

PNEUMATIC ACTUATOR

The pneumatic actuators mainly consist of a double acting power cylinder in which a piston slides and through which the necessary force is transmitted to the final control element. Actuator without positioner is used for ON / OFF control of a regulating device in which air supply is given to the cylinder through a solenoid / pilot operated valve. Actuator with positioner can establish any desired relationship between pneumatic input signal and piston displacement. To match the regulating device characteristics with the system requirements linear, interchangeable cams are provided with the positioner.

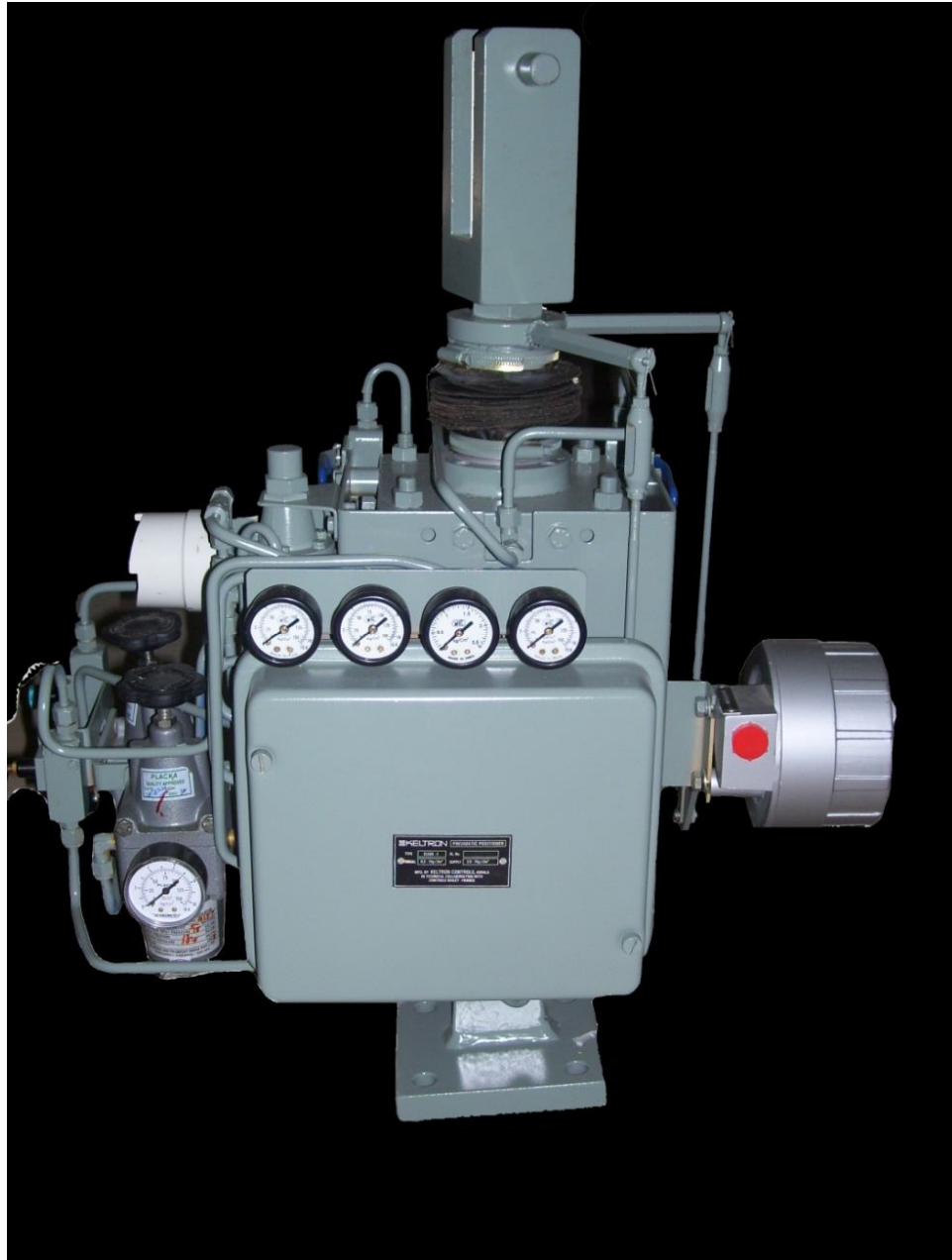
DIFFERENT MODELS

A) STAND MOUNTED ACTUATORS



The cylinder and piston is on a frame (stand) to which it is Coupled through a fork and drive arm. The output force is transmitted to the load through a linkage from an output lever equipped on the power cylinder power cylinder.

(B) TRUNION MOUNTED ACTUATORS



The cylinder and piston is on a swivel plate mostly at the bottom. In this type, the piston rod end is directly connected to the load through a fork. Thrust developed by the cylinder is directly coupled to the load.

ACTUATOR MODELS BASED ON APPLICATION

(i) BTPC – Burner Tilt Power Cylinder

BTPC MODELS: 04"x14", 06"x14", 08"x14", 08"x16", 10"x14", 10"x16", 12"x14", 12"x16", 14"x18.5", 16"x18.5"



(i) SADC – Secondary Air Damper Control

SADC MODELS: 2.5"x05", 03"x05", 04"x04" 04"x05"



(ii) **AIR DAMPERS (ID , FD, SA, PAH, SAH & PA FAN DAMPERS)**

ACTUATOR MODELS : 03"x12", 04"x04", 04"x08", 04"x12", 04"x18", 06"x08", 06"x12",
Bore X Stroke) 06"x16", 08"x08", 08"x12", 08"x16", 10"x16", 12"x16", 14"x16,
19"x14", 20"x14", 22"x14"





ACTUATOR SPECIFICATIONS

- Supply pressure : 3 to 7 kg/cm²
- Input signal : 0.2 to 1.0 kg/cm² (4-20 mA with IP Convertor)
- Pneumatic connection : PVC coated Copper tube with brass Fittings / SS tube with SS Fittings
- Painting : Light Grey Epoxy

STANDARD MODELS OF PNEUMATIC ACTUATORS

| | |
|----------------------------|--|
| Trunion Type | 03"x06", 03"x08", 03"x12", 04"x04", 04"x06", 04"x08", 04"x12", |
| (Bore X Stroke) | 04"x16", 04"x18", 04"x48", 06"x06", 06"x08", 06"x12", 06"x16", |
| | 06"x18", 08"x06", 08"x08", 08"x16", 10" x16" |
| Special Application | SADC: 2.5"x05", 03"x05", 04"x04" 04"x05" |

| | |
|----------------------------|--|
| | BTPC: 04"x14", 06"x14", 08"x14", 08"x16", 10"x14", 10"x16", 12"x14", 12"x16", 14"x18.5", 16"x18.5" |
| Stand Type | 03"x12", 04"x04", 04"x08", 04"x12", 04"x18", 06"x08", 06"x12", |
| (Bore X Stroke) | 06"x16", 08"x08", 08"x12", 08"x16", 10"x16", 12"x16", 14"x16, 19"x14", 20"x14", 22"x14" |
| Special Application | SCOOP ACTUATOR: 04"x04", 04"x08", 06"x08", 08"x08" 08"x16" |

Customized models according to customer requirement also available

STANDARD ACCESSORIES

- Pneumatic Positioner / Electro Pneumatic Positioner / Smart Positioner
- Limits Switch Assembly (with Micro Switches / Proximity Sensors/ Add on card for SMART)
- Air Lock Relay
- Air filter regulator
- Electronic Position Feedback Transmitter
- IP Converter Assembly
- Junction Box Assembly