

Enlarging Check Valves

Gamma-Stable Polycarbonate

Cole-Parmer®



Place these check valves in your line to prevent backflows to protect your fluid system. Enlarging check valves provide a smooth transition from a smaller tubing size to a larger tubing size. Gamma-stable polycarbonate body and silicone diaphragm construction offer excellent purity and compatibility with gamma irradiation.

The gamma-stable polycarbonate body is ISO 10993 tested for biocompatibility, making these check valves ideal for pharmaceutical and analytical 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

ISO 10993 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
- DEHP-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
	+1.847.549.7600
Canada	+1.800.363.5900
China	86.21.5109.9909
India	+1.800.266.1244

UK	+44 (0) 1480.272279
	+33 (0) 1.87.170142*
	+49 (0) 937.792030*
Italy	+39.02.84349215
All others	+1.847.549.7600

Cole-Parmer®

coleparmer.com

*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
1/8" (3.2 mm)	3/16" (4.8 mm)	Gamma-Stable Polycarbonate	Silicone	0.5	50 (3.4)	93 °C (200 °F)	50141-01
1/8" (3.2 mm)	1/4" (6.4 mm)	Gamma-Stable Polycarbonate	Silicone	0.5	50 (3.4)	93 °C (200 °F)	50141-00
1/8" (3.2 mm)	3/8" (9.5 mm)	Gamma-Stable Polycarbonate	Silicone	0.5	50 (3.4)	93 °C (200 °F)	50141-02
3/16" (4.8 mm)	1/4" (6.4 mm)	Gamma-Stable Polycarbonate	Silicone	0.5	50 (3.4)	93 °C (200 °F)	50141-03
3/16" (4.8 mm)	3/8" (9.5 mm)	Gamma-Stable Polycarbonate	Silicone	0.5	50 (3.4)	93 °C (200 °F)	50141-04
1/4" (6.4 mm)	3/8" (9.5 mm)	Gamma-Stable Polycarbonate	Silicone	0.5	50 (3.4)	93 °C (200 °F)	50141-05