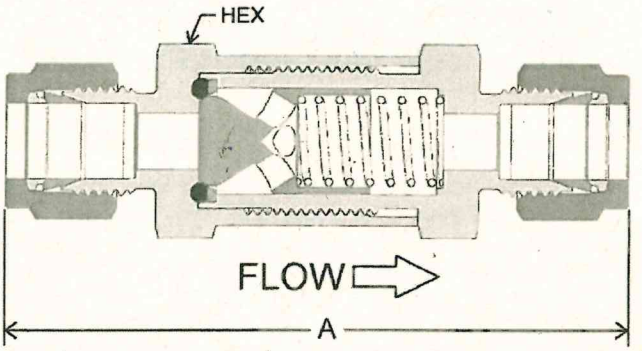
SERIES PCV POPPET CHECK VALVE



Dimensional/Flow Data

Model Code	Port Configuration		Dimensions/Flow		
	Inlet	Outlet	A[1] (inches)	Hex	Cv
PCV-2T	1/8" Tube	1/8" Tube	2.19	5/8"	0.10
PCV-2P	1/8" Male NPT	1/8" Male NPT	1.71		
PCV-2F	1/8" Female NPT	1/8" Female NPT	1.89		
PCV-4VS[2]	1/4" Face Seal	1/4" Face Seal	2.21		0.47
PCV-4T	1/4" Tube	1/4" Tube	2.35		
PCV-4P	1/4" Male NPT	1/4" Male NPT	2.09		
PCV-4PT	1/4" Male NPT	1/4" Tube	2.22		
PCV-4F	1/4" Female NPT	1/4" Female NPT	2.15	3/4"	
PCV-6T	3/8" Tube	3/8" Tube	3.17	7/8"	1.47
PCV-6P	3/8" Male NPT	3/8" Male NPT	2.78		
PCV-6F	3/8" Female NPT	3/8" Female NPT	2.98		
PCV-8T	1/2" Tube	1/2" Tube	3.42		1.68
PCV-8P	1/2" Male NPT	1/2" Male NPT	3.16		
PCV-8F	1/2" Female NPT	1/2" Female NPT	3.58	1-1/16"	

1 Dimensions are shown with nuts finger-tight.
2 316 SS only
Flow tested in accordance with ISA S75.21 with air. Restrictions in the inlet or outlet piping may reduce flow.
Other Inlet and Outlet combinations available. Consult Factory.

Ordering Information

PCV - 4T SS - V - 1

SERIES
PCV - Poppet Check Valve

PORT CONFIGURATION
2T - 1/8" Tube x 1/8" Tube
2P - 1/8" Male NPT x 1/8" Male NPT
2F - 1/8" Female NPT x 1/8" Female NPT
4VS - 1/4" Face Seal x 1/4" Face Seal
4T - 1/4" Tube x 1/4" Tube
4P - 1/4" Male NPT x 1/4" Male NPT
4PT - 1/4" Male NPT x 1/4" Tube
4F - 1/4" Female NPT x 1/4" Female NPT
6T - 3/8" Tube x 3/8" Tube
6P - 3/8" Male NPT x 3/8" Male NPT
6F - 3/8" Female NPT x 3/8" Female NPT
8T - 1/2" Tube x 1/2" Tube
8P - 1/2" Male NPT x 1/2" Male NPT
8F - 1/2" Female NPT x 1/2" Female NPT

MATERIAL CODE
B - Brass
SS - 316 SS

CRACK PRESSURE
.3 - (.1 - .4 Psig) (0.02 bar)
1 - (.5 - 1 Psig) (0.07 bar)
10 - (8 - 12 Psig) (0.7 bar)
25 - (22 - 27 Psig) (1.7 bar)

SEAL MATERIAL
V - Viton™, -10°F to 375°F (-23°C to 190°C)
B - Buna-N, -40°F to 250°F (-40°C to 121°C)
N - Neoprene, -40°F to 300°F (-40°C to 148°C)
EP - Ethylene Propylene, -65°F to 300°F (-54°C to 148°C)
FS - Fluorosilicone, -80°F to 350°F (-62°C to 176°C)
S - Silicone, -70°F to 450°F (-56°C to 232°C)
T - PTFE, -50°F to 350°F (-46°C to 176°C)
PTFE Seal may require back pressure to seal leak tight.

OPTIONS
Oxygen cleaning, alternative seals and other thread configurations, consult factory

Note: Viton™ and Krytox™ are trademarks of DuPont.

PROPER COMPONENT SELECTION – When specifying a component, the total system design must be considered to ensure safe and trouble-free performance. Intended component function, materials compatibility, pressure ratings, installation, environment and maintenance are the responsibility of the system designer.

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