

Check Valves

Type 05419 - Check Valve, ANSI Flanges



Cryogenic-Check Valves, class 300

Stainless steel body and cap
with spring, opening pressure ca. 0.1 bar
"cleaned and degreased for oxygen service"

Part No. 05419.X.0003

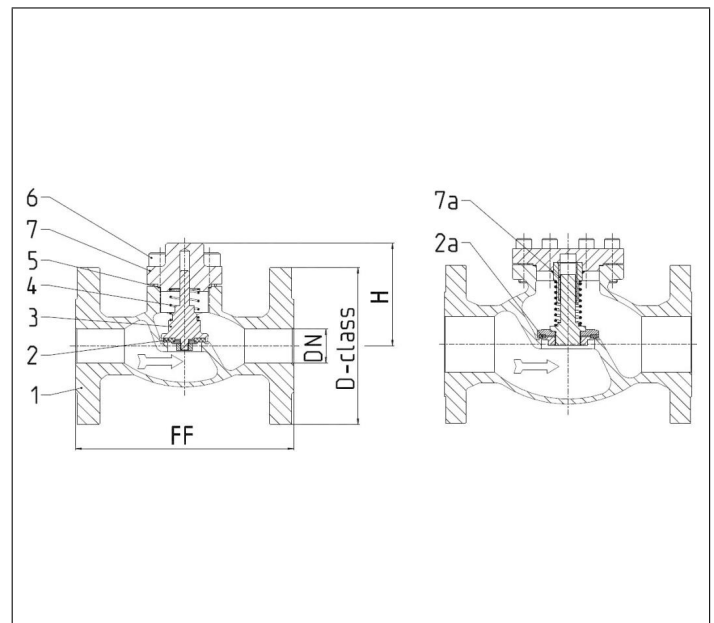
Flanged connection acc. to ANSI B16.5 class 300



Applications:

Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.
Working temperature: -196°C / -321°F (77K) up to +120°C / +248°F (393K)

Materials	DIN EN	ASTM
1 Body	1.4308	A 351 CF8
2 Valve seal up to DN50	PTFE / Carbon filled (25%)	
2a Valve seal from DN65	PTFE	
3 Disc	1.4301	A 276 Grade 304
4 Spring	1.4571	A 313 Grade 316Ti
5 Bonnet gasket	PTFE	
6 Bolts	1.4301/A2	A 194 B8
7 Cap	1.4301	A 276 Grade 304
7a Bush from DN65	PTFE	



Standard marking acc. to Pressure Equipment Directive 2014/68/EU (PED).



Type 05419 - Standard design	Technical data									
Nominal size	DN	15	20	25	40	50	65	80	100	150
Dimension code - Flange ANSI B16.5 class 300	.X.	0400	0600	1000	1400	2000	2400	3000	4000	6000
Flange-Ø	D-class	95	115	125	155	165	190	210	255	320
Face-to-face dimension	FF	140	150	160	200	230	290	310	350	597
Height	H	70	75	75	95	90	125	150	165	215
Weight	ca. kg	2.9	3.4	4.4	6.4	11.6	19.2	25.2	39.8	90.3
Kvs-Value	m ³ /h	4.3	6.7	11.5	22.6	37.1	71.1	104.0	170.0	350.0
Cv-Value	gal/min	5.0	7.8	13.4	26.3	43.2	82.7	120.9	195.2	401.8

Dimensions in mm. Compliance of tightness requirements acc. to EN 1626 for DN150 up to 20 bar differential pressure. In the range of >20-40 bar, 350-700ml (1 bar, 20°C [68°F]) are reached.