

Description

The KMC CMC-1001 non-metallic positive positioner is designed to work with KMC pneumatic damper actuators. CMC-1001s can be factory-mounted or field-installed on 3", 4", or 6" stroke actuators.

The CMC-1001 is designed to be used with actuators containing an 8 to 13 psi spring so that equal force can be obtained on both power and return strokes. The CMC-1001 replaces positioners on any MCP actuator with the digit 1 in the fifth position (MCP-xxxx-1xxx).

The start-point is adjustable from 3 to 10 psi. The overall span is a direct function of the selected feedback spring, which is ordered separately (see Accessories section).

NOTE: For all 3" and 4" actuators, insert the (included) VTD-2500 restrictor in the line between Port #1 and the actuator. The restrictor is not needed on 6" actuators.

Features

- ◆ Factory mounted or field installed on 3", 4", or 6" stroke actuators
- ◆ Adjustable start point
- ◆ Adjustable overall span (with choice of spring)

Accessories

| | |
|----------|--|
| VTD-1500 | Feedback arm |
| VTD-2250 | Spring, 3" stroke, 5 psi span |
| VTD-2282 | Spring, 3" stroke, 7 psi span |
| VTD-2260 | Spring: 3" stroke, 10 psi span |
| VTD-2251 | Spring, 4" stroke, 5 psi span |
| VTD-2261 | Spring, 4" stroke, 10 psi span |
| VTD-2272 | Spring, 6" stroke, 3 psi span |
| VTD-2252 | Spring, 6" stroke, 5 psi span |
| VTD-2262 | Spring, 6" stroke, 10 psi span |
| VTD-2500 | Replacement in-line restrictor (for CMC-1001 use with 3" and 4" actuators) |



Still... Made in the U.S.A.



RoHS
COMPLIANT

Specifications

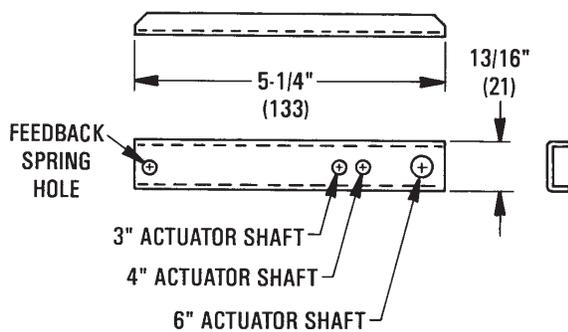
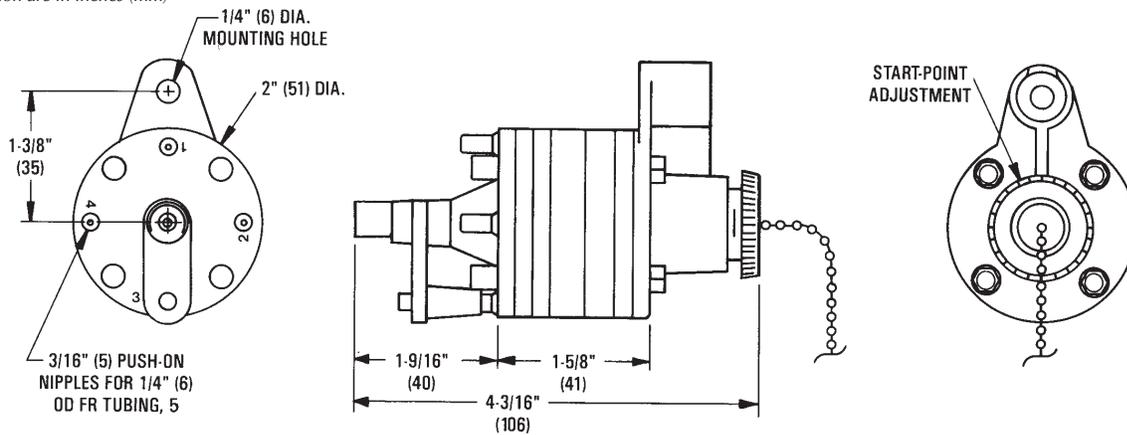
| | |
|---------------------------|---|
| Supply Pressure | 20 to 30 psi (138 to 207 kPa) |
| Air Consumption | 14.4 scim @ 20 psi (3.93 mL/s @ 138 kPa) |
| Connections | 3/16" (5 mm) nipples for 1/4" (6 mm) O.D. polyethylene tubing |
| Port Markings | |
| Center | Supply Pressure |
| "1" | Output to Actuator |
| "2" | Signal Input |
| Material | |
| Body | Flame-retardant plastic |
| Diaphragms | Neoprene |
| Output Capability | 0 to supply pressure |
| Weight | 4 oz. (113 grams) |
| Approvals | RoHS compliant |
| Temperature Limits | |
| Operating | 40 to 120° F (4 to 49° C) |
| Shipping | -40 to 140° F (-40 to 60° C) |

⚠ CAUTION

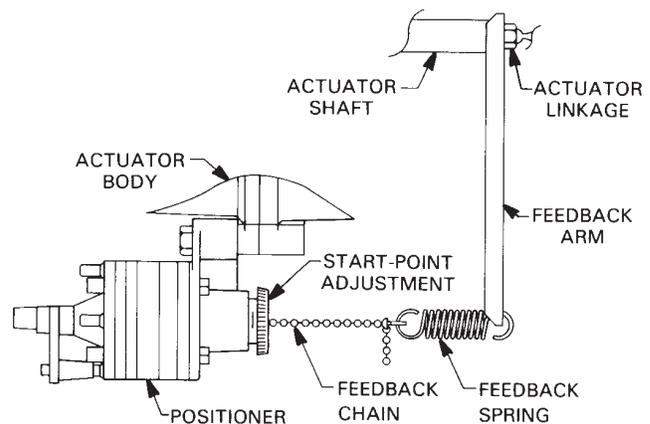
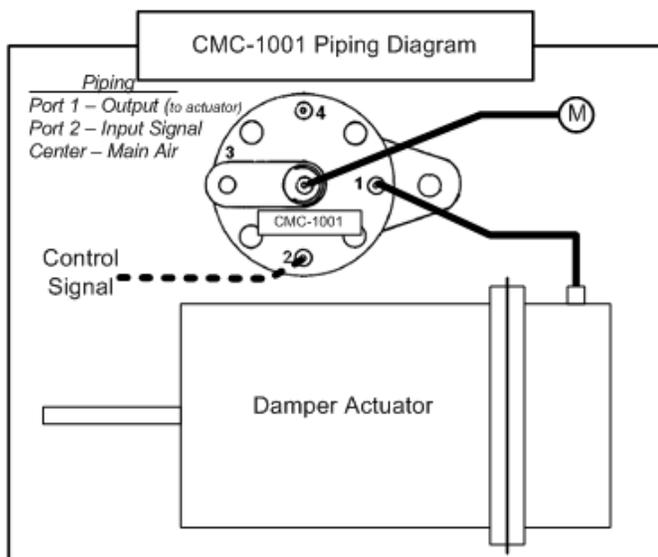
Pneumatic devices must be supplied with clean, dry control air. Any other medium (e.g., oil or moisture contamination) will cause the device to fail.

Details

All dimension are in inches (mm)



| ACTUATOR STROKE | FEEDBACK SPRINGS | |
|-----------------|------------------|-------------|
| | 5 PSI SPAN | 10 PSI SPAN |
| 3" | VTD-2250 | VTD-2260 |
| 4" | VTD-2251 | VTD-2261 |
| 6" | VTD-2252 | VTD-2262 |



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