

CRYOGENIC CHECK VALVE TYPE 05411 WITH FLANGE CONNECTION

Material bronze CC491K
Pressure PN 50

TECHNICAL DESCRIPTION

Type 05411 - Check valves

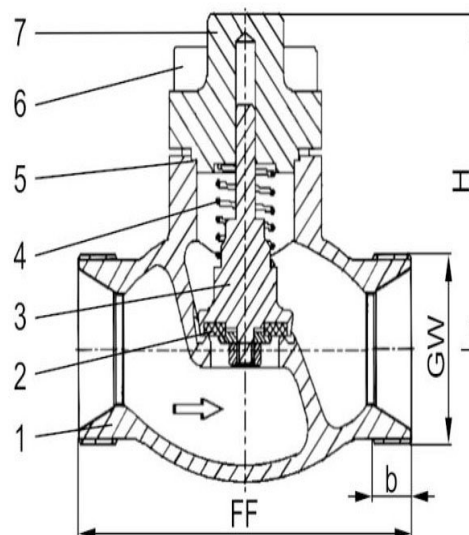
Cryogenic check valves, PN50

· bronze body and cover · with spring, minimum working pressure 0.1 bar · cleaned and degreased for oxygen operation · Art. No. 05411.X.0001 thread for union connection

WORKING FLUID / MEDIUM

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

Dimensions: DN 10 - 50



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 05411	cryogenic check valve PN 50
Connection ends	hollandruse
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	Dutch connection
Drive	independently
Working temp. [°C]	-196 °C / -321 °F (77K)
	+120 °C / +248 °F (393K)

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Nominal Size (DN)	Size Code (.X.)	Construction Length (FF)	Height (H)	Thread of the Collar (GW)	Thread Length (b)	Weight (approx. kg)	Kvs Value (m ³ /h)	Cv Value (gal/min)
10	0100	60	71	M26x1.5	7	0.7	2.2	2.6
20	0200	85	72	M40x2.0	11	1.3	6.7	7.8
32	0320	115	87	M55x2.0	14	2.4	12.1	14.1
40	0400	140	95	M65x2.0	17	3.9	22.6	26.3
50	0500	160	95	M78x2.0	20	5.7	37.1	43.2