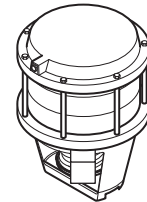


## Valve Actuators, Proportional

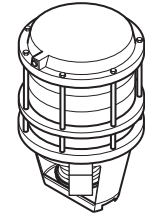
Proportional pneumatic actuator with 100 in.<sup>2</sup> (645 cm<sup>2</sup>) effective area. MK-88xx Series used to control 2-1/2 in. through 4 in. valves requiring 1 in. stroke. MK-89xx Series used to control 5 in. and 6 in. valves requiring 2 in. nominal stroke. Used with VB-931x, and discontinued VB-921x, and VB-922x valves.

Features:

- Heavy duty aluminum construction.
- Large diaphragm area provides the required force to modulate large valves.
- Valve stroke indicated in 1/8 in. increments.



MK-88xx Series



MK-89xx Series

Model Chart					
Model No.	Nominal Spring Range <sup>a</sup>		Nominal Stroke		For Use with Valve Bodies
	psig	kPa	in.	mm	
MK-8801	3 to 8	21 to 55	1	25.4	2-1/2 to 4 in. VB-9213 VB-9223 VB-9313
MK-8811	5 to 10	34 to 69			
MK-8821	8 to 13	55 to 90			
MK-8901	3 to 8	21 to 55	2	50.8	5 in. and 6 in. VB-9213 VB-9223 VB-9313
MK-8911	5 to 10	34 to 69			
MK-8921	8 to 13	55 to 90			

<sup>a</sup> Nominal (no load) spring ranges are based on maximum 1 in. (25.4 mm) or 2 in. (50.8 mm) stroke.

Specifications	
<b>Construction</b>	
Housing	Die cast aluminum.
Diaphragm	Replaceable beaded molded neoprene.
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 ±1 psi (±7 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 connection	1/8 in. FNPT.
Valve linkage	Order separately AV-496.
Valve stroke position indication	1/8 in. (3 mm) increments.
Mounting	In any upright position with actuator head above 45° of the center line of the valve body.
<b>Dimensions</b>	
MK-88xx Series	11-3/4 H x 10-1/2 W x 10-1/2 D in. (298 x 267 x 267 mm).
MK-89xx Series	12-3/4 H x 10-1/2 W x 10-1/2 D in. (342 x 267 x 267 mm).

# MK-88xx Series, MK-89xx Series

## Accessories

<b>Part Number</b>	<b>Description</b>
AK-42309-500	Positive positioner with linkage.
TOOL-095-1	Pneumatic calibration tool kit.
<b>Linkage</b>	
AV-496	Valve linkage.
<b>Maintenance Parts</b>	
PNV-202	Diaphragm (2 required).
PNV-312	Rolling diaphragm.