

Pneumatic Damper Actuators

MP913 Pneumatic Variable Volume Damper Actuator



Provides proportional control of variable volume dampers in small high velocity mixing boxes. Replacement devices are available for Johnson and Robertshaw devices. Suitable for direct replacement only, do not attempt to replace larger damper actuators with this unit.

- Compact in size.
- Neoprene rolling diaphragm.
- The MP913 Operator can be used with or without a crankarm.

Actuator Type: Damper

Dimensions, Approximate: 2 5/8 in. high (add 3/4 in. for shaft) x 2 1/4 in. diameter (67 mm high (add 19 mm for shaft) x 57 mm diameter)

Actuator Force: Low

Fail Safe Mode: Spring Return

Air Connections: Barbed fitting for 1/4 in. O.D. plastic tubing

Stroke: 1 in. (25 mm)

Diaphragm Effective Area: 2.2 sq in. (14 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

Accessories:

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)

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.

Product Number	Spring Range		Includes
	(psi)	(kPa)	
MP913A1003/U	10 psi to 15 psi	69 kPa to 103 kPa	14002808-001 - Flat Mounting Bracket. Shaft has 1/8 in. diameter hole for a roll pin.
MP913A1011/U	10 psi to 15 psi	69 kPa to 103 kPa	14003640-001 - 90 degree Angled Mounting Bracket and 3/8 in.-16 Threaded Shaft
MP913A1029/U	5 psi to 10 psi	34 kPa to 69 kPa	14003640-001 - 90 degree Angled Mounting Bracket and 3/8 in.-16 Threaded Shaft
MP913A1037/U	5 psi to 10 psi	34 kPa to 69 kPa	14003640-001 - 90 degree Angled Mounting Bracket. Shaft has 1/8 in. diameter hole for a roll pin.
MP913A1177/U	3 psi to 13 psi	21 kPa to 90 kPa	14002809-001 - 90 degree Angled Mounting Bracket (3-point attachment) and 3/8 inch - 16 threaded shaft