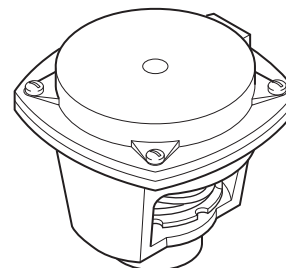


Valve Actuators, Proportional

For proportional pneumatic actuator with 11 sq. in. (71 cm²) effective diaphragm area used to control 1/2 in. to 2 in. VB-7xxx series valves.

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 discontinued VB-9xxx series valves (1/2" to 1-1/4").



Model Chart		
Model No.	Nominal Spring Range ^a	
	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

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

Specifications	
Construction	
Housing	Die cast aluminum.
Diaphragm	Replaceable beaded molded neoprene (Part number PNV-002).
Stroke	1/2 in. (12.7 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, MK-4621-422	±1/2 psig (7 to 14 kPa).
MK-4611, MK-4641	±2 psig (±14 kPa).
Maximum air pressure	30 psig (207 kPa).
Ambient temperature limits	
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).

MK-46xx Series

Accessories

Part Number	Description
AK-42309-500	Positive positioner and linkage; use with MK-46x1.
TOOL-095-1	Pneumatic calibration tool kit.
Linkage	
AV-401	Valve linkage.
Maintenance Parts	
PNV-002	Diaphragm.
PNV-251	High temperature diaphragm.
PNV-238	Brown, 3 to 8 psi spring.
PNV-045-44	Black, 3 to 8 psi or 5 to 10 psi spring.
PNV-045-48	Light, blue 8 to 13 psi spring.
PNV- 239	Gray, 10 to 13 psi spring.
PNV-050-43	White, 3 to 13 psi spring.