FieldQ™ Pneumatic Actuator and “Fully Integrated” Controls
Your First Choice for a Valve Operating System™
**FieldQ**, The Industry’s Only “Fully Integrated” Pneumatic Valve Operating System (VOS)

**FieldQ** offers a new way of looking at valve automation by combining field-proven rack and pinion pneumatic actuator with the necessary controls in an integrated modular package.

Gone are the non-integrated accessories from multiple vendors, mounting brackets, cumbersome external cabling and tubing that allows you to:

- **Achieve up to 20% reduction** in installation and commissioning time.
- **Automate valves with small VOS footprint** offering flexibility for retrofit into existing pipe runs.

**The FieldQ solution enables you to:**
- Reduce commissioning cost by the easy to mount single unit.
- Provide maximum flexibility in various applications with the modular design.
- Use the Q-Series Valve Operating System in compact installations benefiting from the low profile.
- Prevent unplanned Plant-Down-Time using the PlantWeb™ or NAMUR NE 107 connectivity with predictive diagnostic capabilities.

**Integrated controls provide:**
- A single electrical connection point, reducing wiring complexity.
- One Control Module for the full actuator range, reducing stock levels of various spare parts.
- One source of supply for Valve Operating Systems, reducing sourcing complexity.

**Actuator Features:**
- Robust and durable spring-return or double-acting actuator design.
- Output torque ranging from 40 Nm to 1600 Nm.
- Easy exchangeable spring cartridges offer six different spring sets for a wide range of supply pressures.
- The high corrosion resistant design provides a long cycle life, also for aggressive industrial environments.
- The valve stem insert mounting options in accordance to ISO 5211 offers cost effective and versatile direct mounting to your valve.

**Control Module Features:**
- Easy exchangeable cartridges for pilot valves, limit switches or booster blocks.
- Standard “Breather” function protects spring chambers for corrosion.
- Externally adjustable switch point setting, from outside the Explosion Proof enclosure, prevents “hot-work-permits” or down time for switch adjustments.
- Easy accessible wiring compartment.
- Auto-Initialization by FOUNDATION™ Fieldbus or push button for easy setup.
- Available with FM, CSA, ATEX, INMETRO and IECEx approvals for use in explosive atmospheres.
Ensured reliability through innovative product design

- **Hard anodized** actuator body and module with protective finish protects from corrosive environments.

- **Extended Life - Nylatron** guide band and PTFE piston guide bands provides wear protection between housing and piston for extended service life.

- **Innovative design** provides exchangeable cartridges for pilot valves (1), limit switches (2) or booster blocks (3) in an Explosion Proof enclosure (4) for maximum environmental protection.

Quick start up benefit from our simplified design

- **Simple Conversion** - With an Allen key wrench, convert double-acting to spring-return configuration.

- **Non-Intrusive Switch Setting**: Avoids the need for hot-work down time and maintains integrity of explosion proof environment.

- **Plug and Play capability** reduces the need for mounting brackets, cabling and tubing and adapters.

Increased personnel and process safety

- Integrated controls in **explosion proof design module** offers FM, CSA, ATEX, IECEx and INMETRO approvals.

- **Patented Intelligent Position Tracking** allows the integration of controls and feedback into one single product.

- **Encapsulated spring design** provides superior field safety - when removed, springs remain part of the assembly.
The FieldQ Valve Operating System (VOS) stands as a versatile, rugged, and efficient solution. It combines a field-proven rack and pinion pneumatic actuator with controls in an integrated modular package. The FieldQ solution offers true ‘plug and play’ capability without mounting brackets, cumbersome external cabling, and tubing.

**Patented Intelligent Position Tracking** allows the integration of controls and feedback into one single product.

**Non-Intrusive Switch Setting:** Avoids the need for hot-work down time and maintains integrity of explosion proof environment.