

FieldQ Valve Actuator Options

NAMUR Plate

Description

The top flange of the FieldQ actuator is standard equipped with a NAMUR drilling pattern. The addition of a NAMUR adaptation plate makes the FieldQ actuator suitable for mounting all kinds of NAMUR compatible control and feedback accessories like solenoids, switch boxes or positioners.

Backwards compatibility

Where the FieldQ is meant to be an integrated concept for valve automation, there are a number of reasons for also having NAMUR interfaces:

Emergency repairs

- When the Control Module requires immediate repair and the process can only be stopped for a limited time, it would be easy to mount standard available NAMUR accessories.

Future updates

- When a plant is not yet ready for digital (bus) communication, but will be upgraded in the (near) future towards this technology, it is easy to change from NAMUR accessories to a FieldQ with bus communication.

Available equipment

- NAMUR compatible accessories are easy to acquire. Many suppliers offer accessories that can be fitted to NAMUR actuator interfaces.

Construction

The NAMUR adaptation plate is fitted in front of the actuator part of the FieldQ and replaces in fact the Pneumatic Module.

Specifications:

Material	: Aluminum
Air connection	: 1/4" BSP or 1/4" NPT
Finish	: Housing : Anodized with a polyester non-TGIC based powder coating
	: Pistons : Chromatized
Fasteners	: Stainless Steel
Seals	: Nitrile Rubber O-rings

Optional Temperature ranges

Special selected O-ring seals and grease makes it possible to utilize the FieldQ actuator, with NAMUR plate, for various temperature ranges. Three temperature ranges are available:

- **Option code ST** : 80°C (176°F) / -20°C (-4°F)
O-ring seals : Nitrile rubber
Grease : Castrol High Temperature grease
- **Option code HT** : 120°C (248°F) / -20°C (-4°F)
O-ring seals : Fluoro rubber (FPM) Viton®
Grease : Castrol High Temperature grease
- **Option code LT** : 80°C (176°F) / -40°C (-40°F)
O-ring seals : Silicone MVQ 70
Grease : Castrol Tribol GR TT 1 PD

Note:

FieldQ actuators fitted with Pneumatic Modules and Control Modules are not available for high temperature or low temperature applications.

Detailed Dimensions

See data sheets 1.603.05, 1.603.06 and 1.603.07.

