

HB Control Valves

MVP3500 Digital Positioners

PNEUMATIC ACTUATORS

for 2-Way or 3-Way Pneumatically-Actuated Valves




HB-Series Control Valve
shown with
MVP3500 Positoner
with Gauge Blocks (included)
optional Stainless Steel
50in² Actuator

The **MVP3500** is a digital positioner that mounts to the pneumatic actuator of control valves to improve accuracy and increase maximum close-off pressure capability of the valve. Digital positioners use piezo-electric valves for the air supply which limit leakage, making them much more efficient than electro-pneumatic positioners.

Set-up and calibration are also greatly simplified by the use of local push-buttons and LCD, eliminating the need for expensive handheld devices for basic set up and calibration. The **MVP3500** comes standard with 4-20mV feedback, Hart communication, gauge blocks and gauges.

The **MVP3600** is an Explosion-Proof model.

SPECIFICATIONS

Model	MVP3500
	
Signal	4-20mA
Feedback	4-20mA
Supply Pressure	22 - 101 PSIG
Air Consumption	.020 SCFM
Ambient Temperature Range	-40° - 158 ° F
Rotation Range	30° - 120 ° F
Linear Stroke Range	0.39 - 3.94 in.
Characteristics Curves	Linear, 1:30, 30:1, Custom
Deadband	0.1% - 10% Adjustable
Communication	HART
Enclosure Rating	IP65
Air Connections	1/4" NPT
Electrical Connections	1/2" NPT
Explosion Protection	Ex ia IIC T4-T6 Ga Ex iaD 20 T80 ° C/T95 ° C/T130 ° C
	MVP3600
	ATEX: Ex d IIC T4 - T6 Ga Ex td A21 IP65 T80 ° C / T90 ° C / T105 ° C

HB Series "SMART" Positoner Options

Model Code	Features	Weight lbs.	Options	
			Model Code	Description
MVP3500L-10H-KF0-M00-EWM	Standard Digital (Single-Action), 4-20mV Feedback - Included: HART Communication, Gauge Blocks & Gauges.	5	All Options Included	
MVP3600L-1PH-F0-M00-EWM	Explosion Protection Digital (Single-Action), 4-20mV Feedback Included: HART Communication, Gauge Blocks & Gauges.	5		