

CRYOGENIC CHECK VALVE TYPE 05416 WELDED

Material stainless steel 1.4308
Pressure PN 50

TECHNICAL DESCRIPTION

Cryogenic check valves, PN50
(for DN150 = PN40)

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

Butt weld connection with stainless steel pipes ISO 1127 and ASTM A312

· Art. No. 05416.X.000

Welding sockets for connection to stainless steel pipes according to ISO 1127 and ASTM A312

· Art. No. 05416.X.0004

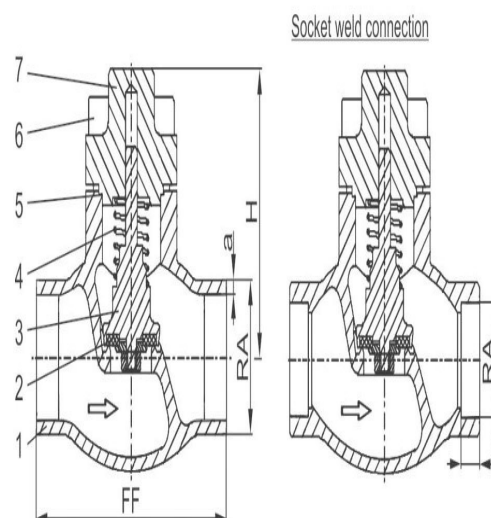
WORKING FLUID / MEDIUM

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

OPTIONS

- welded sleeves for stainless steel pipes according to ISO 1127 and ASTM A312 - length FF + 200mm

Dimensions: DN 10 - 100



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	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 05416	cryogenic check valve PN 50
Connection ends	for welding (or welded socket)
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	on a weld
Drive	independently
Working temp. [°C]	-196 °C / -321 °F
	up to +120 °C / +248 °F

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Pressure PN 50

DN	Size Code (.X.)	FF	H	Ø ISO 1127 (RA)	Wall ISO (a)	Ø ASTM A312 (RA)	Socket Depth (b)	Weight (kg)	Kvs (m³/h)	Cv (gal/min)
10	1012	70	71	12.0	1.0	13.721	6	0.7	1.6	1.9
15	1517	85	71	17.2	1.6	17.15	10	0.95	3.8	4.4
15	1521	85	71	21.3	2.0	21.34	10	1.0	4.3	5.0
20	2026	100	72	26.9	2.0	26.67	13	1.3	6.7	7.8
25	2533	115	75	33.7	2.0	33.40	13	1.6	11.5	13.4
32	3238	115	87	38.0	2.0	-	-	2.4	14.0	16.2
40	4042	130	95	42.4	2.0	42.16	13	3.9	20.6	23.9
40	4048	130	95	48.3	2.0	48.26	13	3.9	22.6	26.3
50	5060	155	95	60.3	2.0	60.33	16	5.7	37.1	43.2
65	657x	205	125	76.1	2.6	73.03	16	9.6	71.1	82.7
80	8088	245	150	88.9	3.2	88.90	16	14.6	104.0	120.9
100	0114	280	185	114.3	6.0	114.3	20	20.0	170.0	195.2
150	0168	400	215	168.3	7.1	168.3	20	51.0	350.0	401.8