

CHECK VALVE

MODEL #34



FLOWTECH DIV.

Teknoflow Inc. Atlanta, GA USA

APPLICATIONS

Flowtech's newly improved **#34 sanitary and industrial Check Valve** is designed for the beverage, foods, pharmaceutical / bio-tech and related industries.

DESIGN

The streamlined **spring operated Disc Check Valve** mounts **both horizontally and vertically with equal results**. The trapped O-ring design features an absolute positive lock of the O-ring between the stainless disk members. Disc components are tapered for smooth product flow characteristics and are positively guided by the rear fixed sleeve. The connection between both valve halves is sealed by the **Flowtight™** sanitary O-ring design and is easily disassembled for service.

MATERIALS

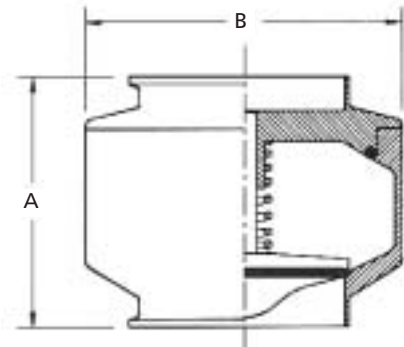
All wetted **#34** parts are **304 or 316L stainless steel**. O-ring elastomers are available in EPDM, Silicone, Viton or PTFE encapsulated Viton.

OPTIONAL

- Special springs available for fractional or higher cracking pressures.
- Polish down to 15 Ra (0.4 micron, μm) and / or electropolishing
- **Hastelloy-C** and **AL6XN** material
- Elastomers of **USP Class VI** material
- Butt-weld, ANSI or DIN flanged connections
- Material test report available

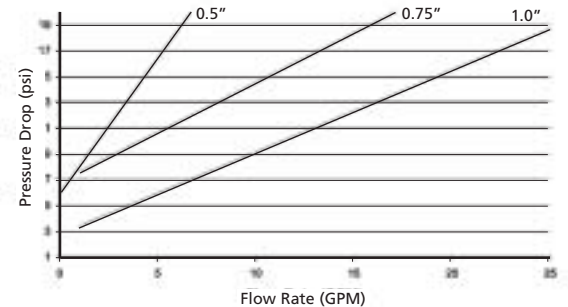
Cracking pressure	2-3 psig
Optional	Down to 0.5 psig
Max product temperature	390°F
Min product temperature	-10°F
Max system pressure	200 psig
STD inside finish	35 Ra (0.8 micron, μm)
O-ring material	EPDM

Size	A		B		Weight	
	mm	in	mm	in	kg	lb
0.5"	86	3.4	33	1.3	0.3	0.7
0.75"	86	3.4	33	1.3	0.3	0.7
1.0"	81	3.2	73	2.9	1.2	2.6
1.5"	81	3.2	73	2.9	1.2	2.6
2.0"	81	3.2	83	3.3	1.4	3.1
2.5"	93	3.7	106	4.2	2.4	5.2
3.0"	99	3.9	124	4.9	3.4	7.5
4.0"	114	4.5	159	6.3	5.0	11.0
6.0"	185	7.3	231	9.1	8.6	19.0

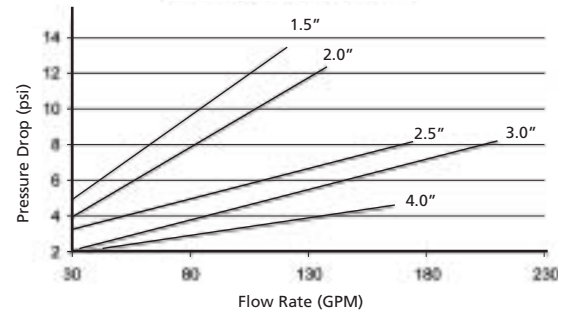


#34 Disc Check Valve

#34 Check Valves
Pressure Drop vs. Flow 0.5"-1.0"



#34 Check Valves
Pressure Drop vs. Flow 1.5"-4.0"



* 1cps (water at ambient temp)
Technical changes without notice



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