

# Check Valve

Model #34



**UNIBLOC®-PUMP**

## APPLICATIONS

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

## DESIGN

The streamlined **spring operated Disk 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. Disk 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

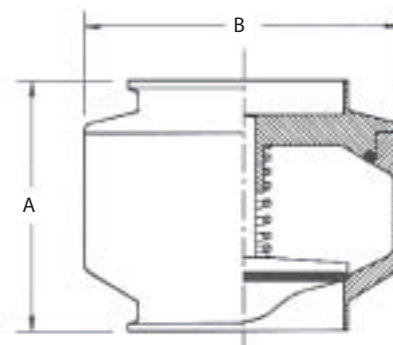
All wetted **#34** valve parts are **304 or 316L** stainless material. O-ring elastomers available in EPDM, Silicone, Viton or PTFE encapsulated Viton.

## OPTIONAL

- Polish down to 15 Ra (0.4 micron,  $\mu\text{m}$ ) and / or **electropolishing**
- **Hastelloy-C** material
- Elastomers of **USP Class VI** material
- Butt-weld, ANSI or DIN flanged connections
- Material test report available

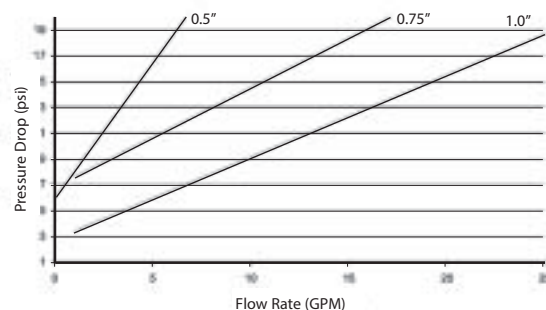
Cracking pressure	2-3 psig
Max product temperature	390°F
Min product temperature	-10°F
Max system pressure	200 psig
STD inside finish	35 Ra (0.8 micron, $\mu\text{m}$ )
O-ring material	EPDM

Size inch	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

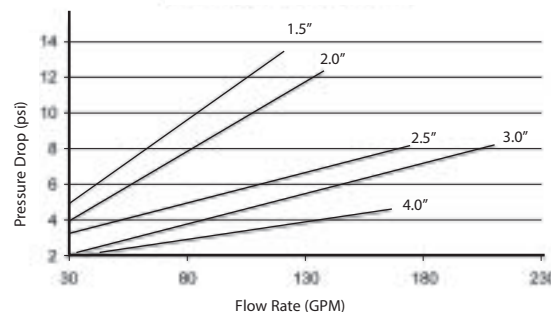


#34 Disc Check Valve

#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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