

# Pneumatic Damper Actuators

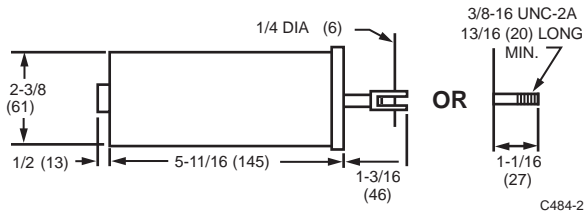
## MP909D Pneumatic Damper Actuator



Used for pneumatic proportional control of variable volume terminal units and small damper. Available in various operating ranges for either individual or sequence operation with other actuators. Replacement devices are available for Johnson, Powers, Robertshaw, and older Honeywell actuator models.

- Rugged ribbed aluminum body.
- Low-friction shaft bearing.
- Close tolerance on operating range and stroke.
- Protected barb connector.
- Versatile mounting and connecting hardware options.
- Positive leakproof seal.

### Dimensions in inches (millimeters)



**Actuator Type:** Damper

**Actuator Force:** Low

**Fail Safe Mode:** Spring Return

**Diaphragm Effective Area:** 3 sq in. (19.4 sq cm)

**Temperature Range:** 50 F to 140 F (10 C to 60 C)

**Maximum Operating Pressure:** 30 psi (207 kPa)

**Humidity Range:** 5 to 95% RH

### Approvals:

**Underwriters Laboratories, Inc:** Components Recognized: Report R18118

### Accessories:

**14002850-001**-Angle Bracket 5 3/8 in, 137 mm, long, 5 in, 127 mm, wide

**14003640-001**-Angle Bracket 3 in. (76 mm) long, 3 3/4 in. (95 mm) wide, 2 3/4 in. (70 mm) high

**312867C**-Damper Crank Arm for 1/2 in. (12.7mm) diameter axle.

Elongated slot for linkage connection. Slot scaled for 45-60-75-90 degrees

**315321**-Crankarm Balljoint (with 1/4 in male threads), fits 5/16 in. diameter pushrod

**315781**-Motor shaft balljoint with 3/8 - 16 UNC female threads, fits 5/16 inch diameter pushrods.

**26025B**-Damper crank arm for 3/8 in. (9.5 mm) diameter axle.

Elongated slot for linkage connection. Slot scaled for 40-50-60-75-90 degrees.

**27174B**-Damper crank arm for 7/16 in. (11.1 mm) diameter axle.

Elongated slot for linkage connection. Slot scaled for 40-50-60-75-90 degrees.

**27520C**-Push Rod (5/16 in. dia., 12 in. length)

**27520G**-Push Rod (5/16 in. dia., 24 in. length)

**27520K**-Push Rod (5/16 in. dia., 36 in. length)

**27520L**-Push Rod (5/16 in. dia., 48 in. length)

**27520K**-Push Rod (5/16 in. dia., 36 in. length)

**27520L**-Push Rod (5/16 in. dia., 48 in. length)

Product Number	Air Connections	Spring Range		Stroke		Includes
		(psi)	(kPa)	(inch)	(mm)	
MP909D1201/U	Barbed fitting for 3/32 in. O.D. tubing	3 psi to 8 psi	21 kPa to 55 kPa	2.4 in.	61 mm	Actuator only. 3/8 in.-16 Threaded Shaft. No Mounting Bracket or Ball Joint
MP909D1219/U	Barbed fitting for 3/32 in. O.D. tubing	8 psi to 13 psi	55 kPa to 90 kPa	2.4 in.	61 mm	Actuator only. 3/8 in.-16 Threaded Shaft. No Mounting Bracket or Ball Joint
MP909D1227/U	Barbed fitting for 3/32 in. O.D. tubing	5 psi to 10 psi	34 kPa to 69 kPa	2.4 in.	61 mm	Actuator only. 3/8 in.-16 Threaded Shaft. No Mounting Bracket or Ball Joint
MP909D1318/U	Barbed fitting for 3/32 in. O.D. tubing	8 psi to 13 psi	55 kPa to 90 kPa	2.4 in.	61 mm	14002850-001 - External Mounting Bracket with Balljoint
MP909D1334/U	Barbed fitting for 3/32 in. O.D. tubing	5 psi to 10 psi	34 kPa to 69 kPa	2.4 in.	61 mm	14003640-001 - 90 degree Angled Mounting Bracket with Ball Joint
MP909D1367/U	Barbed fitting for 3/32 in. O.D. tubing	5 psi to 10 psi	34 kPa to 69 kPa	3 in.	76 mm	Actuator only. 3/8 in.-16 Threaded Shaft. No Mounting Bracket or Ball Joint
MP909D1441/U	Barbed fitting for 3/32 in. O.D. tubing	5 psi to 10 psi	34 kPa to 69 kPa	3 in.	76 mm	Small clevis on shaft. No mounting bracket or ball joint
MP909D1474/U	Barbed fitting for 1/4 in. O.D. tubing	5 psi to 10 psi	34 kPa to 69 kPa	2.4 in.	61 mm	Actuator only. 3/8 in.-16 Threaded Shaft. No Mounting Bracket or Ball Joint
MP909D1508/U	Barbed fitting for 1/4 in. O.D. tubing	8 psi to 13 psi	55 kPa to 90 kPa	2.4 in.	61 mm	Actuator only. 3/8 in.-16 Threaded Shaft. No Mounting Bracket or Ball Joint
MP909D1516/U	Barbed fitting for 1/4 in. O.D. tubing	5 psi to 10 psi	34 kPa to 69 kPa	2.4 in.	61 mm	Actuator only. 3/8 in.-16 Threaded Shaft. No Mounting Bracket or Ball Joint
MP909D1524/U	Barbed fitting for 1/4 in. O.D. tubing	5 psi to 10 psi	34 kPa to 69 kPa	3 in.	76 mm	31578 ball joint and 14003640-001 - 90 degree Angled Mounting Bracket

Pneumatic Controls