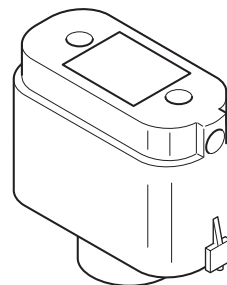


Pneumatic Valve Actuator

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

Features:

- Compact size with 6 in.² (39 cm²) effective area.
- Rugged die cast aluminum housing.
- Replaceable beaded molded neoprene diaphragm.



Model Chart

Model No.	Nominal Spring Range ^a (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

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

Specifications

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

Accessories

Model No.	Description
AK-42309-500	Positive positioner and linkage; use with MK-2690-0-0-1 or MK-2690-0-0-2 models only.
AV-400	Valve linkage (includes parts for VB-7XXX and VB-9XXX valves).
AV-7400	Valve linkage for VB-7XXX valves only.
TOOL-95-1	Pneumatic calibration tool kit.
PNV-144-043	3 to 7 yellow spring.
PNV-145-044	5 to 10 black spring.
PNV-145-043	8 to 13 blue spring.
PNV-102-1	Diaphragm.