

### Cryogenic-Check Valves, PN50

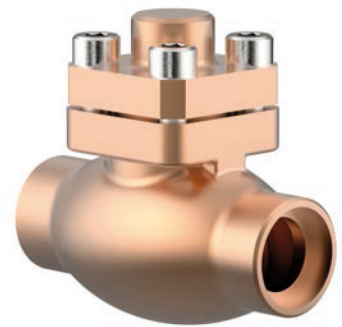
Bronze body and cap  
with spring, opening pressure ca. 0.1 bar  
"cleaned and degreased for oxygen service"

#### Part No. 05412.X.0001

Socket end for copper pipes acc. to DIN EN 12449 or ASTM B88

Available options - on request only:

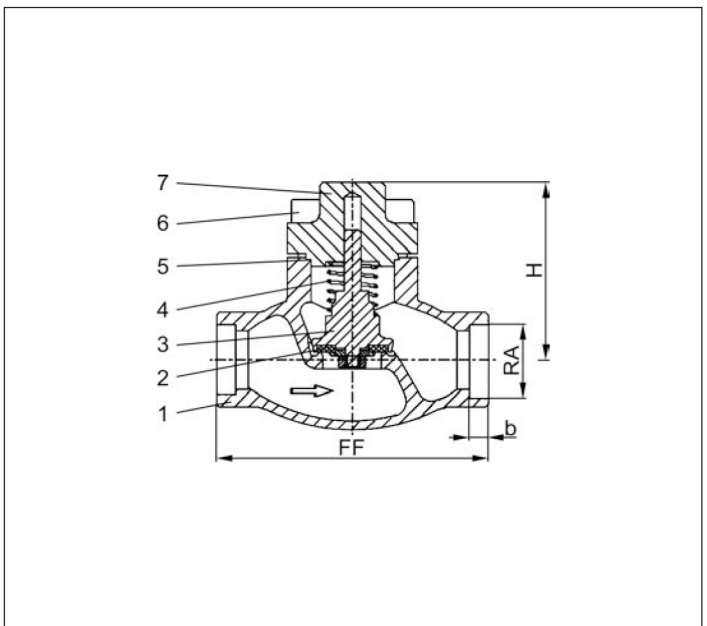
- Socket end for stainless steel pipes acc. to ISO 1127



### 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	CC491K	B 62 UNS C83600
2 Valve seal	PTFE / Carbon filled (25%)	
3 Disc	CW614N	B 283 UNS C38500
4 Spring	CW452K	B 159 UNS C51900
5 Bonnet gasket	PTFE	
6 Bolts	1.4301/A2 A 194 B8	
7 Cap	CC493K	B 505 UNS C93200



Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 05412 - Standard design	Technical data							
Nominal size	DN	10	15	20	25	32	40	50
Dimension code	.X.	X=DNRA, Example: valve DN10 for copper pipe RAØ12mm. X=1012						
Face-to-face dimension	FF	60	85	85	115	115	140	160
Height	H	71	71	72	75	87	95	95
Outside pipe-Ø	RA	dependent on order						
Socket depth	b	6	6	8	8	10	13	20
Weight	ca. kg	0.7	1.0	1.3	1.6	2.4	3.9	5.7
Kvs-Value	m <sup>3</sup> /h	1.6	4.3	6.7	11.5	12.1	22.6	37.1
Cv-Value	gal/min	1.9	5.0	7.8	13.4	14.1	26.3	43.2

Dimensions in mm.