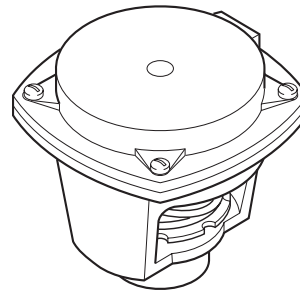


## Valve Actuators, Proportional

For proportional pneumatic actuator with 11 sq. in. (71 cm<sup>2</sup>) effective diaphragm area used to control 1/2 in. to 2 in. VB-7XXX series valves and SP-3XX00 step controllers.



**Features:**

- Rugged die cast aluminum construction.
- Rolling diaphragm.
- Multiple spring ranges for various applications.
- Adjustable start point (refer to Specifications).
- 1/2 in. nominal stroke.
- Can also be used on 1/2" stroke obsolete VB-9000's (1-1/2" and 2").

Model Chart		
Model No.	Nominal Spring Range <sup>a</sup>	
	psig	kPa
MK-4601	3 to 6	21 to 41
MK-4611	5 to 10	34 to 69
MK-4621	10 to 13	69 to 90
MK-4621-422	10 to 11.25	69 to 77
MK-4641	3 to 13	21 to 90

<sup>a</sup> Nominal (no load) spring ranges based on 1/2 in. (13 mm) maximum stroke.

Specifications	
<b>Construction</b>	
Housing	Die cast aluminum.
Diaphragm	Replaceable beaded molded neoprene (Part number PNV-2).
Stroke	1/2 in. (25.4 mm) nominal.
Spring	Retracts actuator shaft and raises valve stem on loss of air pressure.
Nominal spring range	Refer to Model Chart.
Starting point	Field adjustable.
MK-4601, MK-4621	+1/2 psig (7 to 14 kPa).
MK-4611, MK-4641	±2 psig (14 kPa).
Maximum air pressure	30 psig (207 kPa).
<b>Ambient temperature limits</b>	
Shipping	-40 to 220°F (-40 to 104°C).
Operating	-20 to 220°F (-29 to 104°C).
Air connections	1/8 in. FNPT.
Valve linkage	Order separately AV-401.
Mounting	In any upright position with actuator head above the center line of the valve body.
Dimensions	3-7/8 H x 4-3/4 W x 4-3/4 D in. (99 x 121 x 121 mm).

Accessories	
Model No.	Description
AK-42309-500	Positive positioner and linkage; use with MK-46X1-XXX-0-2.
TOOL-95-1	Pneumatic calibration tool kit.