

CRYOGENIC GATE VALVE TYPE 01321 WITH EXTENDED WELDED SPINDLE

Material stainless steel 1.4308
Pressure PN 50

TECHNICAL DESCRIPTION

Cryogenic shut-off and check valves, PN50
(for DN150 = PN40)

- stainless steel body and bronze cover
- pre-stressed gland
- cleaned and degreased for oxygen operation

With stainless steel butt weld ends according to ISO 1127 and ASTM A312:

- Art.No. 01321.X.001* (H = 270mm) valves
- Art.No. 01321.X.002* (H = 370mm) valves
- Art. No. 01321.X.501* (H = 270mm) check valves
- Art. No. 01321.X.502* (H = 370mm) check valves

With welded sockets for stainless steel pipes according to ISO 1127 and ASTM A312:

- Art.No. 01321.X.0014 (H = 270mm) valves
- Art.No. 01321.X.0024 (H = 370mm) valves
- Art. No. 01321.X.5014 (H = 270mm) check valves
- Art. No. 01321.X.5024 (H = 370mm) check valves

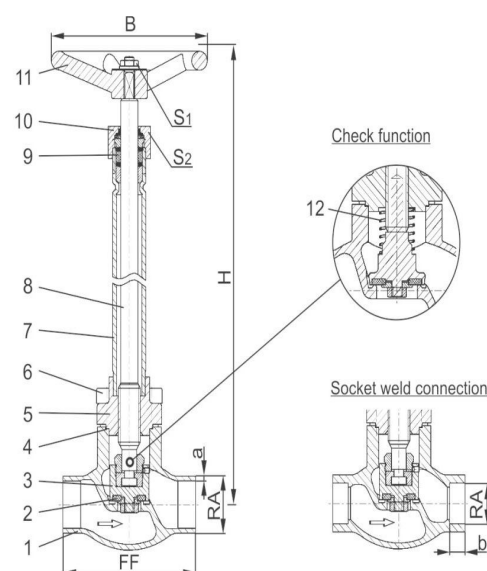
WORKING FLUID / MEDIUM

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

OPTIONS

- with welded stainless steel pipes according to ISO 1127 and ASTM A312 – length FF + 200mm
- extension H up to 900mm
- regulating valve (with threaded connection)
- different wall thickness of the extension pipes corresponding to the thickness of the connecting pipes when connecting by butt welding

Dimensions: DN 10 - 100



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No.	Materials	DIN EN	ASTM
1	Body	1.4308	A 351 CF8
2	Saddle up to DN50	Teflon PTFE / graphite filler (25%)	
2a	DN65 saddle	Teflon PTFE	
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
7	Extension cord	1.4541	A 213 TP 321
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 01321	cryogenic valves
Stop and return stop	PN50 (DN150=PN40)
Connection ends	on a weld
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	on a weld
Drive	manually
Working temp. [°C]	-196 °C / -321 °F
	up to +120 °C / +248 °F

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DN	Size code (.X.)	Construction length (FF)	Height (H)	Pipe outer Ø ISO 1127 (RA)	Wall thickness ISO (a)	Pipe outer Ø ASTM A312 (RA)	Wall thickness ASTM A312 (a)	Depth of socket (b)	Flywheel Ø (B)	Hexagon S1	Hexagon S2	Weight (kg)	Kvs (m ³ /h)
10	1012	70	270mm or 370mm	12.0	1.0	13.72	S10/S40	6	100	7	30	1.4	1.6
15	1517	85	320	17.2	1.6	17.15	S10/S40	10	100	7	30	1.65	3.8
15	1521	85	320	21.3	2.0	21.34	S10/S40	10	100	7	30	1.7	4.3
20	2026	100	370	26.9	2.0	26.67	S10/S40	13	100	7	30	2.1	6.7
25	2533	115	420	33.7	2.0	33.40	S10/S40	13	100	7	30	2.4	11.5
32	3238	115	420	about CO CO	2.0	-	S10/S40	-	125	10	36	3.3	14.0
40	4042	130	420	42.4	2.0	42.16	S10/S40	13	125	10	36	4.7	20.6
40	4048	130	420	48.3	2.0	48.26	S10/S40	13	125	10	36	4.7	22.6
50	5060	155	420	60.3	2.0	60.32	S10/S40	16	125	10	36	5.7	37.1
65	657x	205	420	76.1	2.6	73.02	S10/S40	16	200	10	36	12.7	71.1
80	8088	245	420	88.9	3.2	88.90	S10/S40	16	250	10	36	17.0	104.0
100	0114	280	420	114.3	6.0	114.30	S10/S40	20	315	12	41	24.5	170.0
150	0168	400	420	168.3	7.1	168.27	S10/S40	20	360	15	41	54.0	350.0