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VALVE AUTOMATION SYSTEMS

www.elo-matic.com  
**EL-O-MATIC**®

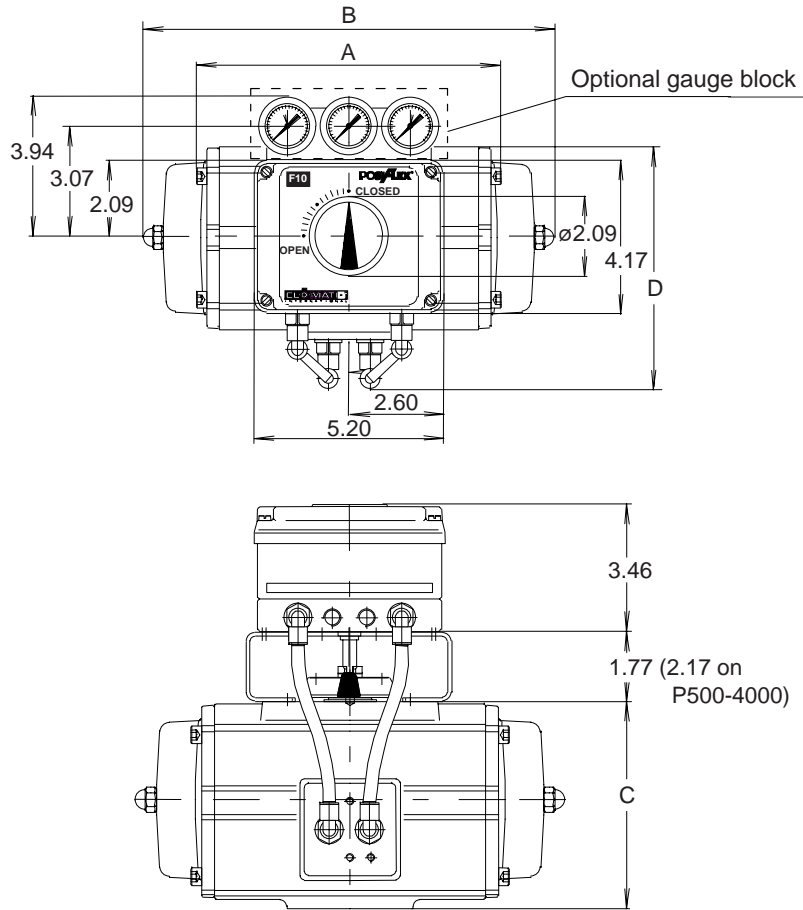
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A 3.301.1

N.:

Date:

March '06



**Note:**

- Dimensions are in inches.
- Other dimensions: please refer to the dimension sheets:  
Actuators : A 1.103.xxx  
Positioners : A 6.10x

Dim. in inches	Actuator type										
	E25	E40	E65	E100	E200	E350	E600	E950	E1600	P2500	P4000
<b>A PD/ED</b>	6.26	7.09	7.83	8.70	11.14	12.01	15.24	16.69	20.31	14.88	19.76
<b>B PE/ES</b>	6.77	8.03	9.80	10.51	14.17	15.24	18.78	20.35	25.08	22.44	32.83
<b>C</b>	3.15	3.66	4.13	4.65	5.63	7.13	8.66	10.20	11.69	14.02	14.96
<b>D</b>	5.55	5.55	5.55	5.98	6.77	8.52	9.90	10.89	12.19	15.47	16.73

**Description**

The PosiFlex Pneumatic Positioner is a simple, single stage, force balance instrument. It provides stepless positional control for a wide variety of rotary pneumatic actuators, a single universal model can be used for double acting or single acting applications.

The basic design incorporates a high enhancement flapper and nozzle spool valve and a adjustable range and reversing mechanical feedback, this permits it to be simply adjusted for all the normal control functions such as split range, reverse acting, etc. without the use of additional components.

The modular construction allows the addition of a wide range of control options, these include micro switches, inductive switches, pressure gauges, position transmitters and volume boosters.

Mounting is to Industry Standard VDI/VDE 3845 (NAMUR) with the drive coupling spring loaded for zero backlash. The standard mounting kit incorporates a visual position indicator.

**General Specification**

Hysteresis	: 0.6%	Mounting	: VDI/VDE 3845
Linearity	: 1.0%	Air Entry	: 1/4" NPT
Air flow	: 7.4 SCFM (at 87 psi)	Air Supply	: 20 to 125 psi
Air Consumption	: 0.6 SCFM (at 87 psi)	Input Signal	
Min. volume actuator	: 6.1 in <sup>3</sup>	- Standard	: 3 to 15 psi
Temperature	: -4°F to +176°F	- Adjustable	: 3 to 9 psi
		(Optional)	: 9 to 15 psi

**Media** : Non-lubricated instrument air, filtered at 25 micron.  
: Dew point should be 10°F below environmental temperature.  
: Air quality class 3-2-3 accord. to ISO 8573-1.

**Identification** : F 10 for pneumatic positioner

**Materials** : Housing : Aluminum Alloy  
: Mechanical parts : Stainless steel  
: Finish : Epoxy paint

**Integrated Control Options**

- G1 : Gauge block, for instrument and two output pressure
- G2 : Gauge block, for supply and two output pressure
- PT2 : Position transmitter - 2 wire
- S2 : Two Mechanical Switches
- IS2 : Two Inductive Switches - 2 Wire (Intrinsically safe)
- PNP : Two Inductive Switches - 3 Wire
- POT : Potentiometer

EL-O-MATIC ACTUATOR WITH PNEUMATIC POSITIONER

F10