Reducing Check Valves

Polypropylene

Cole-Parmer®

Place these check valves in your line to prevent backflows to protect your fluid system. Reducing check valves provide a smooth transition from a larger tubing size to a smaller tubing size. Polypropylene body and silicone diaphragm construction offer high purity and exceptional chemical resistance.

The polypropylene body meets USP Plastic Class VI and FDA 21 CFR 177.1520(c) 1.1a requirements, making these check valves ideal for pharmaceutical, food, and beverage applications. The silicone diaphragm opens at 0.5 psi and closes at 1.9 psi, ensuring unidirectional flow. A free-floating, disk-based silicone diaphragm allows installation in any position. The single-barb design accepts flexible tubing.

CERTIFICATION

USP Class VI, FDA 21 CFR 177.1520, and RoHS compliant

APPLICATIONS

- Perfect for sensitive bioprocess fluids and industrial applications to protect equipment
- Ideal for general-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Free-floating, disk diaphragm allows installation in any position
- Animal-derivative, DEHP, and BPA free
- Prevents backflow to protect your equipment
- Works with both liquids and gases
- Free technical application support available to assist with product selection

USA	+1.800.323.4340	UK	+44 (0) 1480.272279
	+1.847.549.7600		+33 (0) 1.87.170142*
Canada	+1.800.363.5900		+49 (0) 937.792030*
China	86.21.5109.9909	Italy	+39.02.84349215
India	+1.800.266.1244	All others	+1.847.549.7600

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*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

Specification and Ordering Table

Inlet Barbed Ports	Outlet Barbed Ports	Housing Material	Seal Material	Break Pressure (psi)	Working Pressure: psi (bar)	Max Temperature	Item Number
3/16” (4.8 mm)	1/8” (3.2 mm)	Polypropylene	Silicone	0.5	50 (3.4)	121 °C (250 °F)	50140-94
1/4” (6.4 mm)	1/8” (3.2 mm)	Polypropylene	Silicone	0.5	50 (3.4)	121 °C (250 °F)	50140-95
1/4” (6.4 mm)	3/16” (4.8 mm)	Polypropylene	Silicone	0.5	50 (3.4)	121 °C (250 °F)	50140-96
3/8” (9.5 mm)	1/8” (3.2 mm)	Polypropylene	Silicone	0.5	50 (3.4)	121 °C (250 °F)	50140-98
3/8” (9.5 mm)	3/16” (4.8 mm)	Polypropylene	Silicone	0.5	50 (3.4)	121 °C (250 °F)	50140-99
3/8” (9.5 mm)	1/4” (6.4 mm)	Polypropylene	Silicone	0.5	50 (3.4)	121 °C (250 °F)	50140-97