

MODULAR VALVE POSITIONER



The Modular Valve Positioner (MVP) is a self-contained, bi-directional valve positioner used for fluid selection and redirection. You can choose from two models, digital or RS-232 serial, based on your communication method with the MVP.

Two Model Choices

The digital MVP is controlled by equipment with transistor-transistor logic (TTL) or switch closure outputs. Six valve position modes are available. In contrast, the serial MVP is designed for applications requiring RS-232 serial communication. With serial command, up to 16 serial MVPs can be daisy-chained. It can be programmed using simple ASCII commands for six defined valve position modes.

Valve Options

Easily remove and replace the valves for different valve configurations. Choose from valves with two to eight ports. Valves are available in chemically inert PTFE, CTFE and ceramic flow paths.

You can be assured of accurate valve port alignment and location with the valve position indicator and the encoder regulated DC stepper motor.

MVP SPECIFICATIONS

Rotational Speed:	20 RPM (3 seconds full revolution)	
Power Requirements:	24 VDC (+15%, -5%) @ 1A maximum With 24 VDC adapter - 90-260 VAC/47-440 Hz Without adapter - 24VDC +/- 5% at 800 mA	
Communication Interface:	RS-232 at 1200, 2400, 4800, and 9600 Baud Digital I/O-TTL, 8 inputs and 8 outputs	
Weight without cover:	1.15 lbs. (0.52 kg) without power adapter	
Height without cover:	4.4 in. (11.2 cm)	
Width without cover:	2.4 in. (6.1 cm)	
Depth without cover:	4.23 in. (10.7 cm) without valve	
Valve Type:	HV "Snap-in, Snap-Out"	
Fluid Path:	TEFLON® PTFE, (CTFE) and ceramic	
Valve Drive:	Type: Speed:	Stepper motor with encoder 750 ms @ 90°
Environment:	Operating Temperature: Operating Humidity: Storage Temperature: Storage Humidity:	15 °C to 35 °C 20% to 90%, non-condensing -20 °C to 70 °C 20% to 95%, non-condensing



