

CRYOGENIC CHECK VALVE TYPE 05418 ON DIN PN40 FLANGES

Material stainless steel 1.4308
Pressure PN 40

TECHNICAL DESCRIPTION

Cryogenic check valves, PN40

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

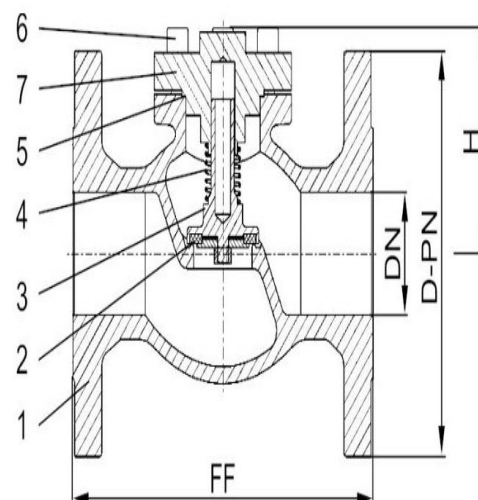
Flange connection according to DIN EN 1092-1 PN40

· Art. No. 05418.X.0002

WORKING FLUID / MEDIUM

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

Dimensions: DN 25 - 100



No.	Materials	DIN EN	ASTM
1	Body	1.4308	A351CF8
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 05418	cryogenic check valve PN 40
Connection ends	flange DIN
Construction length	factory standard
Attaching the lid	flanged
Execution	straight
Joining	on flanges
Drive	independently
Working temp. [°C]	-196 °C / -321 °F
	up to +120 °C / +248 °F

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Nominal size	Size code (.X.)	Flange diameter Ø (D-class)	Construction length (FF)	Height (H)	Weight (approx. kg)	Kvs value (m³/h)	Cv-value (gal/min)
15	0400	90	140	70	2.9	4.3	5.0
20	0600	100	150	75	3.4	6.7	7.8
25	1000	110	160	75	4.4	11.5	13.4
40	1400	125	200	95	6.4	22.6	26.3
50	2000	150	230	90	11.6	37.1	43.2
65	2400	180	290	125	19.2	71.1	82.7
80	3000	190	310	150	25.2	104.0	120.9
100	4000	230	350	165	39.8	170.0	195.2
150	6000	280	577	215	81.5	350.0	401.8