

CHECK VALVE HCV01



The **HCV03** check valve is designed to fit between two ASME BPE compliant clamp fittings, with a moulded seal profile replacing the standard joint gasket. The valve is suitable for a wide range of duties in liquid and gas service, including pressure relieving and anti-vacuum applications. A number of soft seat seal and spring options are also available.

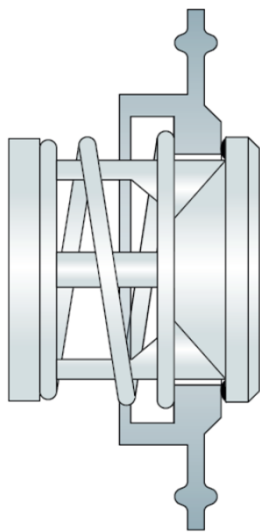


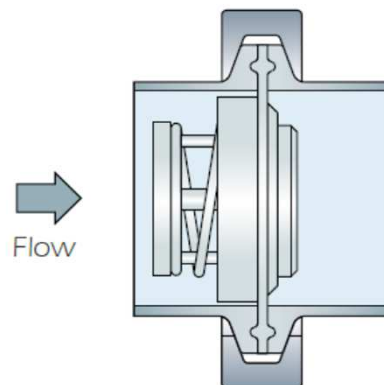
Illustration showing optional seat seal (5) fitted

- P Pressure and Temperature Rating**
- T** Max pressure (bar)

3/4" - 2"	3.8	3.8	2.3	1.7	1.4	1.2	1.2
2-1/2" - 4"	1.4	1.4	0.9	0.6	0.5	0.4	0.35
- Max temperature (°C) 0 38 65 90 121 150 205
- Connections**
To suit - 3/4" - 4" ASME BPE clamp fittings
- Seal Material**
Body seal - PTFE (integral with valve body)
Seat seal - PTFE or EPDM
- Opening Pressure**
8, 35, 100 or 240 mbar
- Surface Finish**
Body, piston and valve head - 1.0 micron Ra
- Options**
Alternative spring ranges and seat seals
PTFE coated spring
- Available Certification**
 - CofC** Certificate of Conformity
 - FDA** FDA Elastomer compliance certificates*
 - ADI** Certified 'Animal Derived Ingredient' free

*Only 3/4" and 1-1/2" valves can be certified as being FDA compliant due to the affect of manufacturing processes on other sizes

Part	Description
1	Body PTFE
2	Valve head PTFE
3	Piston PTFE
4	Spring 316 stainless steel
5	Optional seat seal EPDM



Installed valve

HCV03

HCV03							
						<p>Open position</p>	
	Size ASME BPE	Dimensions (mm)				Kv(m ³ /h)	Weight (grams)
	3/4"	ØA	ØB	C	D		
	1"	25	14.9	14.0	15.5	2	10
	1-1/2"	50.5	21.6	14.0	17.5	4	10
	2"	50.5	34.0	14.0	23.1	8	30
	2-1/2"	64	46.7	14.5	24.9	18	50
	3"	77.5	59.7	15.2	24.6	32	70
	4"	91	72.1	16.3	40.1	65	150
	4"	119	96.6	19.8	48.0	120	300

		Effect on opening pressure due to valve orientation (mbar)						
Flow		3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"
8 mbar spring Other ranges	↔	0	0	0	0	0	0	0
	↑	+4	+4	+4	+4	+4	+5	+7
	↓	-4	-4	*	*	*	*	*
	↑	+4	+4	+4	+4	+5	+5	+7
	↓	-4	-4	-4	-4	-5	-5	-7

*Valves not suitable for orientation with flow downward when fitted with 8 mbar spring

Packaging
Individually bagged

Service Parts
The HCV03 is a non-maintainable design

Specification
See product selector sheet for specification and ordering detail