

FieldQ Valve Actuator

Corrosion Protection

Description

The corrosion protection system of FieldQ actuators consist of the following treatments or materials:

1 Pretreatment

The actuator housings are anodized inside and outside, to give them a durable and superb protection against wear and corrosion.

2 De-greasing.

All aluminum parts are de-greased before the coating is applied by washing with an alkaline solution to assure the best bonding between the aluminum surface and the coating.

3 Finish

3.1 Actuator

- Polyurethane powder coating for exterior use.
- The powder coating is applied cold using automatic electrostatic spray equipment and is cured for about 10 minutes at minimum 200°C (392°F) offering excellent light and weather resistance.

3.2 Module

- Polyurethane coating for exterior use.
- The coating offers excellent light and weather resistance.
- Good chemical resistance against most bases, acids, solvents, alkalis and oils at normal temperatures.
- Excellent exterior mechanical durability.

4 High grade & hard anodized aluminum pinion.

Actuators with high grade & hard anodized aluminum pinions, passed a 1000 hours salt spray test.

5 Stainless steel or coated steel parts.

External parts are stainless steel or coated alloy steel.

6 Corrosion protected springs on Spring Return actuators

All the springs of spring return actuator are Deltatone® or epoxy (black) coated to prevent the corrosion of the springs and assure a long cycle life.

Technical data base actuator

Finish:	Polyurethane powder coating
Thickness:	80 to 160 micrometer (3.1 to 6.2 mils).
Salt spray test:	1000 hours (ASTM B117)
Color:	Yellow
Materials:	
Housing:	Anodized aluminium alloy
Pistons:	Chromatized
Pinion:	High grade aluminum alloy, hard anodized
Fasteners:	Stainless steel or coated alloy steel.
Type plate:	Stainless steel

Technical data Control Module

Finish:	2 Component with an epoxy primer and polyurethane enamel top coating.
Thickness:	80 to 160 micrometer (3.1 to 6.2 mils).
Salt spray test:	1000 hours (ASTM B117)
Color:	Yellow
Materials:	
Housing:	Anodized aluminium alloy
Fasteners:	Stainless steel or coated alloy steel.
Type plate:	Vinyl

