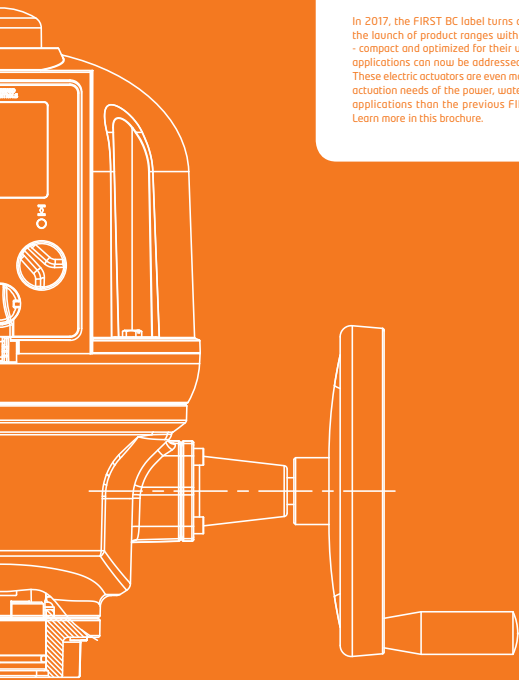


FIRST BC LABEL The essentials

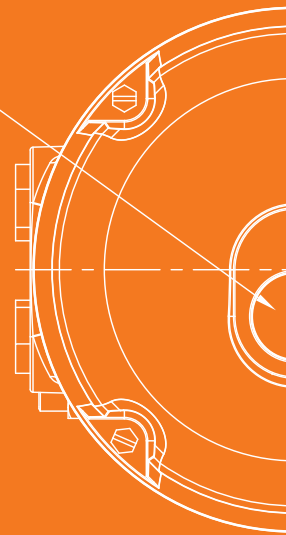
Be it for common flow control in a thermal power plant, in a water treatment plant, for ventilation systems or for any other kind of industrial applications, you need a compact, simple and reliable electric actuation solution.

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.



FIRST BC LABEL



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Invest in Confidence



New

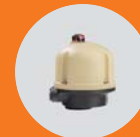
Weatherproof
Quarter-turn Actuators
AQ RANGE



> AQ range

The essentials

for quarter-turn electric actuation



AQ11 - AQ2L - 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: C4**
- **Operating temp.: -20...+60°C (-40°C as an option)**

Mechanical position indicator on all models

Check the position of your valve at a glance



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



communication as standard on new LOGIC

Large LCD display

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



User-friendly local commands

through 2 buttons & 1 padlockable selector

Dec clutch-free handwheel

- > with motor priority
- > with foldable handle



Flange according to ISO 5211

with removable socket



AQ1 models delivered with standard adaptors

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 standard screwdriver...
- > Large LCD display on LOGIC version for user-friendly commissioning and local command. Easily orientable (4-way direction) in few clicks
- > Decutch-free manual override: essential for quick intervention on site
- > BC RPP: 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 (v2)

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



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