O-type

Internal Tie Rods

EPO actuator power module has two built-in , high strength alloy steel tie rods. These help to guide the piston, reducing internal friction. By positioning the tie rods inside the cylinder housing they are protected from corrosion and physical damage thus extending the life of the tie rod seal. The internal tie rods also remove the problems associated with the painting of cylinders featuring external rods.

High Efficiency

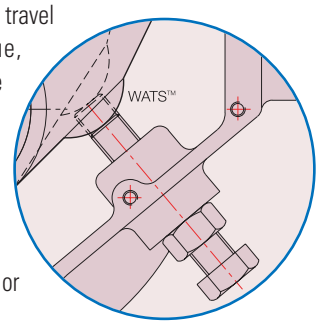
The piston rod of EPO actuator is locked by a guide block. This is supported by a high strength guide rod fitted with a self-lubricating bearing, which ensures efficient operation and improves the transfer of energy from the power module to the valve stem.

Safe Spring Module

To ensure the safety of personnel during installation and maintenance the spring module has been designed so that it can only be removed from the power module with the spring in the fully extended position. This prevents accidental release of the spring force, protecting personnel from injury and the actuator from accidental damage.

WATS™ Wide Adjustable Stopper

The EPO offers an extended range of travel adjustment by utilizing a unique, patented, yoke design. The yoke design, combined with two optional limit stop bolts in front of the drive module, allows travel to be adjusted from -25 to +5 degrees. Alternatively adjustable limit stops can be mounted at either end of the pneumatic power or spring module.



Torque Outputs

EPO actuators are available to cover torque ranges from 398 Nm to 800,000 Nm and are rated for continuous operation at pneumatic pressures from 40 psig to 160 psig (3.11 bar to 12.39 bar).

Temperature Range

The standard temperature range is -20°C to +80°C(-30 °F to +144 °F), Options are available for low temperature -45°C to +80°C(-81 °F to +144 °F) and high temperature -20°C to +177°C(-30 °F to +318.6 °F) duties, for which special seals are fitted.

ISO or MSS Mounting

The EPO actuators are available with MSS SP-101 or ISO 5211 valve interfaces.

NAMUR Standard

The ancillary item interface is in accordance with VDI/VDE 3845, allowing simple mounting and interchangeability of ancillary equipment.

Corrosion Resistance

EPO actuators incorporate four stages of internal and external corrosion resistance coating to resist severe weather, chemical and petroleum environments. The actuator exhibits excellent corrosion resistance, and has passed a Salt Spray Test to ASTM B117, making the actuators ideal for severe service duties such as offshore and marine applications.