

**CRYOGENIC CHECK VALVE TYPE 05412 WITH BRAZE COPPER
END**

Material
Pressure

bronze CC491K
PN 50

TECHNICAL DESCRIPTION

Type 05412 – Check valves
Cryogenic check valves, PN50

· bronze body and cover · with spring, minimum working pressure 0.1 bar · cleaned and degreased for oxygen operation

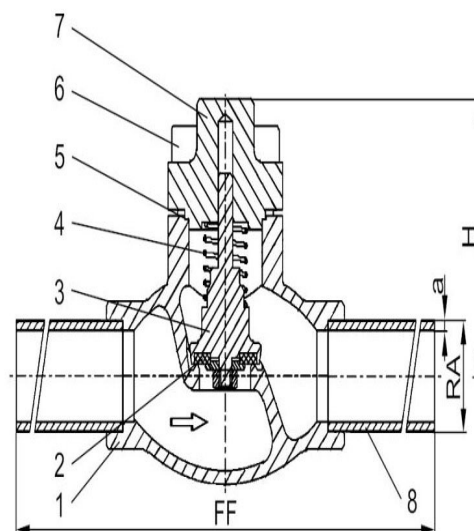
Art. No. 05412.X.0008

with soldered copper ends for welding according to DIN EN 12449.

WORKING FLUID / MEDIUM

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

Dimensions: DN 10 - 50



No.	Materials	DIN EN	ASTM
1	Body	bronze CC491K	B62 UNS C83600
2	Saddle	Teflon PTFE / with graphite filling (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
8	Copper ends	CW024A	B 152 UNS C12200

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

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DN	Size Code (.X.)	Construction Length (FF)	Height (H)	Outer Pipe Diameter Ø (RA)	Wall Thickness (a)	Weight (approx. kg)	Kvs Value (m³/h)	Cv Value (gal/min)
10	1012	360	71	12.0	1.0	0.8	2.2	2.6
15	1515	385	71	15.0	1.5	1.1	4.3	5.0
15	1518	385	71	18.0	1.5	1.1	4.3	5.0
20	2022	385	72	22.0	1.5	1.4	6.7	7.8
25	2528	415	75	28.0	1.5	2.0	11.5	13.4
32	3235	415	87	35.0	1.5	2.8	12.1	14.1
40	4042	420	95	42.0	1.5	4.5	22.6	26.3
50	5054	460	95	54.0	2.0	6.5	37.1	43.2