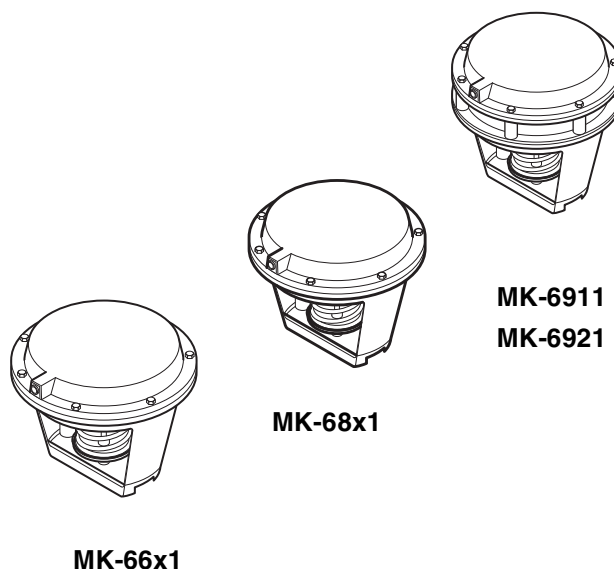


Valve Actuators, Proportional

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 6 in. VB-8xxx series, 2-1/2 in. to 6 in. VB-9xxx series,

Features:

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



| 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 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.

^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-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 ± 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-6xxx Series

Accessories

| Part Number | Description |
|--------------------------|---|
| AK-42309-500 | Positive positioner and linkage. |
| TOOL-095-1 | Pneumatic calibration tool kit. |
| Linkage | Valve Body Series |
| 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. |
| Maintenance Parts | |
| PNV-202 | Diaphragm. |
| PNV-245-013 | Green, 3 to 8 psi spring. |
| PNV-245-015 | Gray or black, 5 to 10 psi spring. |
| PNV-245-018 | Blue, 8 to 13 psi spring. |