



# **B BERNARD**

**ELECTRIC ACTUATORS**  
PRODUCT RANGE OVERVIEW

A107/04

L. Bernard manufacture a complete range of electric actuators for the automation of standard and modulating valves and damper applications for all industrial sectors.

Bernard actuators are manufactured using modern production techniques in several European located factories and in compliance with ISO9001-2000 certification (AFAQ - N°QUAL/1997/8657b).

The Bernard product range is approved and qualified by major organizations including the CSA, LCIE, Germanischer Lloyds, GOST Russia, INERIS, ...

Local technical support is guaranteed through a network of subsidiaries, representatives and service agents located worldwide.

## DIRECT QUARTER TURN

### MAIN FEATURES

- Compact heavy duty construction,
- Torque from **35 to 4,000 N.m**,
- **IP67** as standard. IP68 on request,
- Explosionproof versions (**ATEX-NEMA**),
- For **On-Off** and **Class III positioning** duty,
- Optional integrated electronic controls.



## QUARTER TURN COMBIS

### MAIN FEATURES

- Torque from **1,000 to 100,000 N.m**
- **IP67** as standard. IP68 on request,
- Explosionproof versions (**ATEX-NEMA**),
- For **On-Off** and **Class III positioning** duty,
- Optional integrated electronic controls.



## GEARBOXES

QUARTER TURN  
250 to 100.000 N.m

SPUR GEAR MULTITURN  
250 to 10.000 N.m

BEVEL GEAR MULTITURN  
250 to 5.000 N.m



## LEVER SYSTEMS

ADJUSTABLE LEVER  
SYSTEMS  
FOR THE CONTROL OF  
DAMPERS AND LOUVRES



## MULTITURN



### MAIN FEATURES

- Models with torque from **60 to 16,000 N.m**
- **IP68** as standard,
- Explosionproof versions (**ATEX-NEMA**),
- For **On-Off** and **Class III positioning** duty,
- With **INTELLI+** design, access to a real maintenance tool for plant valves (torque curves i.e) is readily available.

## MODULATING



### MAIN FEATURES

- **100% Service** duty,
- Different models suitable for use as :
  - **Class II modulating** : moderate speed, high precision.
  - **Class I modulating** : high speed, very high precision.
- Quarter-turn, linear, multitrurn and lever movements,
- Specific turn-key electronic controls solutions available.

## FAILSAFE



### MAIN FEATURES

- Failsafe and reliable with **spring-return technology**,
- **Fast and shock-free** valve travel during emergency operation,
- **Maintenance-free**,
- **IP67** as standard,
- Explosionproof versions (**ATEX-NEMA**).

## CONTROLS



### VALVE AUTOMATION MADE EASY

- Intelligent digital controls with **INTELLI+**,
- Fieldbus interfaces,
- Integrated analogue controls,
- Positioners for Class III, Class II and Class I modulating duty.



## SPECIAL DESIGN



### FOR HARSH CONDITIONS OPERATION

- Nuclear grade,
- High and low temperature,
- Corrosive environment,
- Hydraulic multitrurn actuators for LNG carriers & offshore applications.



# At Your Service Over The World

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