

# Clippard

## PQ Flow Control Series



PQ-FV In-Line Flow Controls can be easily added to existing circuitry and are lightweight and compact in size. Since it is a tube-to-tube connection, in-line flow controls may be installed as a meter-in or meter-out device.

The PQ-C Elbow Controls are ideal for low cost and lightweight applications when mounting directly to an NPT port on a cylinder or valve is required.

In the meter-out versions, intake air flows freely through the flow control; exhaust air is metered out through an adjustment screw. With the meter-in series, air is metered in through an adjustment screw; exhaust air flows freely. Control is varied through a finely threaded adjustment screw. A locking nut is provided so it can be secured in its final setting.

**Medium:** Air

**Pressure Range:** 0 to 150 psig

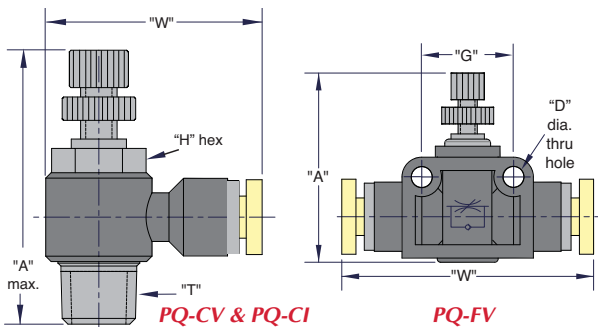
**Vacuum:** 0 to 29.5" Hg

**Ports:** #10-32, 1/8" NPT, 1/4" NPT, 3/8" NPT, 1/2" NPT

**Adjustment:** Knurled knob

**Material:** Nickel plated brass, plastic resin, stainless steel gripper ring, Nitrile seals

- Small, compact size
- Design flexibility and fast response
- Complete rotation of the valve body around the bolt allows for optimum positioning of tubing
- Special adjustment needle design allows large adjustment ranges with high precision
- Ideal for use with polyurethane, nylon, polyethylene and polypropylene tubing (see [www.clippard.com](http://www.clippard.com))



**Professionally Distributed by:**

### Right Angle Meter-Out Controls

Part No.	Tubing Size	Thread "T"	"H" Hex.	"A" Max.	"W"
<a href="#">PQ-CV04N</a>	1/8"	#10-32	5/16"	1.230	0.990
<a href="#">PQ-CV04P</a>	1/8"	1/8" NPT	7/16"	1.630	1.165
<a href="#">PQ-CV05N</a>	5/32"	#10-32	5/16"	1.210	0.990
<a href="#">PQ-CV05P</a>	5/32"	1/8" NPT	7/16"	1.570	1.130
<a href="#">PQ-CV08N</a>	1/4"	#10-32	5/16"	1.240	1.090
<a href="#">PQ-CV08P</a>	1/4"	1/8" NPT	7/16"	1.615	1.215
<a href="#">PQ-CV08Q</a>	1/4"	1/4" NPT	9/16"	1.900	1.360
<a href="#">PQ-CV12Q</a>	3/8"	1/4" NPT	9/16"	1.950	1.610
<a href="#">PQ-CV12W</a>	3/8"	3/8" NPT	3/4"	2.395	1.690
<a href="#">PQ-CV16Q</a>	1/2"	3/8" NPT	3/4"	2.270	1.745

### Right Angle Meter-In Controls

Part No.	Tubing Size	Thread "T"	"H" Hex.	"A" Max.	"W"
<a href="#">PQ-CI04N</a>	1/8"	#10-32	5/16"	1.230	0.990
<a href="#">PQ-CI04P</a>	1/8"	1/8" NPT	7/16"	1.630	1.165
<a href="#">PQ-CI05N</a>	5/32"	#10-32	5/16"	1.210	0.990
<a href="#">PQ-CI05P</a>	5/32"	1/8" NPT	7/16"	1.570	1.130
<a href="#">PQ-CI08N</a>	1/4"	#10-32	5/16"	1.240	1.090
<a href="#">PQ-CI08P</a>	1/4"	1/8" NPT	7/16"	1.615	1.215
<a href="#">PQ-CI08Q</a>	1/4"	1/4" NPT	9/16"	1.900	1.360
<a href="#">PQ-CI12Q</a>	3/8"	1/4" NPT	9/16"	1.950	1.610
<a href="#">PQ-CI12W</a>	3/8"	3/8" NPT	3/4"	2.395	1.690
<a href="#">PQ-CI16W</a>	1/2"	3/8" NPT	3/4"	2.270	1.745

### In-Line Controls

Part No.	Tubing Size	"D" Dia.	"G"	"A"	"W"
<a href="#">PQ-FV04</a>	1/8"	0.125	0.550	1.087	1.570
<a href="#">PQ-FV05</a>	5/32"	0.125	0.550	1.250	1.570
<a href="#">PQ-FV06M</a>	6 mm	0.170	0.787	1.683	1.952
<a href="#">PQ-FV08</a>	1/4"	0.170	0.787	1.739	2.010
<a href="#">PQ-FV08M</a>	8 mm	0.170	0.860	1.744	2.173
<a href="#">PQ-FV12</a>	3/8"	0.170	1.023	2.105	2.520
<a href="#">PQ-FV16</a>	1/2"	0.170	1.260	2.156	2.881

dimensions are in inch increments

## Clippard Instrument Laboratory, Inc.

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