

CE100 Series Electro-Pneumatic Positioners

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

Valve Positioners (Electro-Pneumatic)

The **CE100 Series Electro-Pneumatic Positioners** improve control accuracy and increase maximum close-off pressure capability of the valve. The Positioner is mounted to the valve's yoke assembly and linked to the valve stem. It receives a transduced air signal or direct electrical signal from the electronic controller and compares the control signal to the actual position of the valve plug. The Positioner then sends a corrected air signal to the valve's actuator, thereby positioning the valve plug for optimum flow modulation.

The **Electro-Pneumatic Positioner** receives an electrical 4-20 mA signal directly from the PID Controller and therefore eliminates the need for a separate I/P Transducer.

	Electro-Pneumatic CE100
Input Signal	4-20 mA
Supply Air Pressure	20 to 100 PSIG
Action	Single-Acting
Air Connection	1/4" NPT (Gauge 1/8" NPT)
Electrical Connection	1/2" NPT
Pressure Gauges	Included
Cam	Linear Characteristics
Ambient Temperature	-4° to 185° F (-20° - 83° C)
Enclosure Material	Die Cast Aluminum
Enclosure Rating	IP65 (dust and drip-proof)
Weight	4.8 lbs. (2.2 kg)
Optional Explosion Protection	ATEX: D = Gas Ex d P = Gas/Dust Ex d E = Gas Ex ia
Linear Error	0.7% full span
Hysteresis	0.4% full span
Repeatability	0.3% full span
Media	Oil-free instrument Air Filtered to 5 micron
Flow Capacity	SCFM
@20 PSI	9.5
@87 PSI	28.3
Air Consumption	SCFM
@20 PSI	0.2
@87 PSI	0.6

**HB-Series Control Valve**

shown with
CE100 Positoner
and TA987 Air/Filter Regulator

CE100 Electro-Pneumatic Positioner Options

Type	Model Code	Features	Weight lbs.	Explosion Protection Options	
				Suffix Code	Description
Standard	CE100	Electro-Pneumatic	5	-D	ATEX: Gas Ex d
				-P	ATEX: Gas/Dust Ex d
				-E	ATEX: Gas Ex ia