

CRYOGENIC CHECK VALVE TYPE 05413 THREADED

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

Cryogenic check valve, PN50

- bronze body and cover
- with spring, minimum working pressure 0.1 bar
- cleaned and degreased for oxygen operation
- Part No. 05413.X.0001 with thread type (G) according to ISO 228/1
- Part No. 05413.X.0006 with NPT thread according to ANSI B 1.20.1

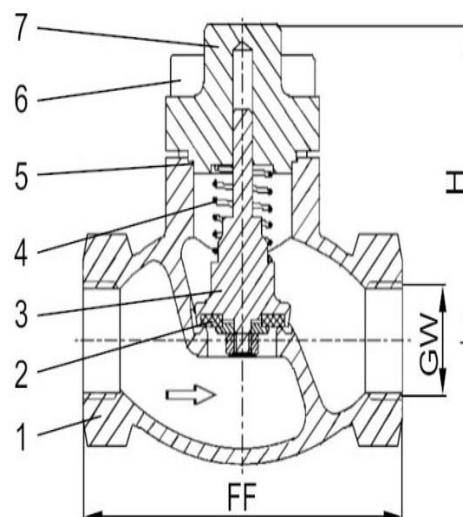
WORKING FLUID / MEDIUM

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

OPTIONS

- threaded (R) according to ISO 7-Rc

Dimensions: G1/4" - 2"



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	Spring	CW452K	B159 UNS C51900
5	Lid gasket	Teflon PTFE	
6	Bolts	1.4301/A2	A 194 B8
7	Lid	CC493K	B505 UNS C93200

SPECIFICATION	
Type 05413	Cryogenic check valve PN 50
Connection ends	threaded
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	threaded
Drive	independently
Working temp. [°C],	-196°C to +120°C
Recommended temp. [°C],	-60°C to +120°C

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DN	Thread Size (GW)	Size Code (.X.)	Construction Length (FF)	Height (H)	Weight (approx. kg)	Kvs Value (m³/h)	Cv Value (gal/min)
10	1/4	0200	60	71	0.7	1.6	1.9
10	3/8	0300	60	71	0.7	2.2	2.6
15	1/2	0400	85	71	1.0	4.3	5.0
20	3/4	0600	85	72	1.3	6.7	7.8
25	1	1000	115	75	1.6	11.5	13.4
32	1-1/4	1200	115	87	2.4	20.6	23.9
40	1-1/2	1400	140	95	3.9	22.6	26.3
50	2	2000	160	95	5.7	37.1	43.2