

SANITARY CHECK VALVES

When it counts,
count on Unibloc®.

- Reliable reverse flow protection
- 0.5" to 6" sizes
- Standard 32 Ra and electropolished hygienic design
- FlowTight™ positive lock construction
- Mounts both horizontally and vertically
- Easy installation
- Ideal for pharmaceutical/biotech, food/beverage and chemical applications



HELPS PREVENT EQUIPMENT DAMAGE AND PRODUCT CONTAMINATION

Hygenitec Sanitary Check Valves are designed for optimal flow and dependable sealing.

These spring-operated disk check valves feature cracking pressures as low as 2-3 psig, making them ideal for highly sensitive products and reduced pressure drop. The rugged construction and high-quality components enable the valves to operate reliably at temperatures from -10° F to 390° F and pressures up to 200 psig. They provide greater flexibility by being able to function either horizontally or vertically mounted.

Electropolished finish removes microscopic imperfections for an ultra-hygienic design

Can be mounted horizontally or vertically with equal performance.



TIGHT SEAL FOR OPTIMAL FLOW

Fully-machined 316L stainless steel housing and seamless ports ensure sanitary operation



LARGEST SELECTION, IN STOCK

Hygienitec Sanitary Check Valves are available in a wide range of sizes for consistent performance throughout a variety of processes. A large inventory is always on hand for fast shipping, keeping your operation running at peak performance.

Available sizes:

0.5", 0.75", 1", 1.5", 2", 2.5", 3", 4", 6"

PROVEN FLOWTIGHT™ DESIGN

A trapped O-ring, positively secured between the cap and stem, ensures a tight seal. USP Class VI elastomers come in standard FKM material with optional EPDM, Silicone or PTFE-encapsulated FKM.

Optional Hastelloy-C housing material is also available for highly corrosive environments.

EASY TO INSTALL

Sanitary Check Valves feature an etched diagram on the valve to ensure proper installation. Restart the process line with confidence that your valves are installed correctly, not backward, as is common with tri-clamp check valves.

Additional Optional Features

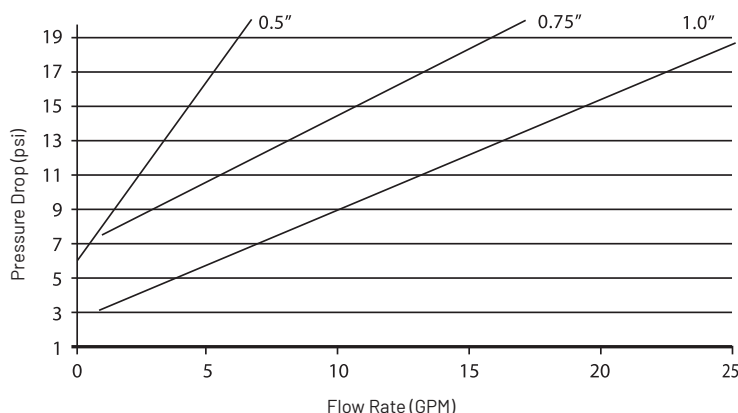
- **Polish** up to 15 Ra (0.4 micron, μm) and/or electropolishing
- **Butt-weld, ANSI, NPT or DIN** flanged connections
- **Material test report** available

CHECK VALVE

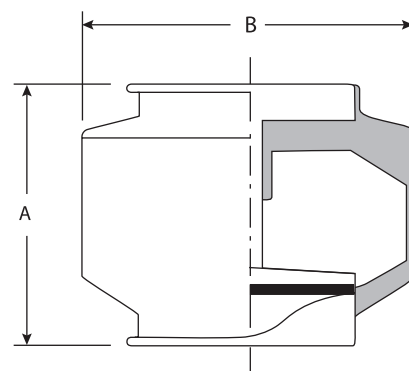
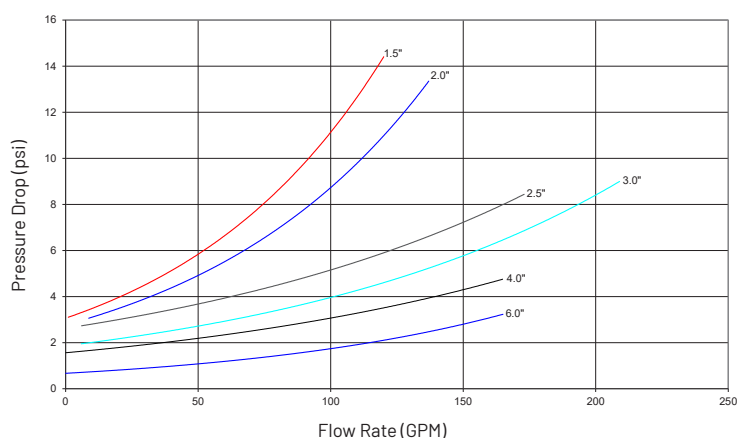
DIMENSIONS			
SIZE in	A in (mm)	B in (mm)	Weight lb (kg)
0.5"	3.4 (86)	1.3 (33)	0.7 (0.3)
0.75"	3.4 (86)	1.3 (33)	0.7 (0.3)
1.0"	3.2 (81)	2.9 (73)	2.6 (1.2)
1.5"	3.2 (81)	2.9 (73)	2.6 (1.2)
2.0"	3.2 (81)	3.3 (83)	3.1 (1.4)
2.5"	3.7 (93)	4.2 (106)	5.2 (2.4)
3.0"	3.9 (99)	4.9 (124)	7.5 (3.4)
4.0"	4.5 (114)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

SPECIFICATIONS	
Cracking Pressure	2-3 psig
Maximum Product Temperature	390°F
Minimum Product Temperature	-10°F
Maximum System Pressure	200 psig
STD Inside Finish	35 Ra (0.8 micron, μm)
STD O-ring Material	Viton

Pressure Drop vs Flow
0.5"-1.0"



Pressure Drop vs Flow
1.5"-6.0"



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

Unibloc Hygienic Technologies provides a broad portfolio of powerful solutions for companies around the world.