GENERANT

POPPET CHECK VALVE
1/8" - 1/2" Dual Ferrule Tube, Female & Male NPT, 1/4" Face Seal 0-3000 PSIG

PCV SERIES

Description

Poppet type, zero leak, inline check valve for liquid and gas applications to 3000 Psig. Fully retained O-ring seal design permits full rated pressure in the checked direction. Offered with fully interchangeable dual ferrule tube or metal to metal face seal connections. A variety of crack pressures and seal materials, combined with a metal to metal positive stop provides long trouble free service life in the most demanding applications.

Features

- Working Pressures to 3000 Psig (206 bar)
- Full Pressure Rating in Check Direction
- Fully Retained O-ring Seal
- Dual Ferrule Tube, Female NPT, Male NPT and Face Seal Connections Available
- Cracking Pressures from 0.3 to 25 Psig (0.02-1.7 bar)
- 100% Factory tested for crack, leakage and reseal performance

Technical Data

- Nominal Crack Pressures: 0.3, 1, 10, & 25 Psig (0.02, 0,07, 0.7 & 1.7 bar)
- Maximum Pressure: 3000 Psig @ 70°F (206 bar @ 21° C)
- Temperature Rating: -80°F to 375°F (-62°C to 190°C) (based on seal selection, see ordering information)

Materials of Construction

Component	Valve Body Material	
	Brass	Stainless Steel
Inlet Cap, Outlet Body, Poppet	Brass, ASTM B16	316 SS, ASTM A479
O-ring Retainer	316 SS, ASTM A479	
Spring	302 SS, ASTM A313	
O'Ring Seal	Buna-N	Viton™

- Lubricated with Krytox™