

CRYOGENIC GATE VALVE TYPE 01311 WITH EXTENDED SPINDLE AND THROUGHTING POLE WITH BRAZED STAINLESS STEEL ENDS

Material
Pressure

bronze CC491K
PN 50

TECHNICAL DESCRIPTION

Type 01311 – Valve

Cryogenic shut-off and check valves, PN50

- bronze body and cover
- pre-stressed gland
- cleaned and degreased for oxygen operation
- Art. No. 01311.X.0017 (H=270mm) Valves · Art. No. 01311.X.0027 (H=370mm) Valves · Art. No. 01311.X.5017 (H=270mm) Check valves · Art. No. 01311.X.5027 (H=370mm) Check valves

Brazed stainless steel ends according to DIN EN 12449 ASTM B88.

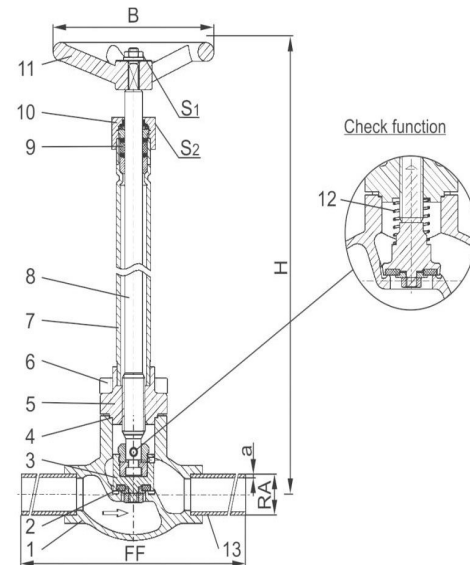
WORKING FLUID / MEDIUM

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

OPTIONS

- brazed stainless steel ends acc. to ISO 1127 · extension H up to 900mm · control valve (with threaded connection)

Dimensions: DN 10 - 50



**CRYOGENIC GATE VALVE TYPE 01311 WITH EXTENDED
SPINDLE AND THROUGHTING POLE WITH BRAZED STAINLESS**

Material
Pressure

bronze CC491K
PN 50

STEEL ENDS

No.	Materials	DIN EN	ASTM
1	Body	bronze CC491K	B62 UNS C83600
2	Saddle	Teflon PTFE / graphite filler (25%)	
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	A213 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
13	Brazed stainless ends	1.4306	A312 TP30

SPECIFICATION	
Type 05412	Cryogenic check valve PN 50
Connection ends	welded stainless ends
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	on a weld
Drive	manually
Working temp. [°C],	-196°C to +120°C
Recommended temp. [°C],	-60°C to +120°C

**CRYOGENIC GATE VALVE TYPE 01311 WITH EXTENDED
SPINDLE AND THROUGHTING POLE WITH BRAZED STAINLESS
STEEL ENDS**

Material bronze CC491K
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