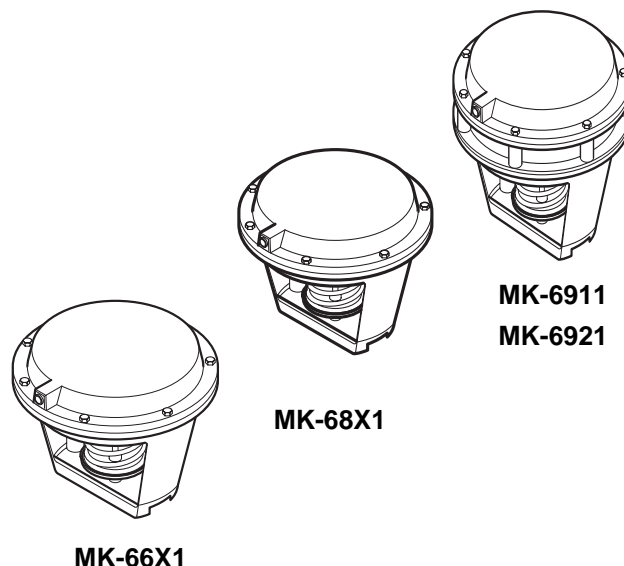


Valve Actuators, Proportional

For proportional pneumatic actuator with 50 sq. in. (323 cm²) effective diaphragm area used to control 1-1/2 in. to 2 in. VB-7XXX series, 2-1/2 in. to 4 in. VB-9XXX series and 4 in. to 6 in. VB-9323 series valves.

Features:

- Rugged die cast aluminum construction.
- Rolling diaphragm.
- Three spring ranges for various applications.
- Start point adjustable ± 2 psi.
- 1 in. nominal stroke (1-1/2 in. for MK-6911).



Model Chart			
Model No.	Nominal Spring Range ^a		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 ^{bc}	5 to 10	34 to 69	1-1/2 (33.1)
MK-6921 ^b	8 to 13	55 to 90	1-1/2 (33.1)

^a 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.

^b Used on VB-9323-0-5-14, 15, 16 only.

^c 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	
Construction	
Housing	Die cast aluminum.
Diaphragm	Replaceable beaded molded neoprene (Part number PNV-2).
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 ± 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	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-66X1 Series, MK-68X1 Series, MK-6911, MK-6921

Typical Applications

Model No.	Description
AK-42309-500	Positive positioner and linkage.
TOOL-75	Spring compression tool.
TOOL-95-1	Pneumatic calibration tool kit.
Linkage	Valve Body Series
AV-430-0-0-1	VB-7XX3, 1-1/2 to 2 in.
	VB-7XX4, 1-1/2 to 2 in.
	VB-9323, 2-1/2 to 6 in.
AV-495	VB-9213, 2-1/2 to 4 in.
	VB-9223, 2-1/2 to 4 in.
	VB-9313, 2-1/2 to 4 in.
MK-6700 and MK-6800 Series	
PNV-245-103	3 to 8 green spring.
PNV-245-105	5 to 10 black spring.
PNV-245-108	8 to 13 blue spring.
MK-6600 Series	
PNV-245-013	3 to 8 green spring.
PNV-245-015	5 to 10 black spring.
PNV-245-018	8 to 13 blue spring.
MK-6900 Series	
PNV-245-148	8 to 13 blue spring.
PNV-245-145	5 to 10 black spring.
All Series	
PNV-202	Diaphragm.