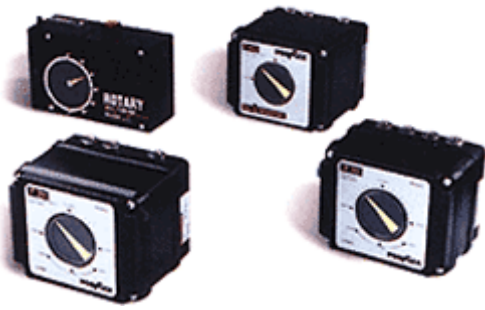


## POSITIONERS



Positioners provides a means for pneumatic actuator to be positioned to any point between full open & full close position.

El-O-Matic offers Posiflex make Pneumatic (F10), Electro-Pneumatic (F20). Apart from these El-O-Matic also supplies E/P, P/P & SMART Positioners of various Global manufactures on request.

PNEUMATIC POSITIONER F10 :

ELECTRO-PNEUMATIC POSITIONER F20:

### PNEUMATIC POSITIONER F10 :

The Posiflex-Pneumatic Positioner is a simple, single stage, displacement balance instrument suitable for either linear or rotary actuators. It provides stepless positional control for a wide variety of pneumatic actuators. A single universal model can be used for both double acting and single acting applications.

The basic design incorporates a high enhancement flapper and nozzle spool valve and adjustable range and reversing mechanical feedback

Three Position Cam for Rotary Actuators provides for linear, quick opening and equal percentage characteristics. A special cam for rotary actuator provides for split range.

### ELECTRO-PNEUMATIC POSITIONER F20 :

The F20 is a universal Electro-Pneumatic Positioner, suitable for either linear or rotary actuators (single or double acting).

The F20 Positioner operates on the principle of analog electronic comparison. An analog 4-20 mA input signal is used to obtain an accurate position of the actuator.

The F20 is a true 2 wire instrument, with the 4-20 mA signal providing both the controlling signal and power supply for the electronics. An electronic module

provides all the usual control characteristics; zero, range and sensitivity. They are all electronically resetable using trimmers on the control card.

A comprehensive range of integrated control options include gauges, switches and position transmitters. Mounting is to the Industry standard VDI/VDE 3845 (Namur) or IEC 534/6. The drive coupling for the rotary version is spring loaded for zero backlash.

#### **OPTIONS AVAILABLE FOR POSITIONERS :**

- Position Transmitter
- Limit Switches

#### **SMART POSITIONERS :**

Smart positioners are microprocessor-equipped, current pneumatic smart valve positioners for pneumatic actuators.

The smart positioner receives a DC current signal from control devices and controls pneumatic valves. In addition to this basic function, the positioner has communication capabilities, automatic configuration program, and self-diagnostics functions that will greatly increase productivity and the efficiency of plant operation.

El-O-Matic supply's SMART type Positioner from Various Global Manufacturers like Siemens, ABB, Metso, Fisher, etc.

#### **PARTIAL STROKE TESTING DEVICE (PST) FOR ESD VALVE :**

*“In an emergency, the ability to rapidly shut off fluid and/or gas flow can mean the difference between a manageable situation and a potential disaster”*

#### **What is PST?**

PST (Partial Stroke Test) is a function test used to check periodically that ESD valve is operated securely without any non-conformities such as sticking (Jamming) of valve & actuator in the event of emergency, by closing the valve slightly & slowly to such range as not to interfere with the process during plant operation.

#### **What device is used for PST?**

Partial stroke Testing (PST) is performed by a SMART Positioner type Device having facility to perform PST. The PST device consists of a smart positioner with PST function attached to a pneumatically operated actuator, and is

available in “HART” or “Foundation Fieldbus” type. The smart positioner is multi-functional, as it is incorporated with a micro-processor.

El-O-Matic Supply’s valves for ESD Application to Cater today’s Process Industry safety need.