

A-type

Dual Valve Mounting Pads

Valve mounting interface on both sides of the actuator provide the ability to change the spring fail mode, from clockwise to anti-clockwise, by simply inverting the actuator and allow installation in any required orientation.

Cylinder Tube Coating

The EPA actuators incorporate an electroless nickel internal coating to resist wear, corrosion, thermal and physical shock, while providing a low friction, lubricating interior finish. The coating ensures that no matter what corrosive elements are drawn in from the surrounding atmosphere the cylinder tube is fully protected. To ensure long life, the coating bonds to the cylinder surface eliminating the problems of cracking or flaking experienced with inferior solutions.



Modular Design

The EPA's modular design allows the actuator to be easily converted from double acting to single acting configuration, and provides for the simple addition of ancillaries such as manual override units.

Temperature Ranges

Standard EPA actuators are designed for operating temperature of -20°C to +80°C (-4°F to +176°F). Options are available for low -40°C (-40°F) and high +177°C (+350°F) temperatures, and special requirements can be supplied on request.

Inherently Safe Design

The EPA actuator has been designed with an inherently safe spring return unit. The actuator spring rod is connected to both the spring end cover and retainers so that the spring is fully retained during assembly or disassembly. This prevents accidental release of the spring force, and ensures that installation or maintenance can be performed in complete safety.

Torque Outputs

The EPA double acting actuator torque output ranges from 232 to 3095 N.m (2055 to 27421 ins.lbs.), while the spring return actuator produces spring end torques from 35 to 962 N.m (310 to 8523 ins.lbs.). The actuators are rated for continuous operation at pneumatic supply pressures from 3 to 10 bar (40 to 150 psig).

Replaceable Sliding Bearings

EPA actuators have permanently lubricated, long lasting, sliding bearings. The soft nitrided finish provides superior corrosion and wear resistance for longer life.

ISO5211 Standard Valve Pad

The EPA actuator is designed to the latest ISO5211 valve interface standards, for optimum strength, and standardized dimensions.

NAMUR Standard Interface

For ancillary equipment such as positioners and switchboxes a VDI/VDE 3845 mounting interface is provided to allow simple and quick mounting.

External Tie Rods

The EPA's external tie rods protect the cylinder tube from accidental damage during installation or piping work. Also by removing the tie rod nuts a spring return unit can be simply added or removed to change the actuator configuration.