

Hytork XL Series Suggested Valve Actuator Specifications

General

Pneumatic actuators shall be double rack and pinion design with bodies manufactured of cast aluminum alloy. Actuators shall be capable of double-acting or spring-return operation and be field adaptable.

Body

Actuators shall have a heavy-duty body made from high strength LM25 aluminum casting designed to prevent damage from dents, shock, or fatigue. The body shall include ISO 5211 mounting pad with star drive for flexibility and simplicity of direct mounting to valves.

Coating

Actuator shall utilize Ceramigard treatment for added corrosion resistance to all surfaces of the body and end caps. A powder coat shall be added as a final coating.

Pinion

Rotating pinion shall be cobalt zinc plated steel for protection from corrosion.

Body Caps

End caps shall be securely attached to the actuator body using a flexible, stainless steel SAFEKEY in a machined keyway.

Dual Travel Stops

Actuators shall have two travel stops, acting on the rotating pinion, providing 10° of travel adjustment in both directions of pinion rotation, and will have a maximum total rotational capability of 96°.

Springs

Spring-return actuators shall have a maximum of two nested springs per end cap and will have a lifetime warranty against spring breakage.

Lubrication

All moving parts, piston racks, and pinions shall be fitted with replaceable wear bearings to resist cylinder side loads, radial pinion loads, and upthrust/downthrust pinion loads.

Accessories

Actuators shall be designed to the preferred ISO mounting and drive dimensions, have ISO and VDI specification mounting pads for accessories with a NAMUR accessory drive on the pinion top and a NAMUR specification solenoid mounting pad.

Position Indication

A visual position indicator cap shall be provided.

The actuator shall be Hytork model XL SR series for spring-return and XL DA series for double-acting as provided by Emerson Actuation Technologies, Houston, TX.

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