

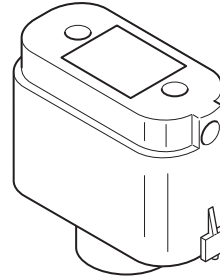
# MK-2690

## Pneumatic Valve Actuator

For proportional pneumatic control of 1/2 in. to 2 in. VB-7xxx Series valves (subject to close-off ratings) and discontinued 1/2 in. to 1-1/4 in. VB-9xxx valves.

**Features:**

- Compact size with 6 in.<sup>2</sup> (39 cm<sup>2</sup>) effective area.
- Rugged die cast aluminum housing.
- Replaceable beaded molded neoprene diaphragm.



Model Chart		
Model No.	Nominal Spring Range <sup>a</sup> (Spring Color Code)	
	psig	kPa
MK-2690	3 to 7 (Yellow)	21 to 48
	5 to 10 (Black)	34 to 69
	8 to 13 (Blue)	55 to 90

<sup>a</sup> Nominal (no load) condition, spring ranges based on 1/2 in. (13 mm) maximum stroke, provided by AV-7400 or AV-400 linkage (order separately).

Specifications	
<b>Inputs Compatible with</b>	Proportional pneumatic signal. Refer to Model Chart.
<b>Start point</b>	Non-adjustable.
<b>Air connections</b>	1/8 in. FNPT located on side of housing.
<b>Mechanical Outputs</b>	
<b>Stroke</b>	1/2 in. (12.6 mm) nominal.
<b>Environment</b>	
<b>Ambient temperature limits</b>	Shipping: -40 to 220°F (-40 to 104°C). Operating: -20 to 220°F (-29 to 104°C).
<b>Humidity</b>	5 to 95% RH, non-condensing.
<b>Maximum air pressure</b>	30 psig (207 kPa).
<b>Spring</b>	Stainless steel spring retracts actuator shaft and raises valve stem on loss of air pressure. Springs provided in AV-400 or AV-7400 linkage (order separately).
<b>Dimensions</b>	3-9/16 H x 5 W x 2-1/4 D in. (90 x 127 x 57 mm).

Accessories	
<b>Model No.</b>	<b>Description</b>
AK-42309-500	Positive positioner and linkage.
AV-400	Valve linkage (includes parts for VB-7xxx and discontinued 1/2 to 1-1/4 in. VB-9xxx valves).
AV-7400	Valve linkage for VB-7xxx valves only.
TOOL-095-1	Pneumatic calibration tool kit.
<b>Maintenance Parts</b>	
PNV-144-043	Yellow 3 to 7 psig spring.
PNV-145-045	Black 5 to 10 psig spring.
PNV-145-048	Blue 8 to 13 psig spring.
PNV-102-1	Diaphragm.
PNV-103-3	Lower housing.