

Expertise & Innovation



FOCUS ON



New 2015

New weatherproof multi-turn actuators
FIRST BC - ET Range



BC SPECIFIC DESIGN & EXPERTISE

Nuclear Actuators: NUCLEAR QUALIFIED RANGES

- SN Nuclear qualified Range
- Full range of other Qualified Solutions: Quarter-turn, Multi-turn and Linear for inside & outside containment applications



→ Failsafe Actuators: FQ RANGE

- Failsafe with reliable spring-return technology: Fast and shock-free valve travel during emergency operation
- IP 67 standard
- EN15714-2 Duty classification:
 - › On-Off : Class A
 - › Inching/Positioning : Class B
 - › Modulating : Class C
- No maintenance



→ Special Actuators:

- Special Actuators for severe environments: Corrosion protection, Fire protection, Extreme temperatures
- Hydraulic Multi-turn Actuators for LNG carriers & Offshore applications
- Customized Design & Projects:
 - › BC Strong Customer Support with dedicated team



Integrated controls Fieldbus Master Station

- Double-sealing protection
- INTELLI+®, intelligent control: advanced functions such as ESD, Partial Stroking, Timer ...
- SIL certification
- Positioners for Modulating and Continuous modulating duties
- Fieldbus compatible with all actuators: Foundation Fieldbus, Modbus RTU, Profibus DP (single or redundant), HART and other on demand.
- MASTER STATION by BERNARD CONTROLS, turnkey solution based on fieldbus.

WEATHERPROOF RANGES

- Adaptation to all types of valves.
- IP 67
- EN15714-2 Duty classification:
 - › On-Off : Class A
 - › Inching/ Positioning : Class B
- Type of Controls
 - › Electromechanical SWITCH
 - › Integrated LOGIC
- Compact design
- Easy & fast commissioning
- Maintenance-free

→ Weatherproof Actuators: EZ RANGE

- Quarter-turn valves
- Torque range from 45 to 10,000 Nm



→ Weatherproof Actuators: ET RANGE

- Multi-turn valves
- Torque range from 30 to 200 Nm



WEATHERPROOF & EXPLOSIONPROOF RANGES

- Adaptation to all types of valves:
 - › Quarter-turn,
 - › Multi-turn,
 - › Linear
- Adaptation to specifications of engineering companies
- EN15714-2 Duty classification:
 - › On-Off : Class A
 - › Inching/ Positioning : Class B
 - › Modulating : Class C
 - › Continuous Modulating: Class D⁽¹⁾

- Dedicated Design
- Easy and fast commissioning
- Optimised maintenance level

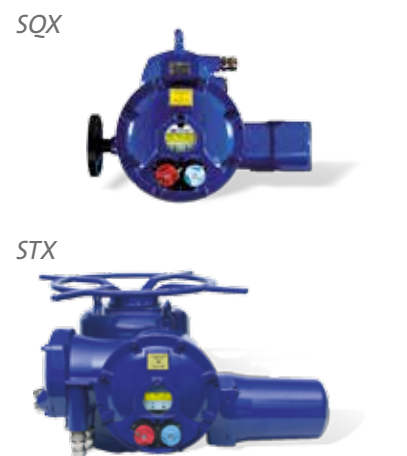
→ Weatherproof Actuators: SQ , ST & ASM RANGES

- IP67 standard for SQ & ASM
- IP 68 standard for ST (on option for SQ & ASM)
- 3 types of controls: SWITCH, INTEGRATED, INTELLI+® intelligent control



→ Explosionproof Actuators: SQX & STX RANGES

- IP 68 standard
- Compliance with international explosionproof standards: ATEX, INMETRO, IEC-Ex, EAC-Ex, NEMA 7 & 9...
- Special configurations: Corrosion protection, Fire protection, Extreme temperatures
- 2 types of controls: SWITCH and INTELLI+®, intelligent control



→ Continuous Modulating Actuators⁽¹⁾: BC MODULATING RANGE

OAP, MA, MB, MAS, MBS, SQXM & STXM MODELS

- IP67 standard for MA, MB, MAS, MBS
- IP 68 standard for SQXM & STXM (on option for MA, MB, MAS, MBS)
- Explosionproof versions ATEX-NEMA (SQXM/STXM)
- EN15714-2 Duty classification: Continuous modulating : Class D
- Up to high speed and high resolution



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SOLUTIONS OVERVIEW

NOTES

Lined area for notes.

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



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