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)

Standard marking according to the Pressure Equipment Directive 97/23/EC (PED).

Dimensions: G1/4" - 2"



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No.	Material	DIN	ASTM
1	Body	bronze CC491K	B62 UNS C83600
2	Saddle	Teflon PTFE / with carbon fibers (25%)	
3	Valve	brass CW614N	B283 UNS C38500
4	Lid	Teflon sealant Teflon PTFE	
5	Upper part	CC493K	B505 UNS C93200
6	Lid fastener	stainless steel 1.4301	A A194B8
7	Extension cord	stainless steel 1.4541	A213TR321
8	Spindle	stainless steel 1.4301	A 276 Grade 304
9	Sealant	graphite / PTFE	
10	Oil seal	CW612N	B 283 UNS C37700
11	Flywheel	Al - alloy	
12	Spring	CW452K	B103UNS C51900

SPECIFICATION	
Type 01311	cryogenic globe valve, PN 50
Connection ends	copper pipes according to DIN EN 12449
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	butt weld
Drive	multi-turn
Working temp. [°C]	-196°C to +120°C
Recommended temp. [°C]	-60°C to +120°C

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Pressure PN 50

DN	Size code (.X.)	Construction length (FF)	Height (H)	Outer pipe diameter Ø (RA)	Depth of the socket (b)	Flywheel Ø (B)	Hexagon size (St)	Hexagon size (S2)	Weight (approx. kg)	Kvs value (m³/h)	Cv-value (gal/min)
10	X=DNRA	60	270mm or 370mm	according to order	6	100	7	30	1.4	1.6	1.9
15	X=DNRA	85	270mm or 370mm	according to order	6	100	7	30	1.7	4.3	5.0
20	X=DNRA	85	270mm or 370mm	according to order	8	100	7	30	2.1	6.7	7.8
25	X=DNRA	115	270mm or 370mm	according to order	8	100	7	30	2.4	11.5	13.4
32	X=DNRA	115	270mm or 370mm	according to order	10	125	10	36	3.3	12.1	14.1
40	X=DNRA	140	270mm or 370mm	according to order	13	125	10	36	4.7	22.6	26.3
50	X=DNRA	160	270mm or 370mm	according to order	20	125	10	36	7.2	37.1	43.2