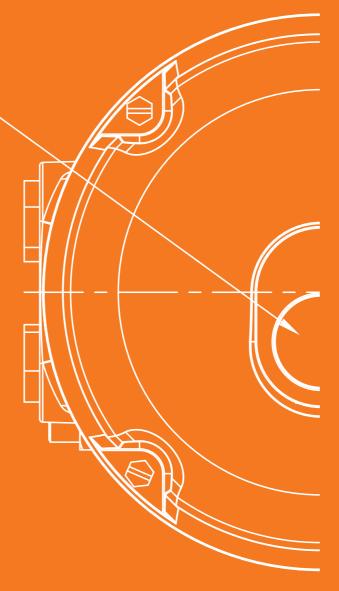
Be it for common flow control in a thermal power plant, in a water treatment plant, for ventilation systems or for any other kind of industrial applications, you need a compact, simple and reliable electric actuation solution.

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 **AQL** 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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More than 50 agents and distributors worldwide. Contact details on www.bernardcontrols.com

Weatherproof **Quarter-turn Actuators AQL RANGE**



CZECH REPUBLIC

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Tel.: +420) (, '(&*', %%

>AQL range The essentials for quarter-turn electric actuation





Product overview

Easy commissioning

Wiring diagram directly available inside the cover

Heavy duty design

Full aluminium enclosure protected by durable powder coating

Cable entries

Manual operation

Emergency intervention via manual hexagonal output 10mm



Flange according to ISO 5211

models delivered with standard adaptators

Mechanical position indicator as standard

Check the position of your valve at a glance

New mobile application BC App

> Get access to documentation and Bernard Controls Assistance

New camblock system

Easy set up of the travel limitation system with a standard screwdriver.

Product specifications

- Adaptation to all quarter-turn valves:
- > torque range from 15 to 70 Nm (direct quarter-turn)
- Tupe of Controls
- > Electromechanical, SWITCH > Positioner, 4-20mA
- BC Duty & Modulating Classification
- > Inching/Positioning: Class B
- Corrosive environment: C4
- Operating temp.: -20...+60°C

Product benefits

• Compact & optimized design

- > Super compact design
- > Product architecture & torque range adapted to customers' requirements: 3 models from 15 to 70 Nm
- > Multi-voltage (AC/DC) & multifrequency products : suitable whatever your location on the globe
- > 24VDC or 12VDC, both 2 or 3 wires available as an option
- > Short delivery time, even for voluminous project, thanks to large production capacity

• 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
- > Extended lifetime: more than 200000 cycles attained during endurance tests in laboratory
- > Heavy duty design: full aluminum enclosure protected by durable powder coating, C4, IP68, large temperature scale

- > Self-locking at all speeds without any additional component
- > S4 Motor Service Duty. Up to 120 starts per hour at peak of operation
- > Electronic torque limiter for reinforced valve security
- > 100% of delivered products are tested with automatic process before delivery
- > Semi automated assembly line: enables complete electronics traceability

• Easy to use

- > Easy commissioning for quick installation on site: pre-wired version, wiring diagram inside the cover, Quick connector (IP68) option
- > User-friendly set up of travel limitation system with a standard screwdriver. Cameblock directly accessible at the front
- > Positionner option (4-20mA)
- > Manual operation via manual hexagonal output: essential for emergency intervention
- > BC APP: Bernard Controls new mobile application to get access to full documentation and Assistance





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



mechanical stop

Adjustable



