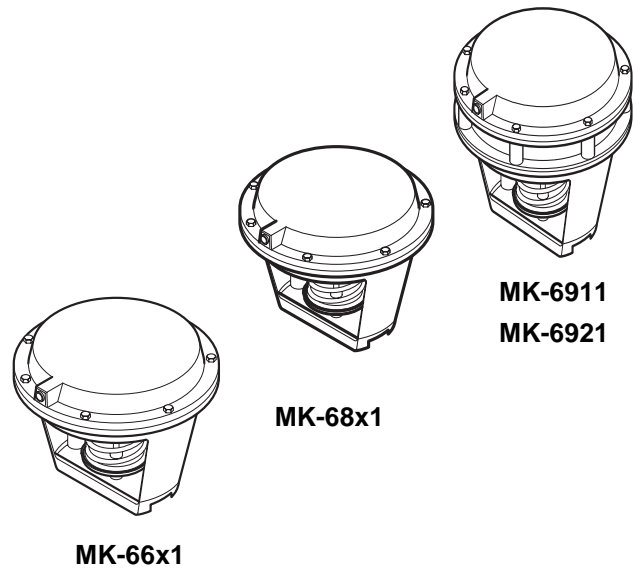


## Valve Actuators, Proportional

Proportional pneumatic actuator with 50 sq. in. (323 cm<sup>2</sup>) effective diaphragm area used to control 1-1/2 in. to 2 in. VB-7xxx series, 2-1/2 in. to 5 in. VB-8xxx series, 2-1/2 in. to 4 in. discontinued VB-9xxx series and 4 in. to 6 in. discontinued VB-9323 series valves.

Features:

- Rugged die cast aluminum construction.
- Rolling diaphragm.
- Three spring ranges for various applications.
- Start point adjustable  $\pm 2$  psi.



Model Chart			
Model No.	Nominal Spring Range <sup>a</sup>		Nominal Stroke in. (mm)
	psig	kPa	
MK-6601	3 to 8	21 to 55	1/2 (13.7)
MK-6611	5 to 10	34 to 69	1/2 (13.7)
MK-6621	8 to 13	55 to 90	1/2 (13.7)
MK-6801	3 to 8	21 to 55	1 (25.4)
MK-6811	5 to 10	34 to 69	
MK-6821	8 to 13	55 to 90	
MK-6911 <sup>bc</sup>	5 to 10	34 to 69	1-1/2 (33.1)
MK-6921 <sup>b</sup>	8 to 13	55 to 90	1-1/2 (33.1)

<sup>a</sup> Nominal (no load) spring ranges based on maximum 1/2 in. (13.7 mm), 1 in. (25.4 mm) or 1-1/2 in. (33.1 mm) stroke for MK-6911.

<sup>b</sup> MK-6911 is only used on 6 in. VB-8xx3-0-5-16. MK-6911 and MK-6921 were used on discontinued 4 to 6 in. VB-9323-0-5-x.

<sup>c</sup> Recommended for field replacements only where 20 psi air supply pressure is not available and/or required close-off pressure is less than 125 psi.

Specifications	
<b>Construction</b>	
Housing	Die cast aluminum.
Diaphragm	Replaceable beaded molded neoprene (Part number PNV-202).
Stroke	Refer to Model Chart.
Spring	Retracts actuator shaft and raises valve stem on loss of air pressure.
Nominal spring range	Refer to Model Chart.
Starting point	Adjustable $\pm 2$ 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	Refer to Accessories (order separately).
Mounting	In any upright position with actuator head above the center line of the valve body.
Dimensions	7-3/4 H x 10-1/2 W x 10-1/2 D in. (199 x 267 x 267 mm).

# MK-6xxx Series

## Accessories

<b>Model No.</b>	<b>Description</b>
AK-42309-500	Positive positioner and linkage.
TOOL-075	Spring compression tool.
TOOL-095-1	Pneumatic calibration tool kit.
<b>Linkage</b>	<b>Valve Body Series</b>
AV-430	VB-7xx3, 1-1/2 to 2 in.
	VB-7xx4, 1-1/2 to 2 in.
	VB-9323, 2-1/2 to 6 in. (discontinued).
AV-495	VB-9213, 2-1/2 to 4 in.(discontinued).
	VB-9223, 2-1/2 to 4 in.(discontinued).
	VB-9313, 2-1/2 to 4 in.
AV-497	VB-8213, 2-1/2 to 6 in.
	VB-8223, 2-1/2 to 6 in.
	VB-8303, 2-1/2 to 6 in.
<b>Maintenance Parts</b>	
<b>MK-68xx Series (1 in. stroke)</b>	
PNV-245-103	3 to 8 psig spring.
PNV-245-105	5 to 10 psig spring.
PNV-245-108	8 to 13 psig spring.
<b>MK-66xx Series (1/2 in. stroke)</b>	
PNV-245-013	3 to 8 psig spring.
PNV-245-015	5 to 10 psig spring.
PNV-245-018	8 to 13 psig spring.
<b>MK-69xx Series (1-1/2 in. stroke)</b>	
PNV-245-148	8 to 13 psig spring.
PNV-245-145	5 to 10 psig spring.
<b>All Series</b>	
PNV-202	Diaphragm.