

# CHECK VALVE

MODEL #34



**FLOWTECH** DIV.

Teknoflow Inc. Atlanta, GA USA

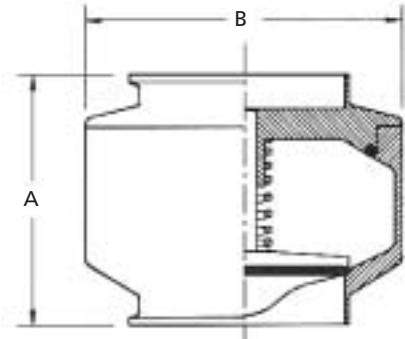
# APPLICATIONS

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.

| 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

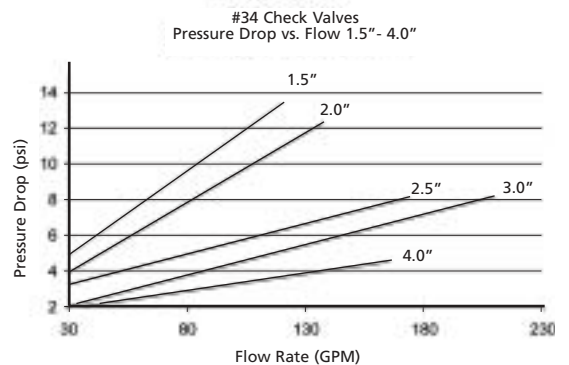
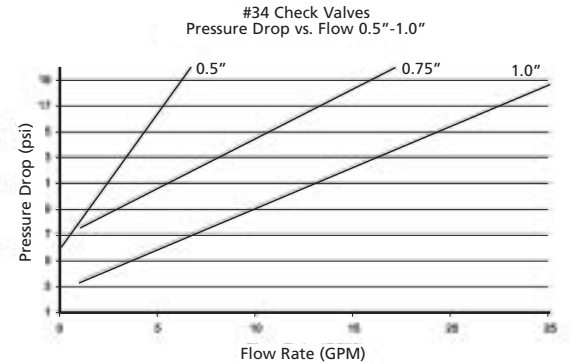
# MATERIALS

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                   |



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



Distributor:

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