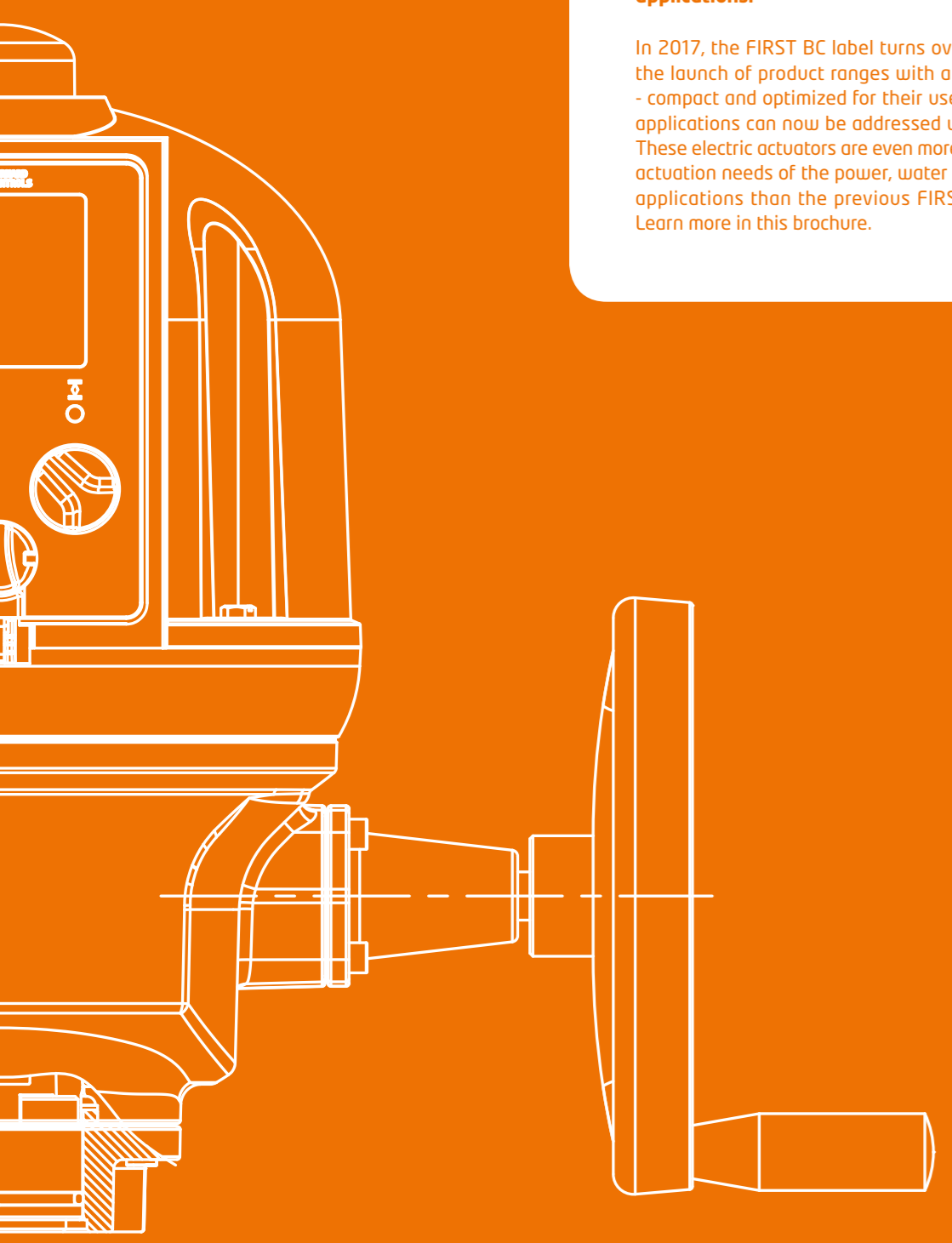


FIRST BC LABEL The essentials

Be it for common flow control in a thermal power plant, in a water treatment plant, for ventilation systems or for any other kind of industrial applications, you need a compact, simple and reliable electric actuation solution.

In case of **moderate environmental and operational constraints**, BERNARD CONTROLS has created the FIRST BC label to identify products and solutions which offer to users **the Essentials**: the key functions to operate your valve safely and efficiently in case of **standard applications**.

In 2017, the FIRST BC label turns over a new leaf with the launch of product ranges with a brand new design - compact and optimized for their use. The quarter-turn applications can now be addressed with the **AQ range**. These electric actuators are even more closer to standard actuation needs of the power, water or various industry applications than the previous FIRST BC generation. Learn more in this brochure.



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Invest in Confidence



New

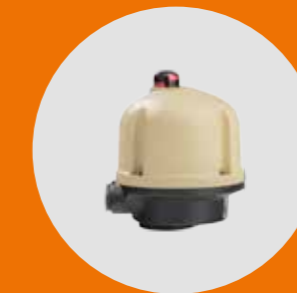
Weatherproof
Quarter-turn Actuators
AQ RANGE



> AQ range

The essentials

for quarter-turn electric actuation



AQ1L - AQ3L - AQ7L



AQ5 - AQ10 - AQ15 - AQ25 - AQ30 - AQ50
SWITCH version



AQ5 - AQ10 - AQ15 - AQ25 - AQ30 - AQ50
LOGIC version

Product overview

New camblock system

On SWITCH VERSION
Easy set up of the travel limitation system with a standard screwdriver



Position signaling by 2 LEDs

(green / red configurable LEDs for open / closed)

Heavy duty design

Full aluminium enclosure protected by durable powder coating Black & Champagne

Cable entries

up to 5 cable entries

Product specifications

- **Adaptation to all quarter-turn valves:**
 - > torque range from 15 to 500 Nm (direct quarter-turn)
 - > up to 200 000 Nm on request
- **Type of Controls**
 - > Electromechanical, SWITCH
 - > Integrated control, LOGIC (v2)
- **BC Duty & Modulating Classification**
 - > On-Off: Class A
 - > Inching/Positioning: Class B
 - > Modulating: Class III
- **IP68**
- **Corrosive environment: C3**
- **Operating temp.: -20...+60°C (-40°C as an option)**



AQL models delivered with standard adaptors

Mechanical position indicator on all models

Check the position of your valve at a glance



Flange according to ISO 5211

with removable socket

User-friendly local commands

through 2 buttons & 1 padlockable selector

New mobile application BC App

"Set up your actuator and more in a few clicks!"

- > Set up & Operate your actuator using your mobile phone
- > Get access to clear descriptions of alarms, troubleshooting functions, documentation, Bernard Controls Assistance
- > Upload & change the full actuator configuration in one step
- > Even complex settings are made easier



Large LCD display

Easily orientable in a few clicks on the BC App or through local commands



Declutch-free handwheel

- > with motor priority
- > with foldable handle



Product benefits

• Compact & optimized design

- > Super compact design (including integrated controls)
- > Product architecture & torque range adapted to customers' requirements: 9 models from 15 to 500 Nm
- > Multi-voltage (AC/DC) & multi-frequency products (AQ1L to AQ7L): suitable whatever your location on the globe
- > Optimized logistics: short delivery time

• Easy to use

- > Easy commissioning: pre-wired version (1-phase only), set up of travel limitation system with a simple screwdriver...
- > Large LCD display on LOGIC version for user-friendly commissioning and local command. Easily orientable (4-way direction) in few clicks
- > Declutch-free manual override: essential for quick intervention on site
- > BC APP: Bernard Controls new mobile application for setting, operating, troubleshooting and easy access to documentation

• Reliable design

- > BERNARD CONTROLS design methodology built-up on the nuclear market highly demanding requirements
- > 80+ years of continuous experience and BC inventor of the compact quarter-turn electric actuator
- > Heavy duty design: Full aluminium enclosure protected by durable powder coating Black & Champagne, IP68, low temperature option
- > 100% of delivered products are tested with automatic process before delivery

• The main functions of integrated control with the new LOGIC control

- > Turn-key, time & cost-saving solution
- > User-friendly & intuitive
- > Non-intrusive setting for enhanced safety and reliability
- > New LOGIC (v2), compatible with common fieldbus protocols: Modbus RTU, Profibus DPV1.
- > Bluetooth communication (as standard) to communicate with Bernard Controls' BC App



Full range description, product specifications and technical data on BERNARD CONTROLS' website.