

## Features

- Swivel input port
- Direct cylinder mount
- 10-32 (F) or 1/4 push-in pilot ports
- Plated for corrosion resistance
- Low cracking pressure
- Thread sealant standard on output ports



## Pilot Operated Check Valves

Designed for use in applications requiring an actuator to be locked in position, Pilot Operated Check Valves allow free flow from the input port through the output port. Supplying a pilot pressure to the valve allows flow in the opposite direction.

Pneumadyne's new Pilot Operated Check Valves are ideal for reliably holding an actuator position in a variety of applications. These rugged valves feature a 1/4 or 1/8 NPT output port which mounts directly on a cylinder, minimizing space requirements and easing installation. The input port swivels to accommodate valve alignment and contains a 1/4 push-in connection to speed tubing installation. 10-32 (F) and 1/4 push-in pilot ports are available to fit plumbing specifications.

### Mounting Method

Part Number	Direct Cylinder Mount	Max. Installation Torque
POC-41-F	1/8 NPT	5.1 ft-lbs
POC-61-F	1/8 NPT	5.1 ft-lbs
POC-68-F	1/4 NPT	12 ft-lbs
POC-68-6	1/4 NPT	12 ft-lbs

### Performance Data

Part Number	Temperature Range	Operating Pressure (psi)	Maximum Supply Pressure (psi)	Cv	Cracking Pressure (psi)				
						Flow Rate (scfm) 1-2		Flow Rate (scfm) 2-1	
						50 psi	100 psi	50 psi	100 psi
POC-41-F	0° to 160°F	15 to 150	150	.23	10	2.8	5.2	3.1	5.7
POC-61-F									
POC-68-F	-40° to 240°F	0 to 150	150	.35	less than .1	13	22	13	22
POC-68-6									

**Media:** Lubricated and non-lubricated air  
C<sub>v</sub> per ANSI / (NFPA) T3.21.3

### Materials

#### POC-41-F & POC-61-F

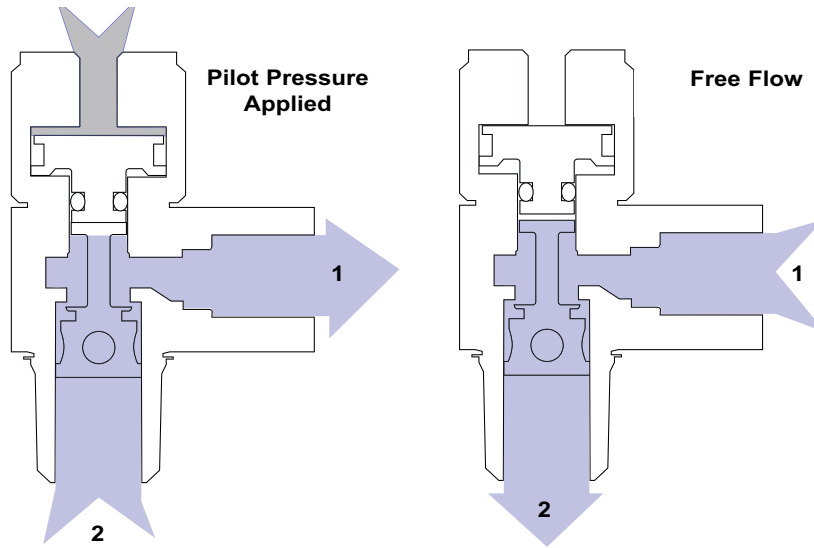
Body: Zinc Plated Brass & Anodized Aluminum  
Internal Components: Brass, Stainless Steel & Polyamide  
Seals: Buna-N  
Spring: Stainless Steel

#### POC-68-F & POC-68-6

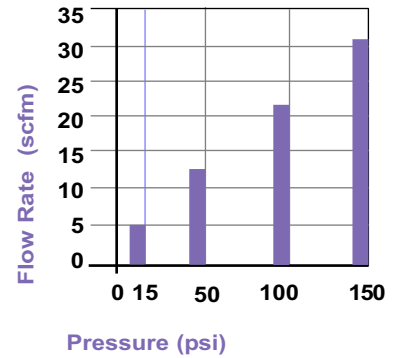
Body: Anodized Aluminum & Electroless Nickel Plated Brass  
Stem: Brass  
Seals: Buna-N  
Spring: Stainless Steel

*Ideal for reliably holding an actuator position in a variety of applications*

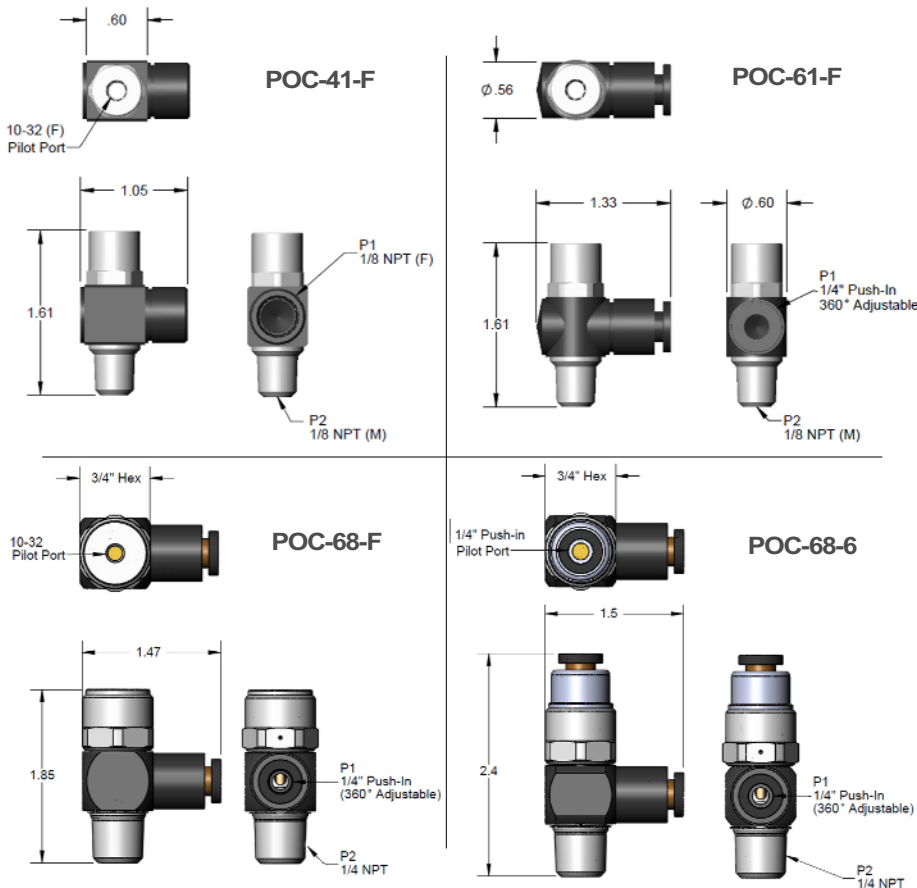
### Pilot Operated Check Valves Cross Section



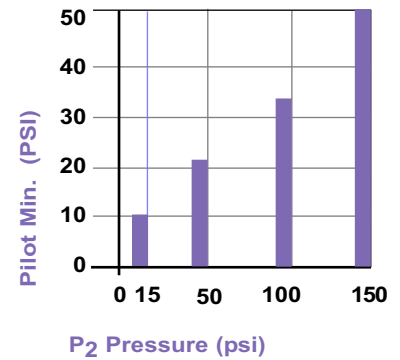
**Pilot Operated Check Valves  
Flow Chart: POC-68-F**



### Pilot Operated Check Valves



**Pilot Operated Check Valves  
Pilot Pressure- POC-68-F**



### Product Information

Part Number	Input	Output	Pilot
POC-41-F	1/8 NPT (F)	1/8 NPT	10-32 (F)
POC-61-F	1/4 PI	1/8 NPT	10-32 (F)
POC-68-F	1/4 PI	1/4 NPT	10-32 (F)
POC-68-6	1/4 PI	1/4 NPT	1/4 PI

### Ordering Information

- To order standard product refer to Product Information listing.
- Optional seals available - contact factory.