

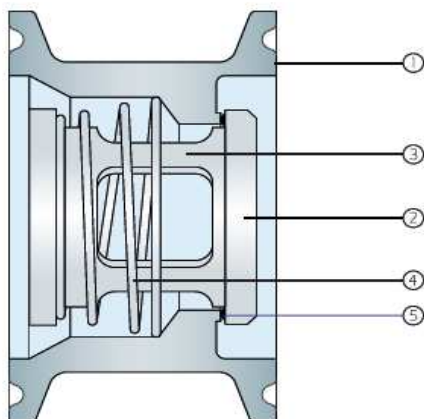
CHECK VALVE

HCV05



The HCV05 is a one-piece non-maintainable valve intended for steam, condensate and process fluid applications. The Standard valves have metal-metal sealing and a choice of 8 to 35 mbar opening pressure. A number of soft seat seal options are also available.

HCV05 is also suitable for use as an anti-vacuum valve or pressure relief valve device.

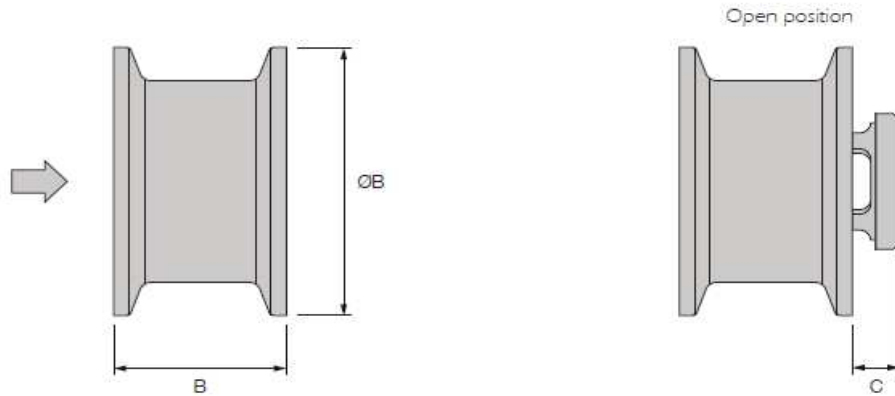



- P Pressure Rating**
Up to 10 barg
- T Temperature Rating**
Up to - 200°C with metal-metal seating
200°C with Viton, Silicone or Perlast seat seal
150°C with EPDM seat seal
- Connections**
To suit - 1/2" - 4" ASME BPE clamp
DN8 - DN50 DIN clamp
DN8 - DN40 ISO clamp
- Seal Material**
Standard valves have metal-metal seating
Optional seat seal - EPDM, Viton, Silicone or Perlast
- Opening Pressure**
8 or 35 mbar
- Surface Finish**
Wetted inlet surfaces - 0.5 microns Ra
Wetted outlet surfaces - 0.8 microns Ra
- Options**
Enhanced surface finishes and electropolishing
Low sulphur stainless steel, C22 and other alloys
- C Available Certification**
 - CofC** Certificate of Conformity
 - MTR's** Material Certification
 - FDA** FDA Elastomer compliance certificates
 - USP** USP Elastomer compliance certificates
 - ADI** Certified 'Animal Derived Ingredient' free

Part	Description	
1	Body	316L stainless steel
2	Valve head	316L stainless steel
3	Piston	316L stainless steel
4	Spring	316 stainless steel
5	Optional seat seal	EPDM, Viton, Silicone or Perlast

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	vDimensions (mm)								Kv(m ³ /h)	Weight (kg)
	ASME BPE	ØA	DIN	ØA	ISO	ØA	B	C		
	1/2"	25	DN8 & DN10	25 or 34	DN8 & DB10	25	40	-	2	0.1
	3/4"	25	DN15	25 or 34	DN15	25 or 50.5	40	-	2	0.1
	1"	50.5	DN20 DN25	25 or 34	DN20	50.5	25	3	4	0.15
	1-1/2"	50.5	DN32 DN40	50.5 50.5	DN25 & DN32	50.5 50.5	30	10	8	0.18
	2"	64	DN50	64	DN40	64	35	9	18	0.35
	2-1/2"	77.5	-	-	-	-	55	12	32	1.3
	3"	91	-	-	-	-	60	12	60	1.6
	4"	119	-	-	-	-	80	15	109	2.0

	Effect on opening pressure due to valve orientation (mbar)					
	Flow	1/2"	3/4"	1"	1-1/2"	2"
35 mbar 8 mbar spring spring	↔	0	0	0	0	0
	↑	+4	+4	+4	+4	+4
	↓	-4	-4	-4	-5	-5
	↑	+4	+4	+4	+4	+4
	↓	-4	-4	-4	-4	-4