

# Fire Safe Valves

## Type 05614 - Check Valve



### Cryogenic-Check Valves

Fire type-testing according to EN ISO 10497

Stainless steel body and cap  
with spring, opening pressure ca. 0.1 bar

#### Part-No. 05614.X.0041, PN25

Butt weld connection for stainless steel pipes acc. to ISO 1127 or ASTM A312

#### Part-No. 05614.X.0044, PN25

Socket weld connection for stainless steel pipes acc. to ISO 1127 or ASTM A312

Available options - on request only

Check valves provide reliable backflow functionality when properly sized. Based on experience, the minimum operating range of the valve should be 50% for gases and 40% for liquids in relation to the total capacity of the valve. Lower flow rates can lead to unstable performance, excessive noise, and even component failure.

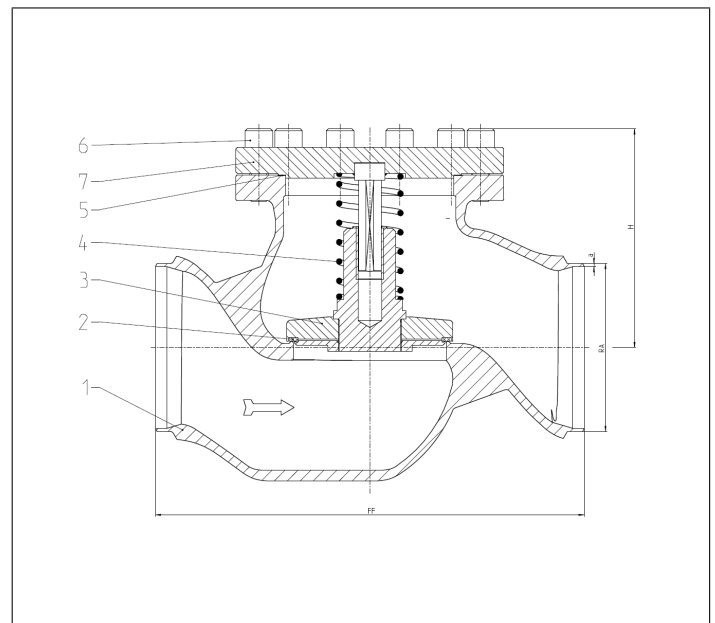


### Applications:

Approved for hydrogen, air gases, vapours and cryogenic liquefied gases incl. LNG.

Working temperature: -255°C / -427°F (18K) up to +120°C / +248°F (393K)

Materials	DIN EN	ASTM
1 Body	1.4409	A 351 CF3M
2 Valve Seal	PTFE / Carbon filled (25%)	
3 Disc	1.4404	A 276 Grade 316L
4 Spring	1.4571	A 313 Grade 316Ti
5 Bonnet gasket	Graphite	
6 Bolts	1.4571/A4 similar	A 194 B8T
7 Cap	1.4404	A 276 Grade 316L



Type 05614 - Standard design	Technical data	
Nominal size	DN	200
Dimension code	.X.	0219
Face-to-face dimension	FF	560
Height	H	285
Outside pipe-Ø ISO 1127	RA	219,1
Wall thickness pipe ISO 1127	a	6,3
Outside pipe-Ø ASTM A312	RA	219,1
Wall thickness pipe ASTM A312	a	dimensions acc. to S10 or S40
Socket depth	b	15
Weight	ca. kg	109
Kvs-Value	m <sup>3</sup> /h	680
Cv-Value	gal/min	793

Dimensions in mm. Leakage rates will be provided on request