

## FieldQ™ Pneumatic Actuators

Your First Choice for a Valve Operating System™



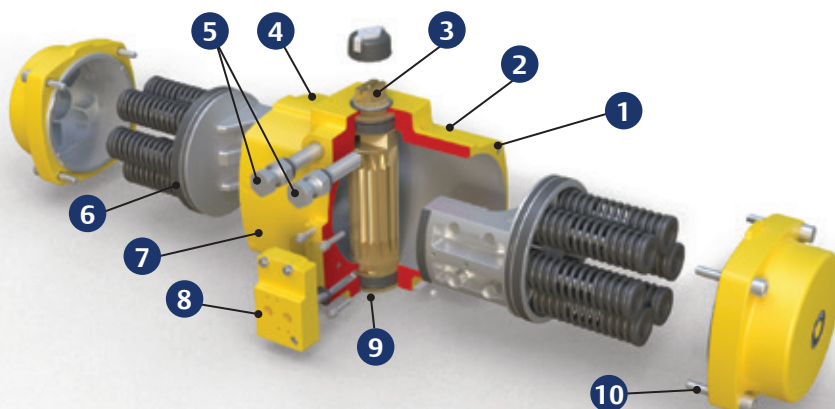
FieldQ



## FieldQ Valve Actuators

**FieldQ** offers the best available corrosion resistant coatings and durable materials of construction for a long life in the most challenging environments.

FieldQ actuators are adaptable for standard use with VDI/VDE 3845 NAMUR solenoid interfaces. Top accessory interfaces are VDI/VDE 3845 NAMUR as standard.



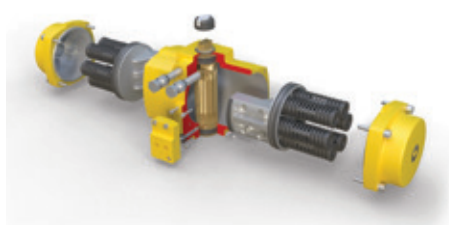
1. Heavy duty body castings provide maximum protection in the harsh environment of process plant locations
2. Polyurethane powder coating provides excellent corrosion resistance on housing and end caps
3. One piece blow-out proof, pressure balanced, pinion allows safe in-field re-configuration from Fail-Close to Fail-Open. The use of aerospace type alloy 7075 T6, provides the best combination of corrosion resistance, high strength and a lightweight construction as well as providing protection against galvanic corrosion
4. VDI/VDE 3845 (NAMUR) top accessory interface
5. Precision dual stroke adjustment provides accurate and intuitive end of stroke adjustment for the Open and Closed valve position
6. Low maintenance bearings for pistons and pinion
7. Accurately designed and machined components assure a perfect fit and long cycle life
8. VDI/VDE 3845 (NAMUR) solenoid interface adapter plate. Can be used without the NAMUR adapter to interface with prior generation FieldQ Control Modules
9. Dual ISO 5211 mounting patterns allow low-profile direct mounting to valves
10. Stainless steel or Deltatone® coated fasteners

### General Specifications

<b>Torque Range:</b>	<b>Double-Acting</b> 413 to 15312 lbf.in (47 to 1725 Nm)  <b>Spring-Return</b> 37 to 6844 lbf.in (4 to 773 Nm; spring end torque)	
<b>Rotation:</b>	Factory set at 90°	
<b>Temperature Range:</b>	-4°F to 175°F (-20°C to 80°C)	
<b>Finish:</b>	<b>Body and end caps:</b> Cast aluminium, anodized and polyurethane powder coated  <b>Pistons:</b> Chromated	<b>Pinion:</b> High grade aluminium, hard anodized  <b>Fasteners:</b> Stainless steel or Deltatone® coated
<b>Lubrication:</b>	Lubricated for life	
<b>Pressure Range:</b>	2.9 to 120 psig (0.2 to 8.3 barg)	
<b>Pressure Media:</b>	Air, dry or lubricated and inert gases	



## Advanced Design leads to Application Flexibility

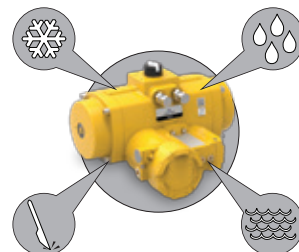


### Advanced design techniques

FieldQ-Series is the result of 40-years of production and design refinement following stringent engineering standards to perform under the toughest, heavy duty applications

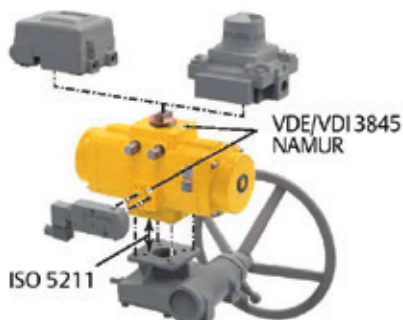


**Modular Construction** allows the maximum flexibility across a wide range of applications. In addition, new spring design allow for different air pressures to fit choice of valve

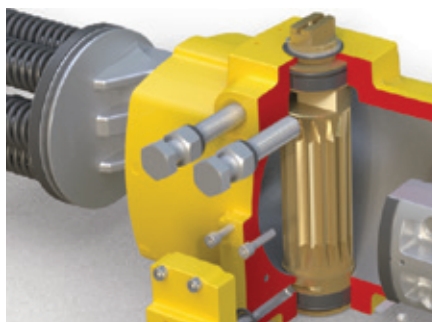


**Maximum corrosion protection** in every FieldQ is achieved by using anodized body and end cap, stainless steel or Deltatone® coated external steel parts and a polyurethane powder coat. It is tested to pass a 1000 hours salt spray to the ASTM B117 standard to assure a corrosion free long service life

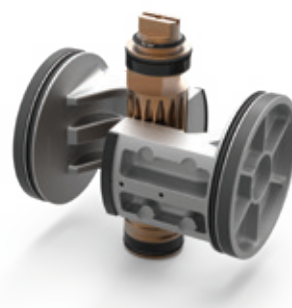
## Ease of Use from Installation to Configuration to Maintenance



**Compliance to the relevant interface standards** ensures standardization of the valve mounting, solenoid mounting and top mounted switch box or positioner mounting



**Dual Stroke Adjustment** provides precise intuitive end of stroke adjustment for the Open and Closed valve position



### Low Maintenance Bearings

The actuator is lubricated for life. Together with the high performance synthetic bearings, the actuator provides long working life with low maintenance requirements

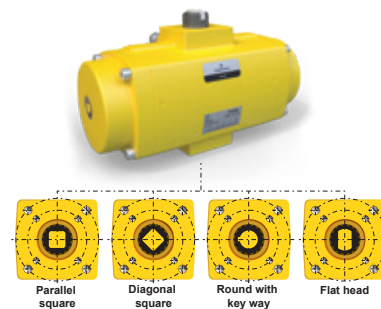
## Safety, Performance and Global Compliance



**Functional and personal safety** is your plant's number one priority. The spring cartridge design provides maximum personnel safety during maintenance and ensures that "Fail Safe" actuators will always do just that

Quality	ISO9001:2008	✓
Valve Flange	ISO 5211	✓
Solenoid	VDI/VE3845	✓
Top Accessories	VDI/VE3845	✓
Explosive Areas	ATEX 2014/34/EU	✓
Pressure Safety	PED 2014/68/EU	✓
Mechanical Safety	MD 2006/42/EC	✓
Hazardous Substances	ROHS 2011/65/EU	✓

FieldQ pneumatic actuators are manufactured to meet **worldwide quality and safety standards**



Drive inserts and dual drilling patterns on the valve flange **make direct mounting flexible**, no matter if the valve stem is; square, flat head, or round with key way



## FieldQ Valve Actuators

stand as versatile, rugged, and efficient solutions for most pneumatic valve actuation applications.

Actuators are designed for long life and minimal maintenance, ensuring the lowest total cost of ownership over the life of your plant.



For complete technical and installation documentation scan QR.

[www.emerson.com/fieldq](http://www.emerson.com/fieldq)

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**FieldQ**

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