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## Actuators & Accessories

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Ensure a perfect  
performance and monitoring  
of your valves

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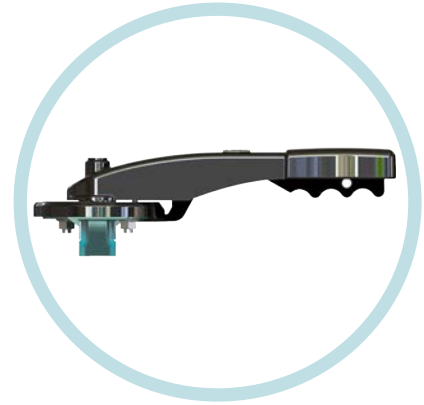
# Manual actuators

## Handlevers

### HLA

#### Aluminium handlever

Handlever made of aluminium polyester coated.  
Robust design with ergonomic grip.  
With 10 notched positions.  
Lockable with padlock.



### HLP

#### Plastic handlever

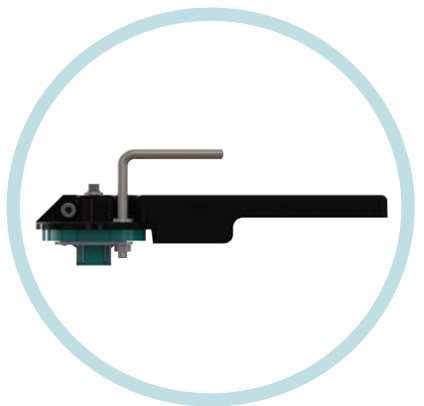
Plastic handlever made of polyamide 66 glass fibre reinforced.  
Galvanised steel dial with 10 notched positions.  
Lockable with padlock.



### HRA

#### Adjustable handlever

Adjustable handlever made of aluminium polyester coated.  
Robust design.  
Lockable in any angle position.



## Gearboxes

### GB232

#### Aluminium gearbox

Quarter turn gearbox with cast aluminium housing polyurethane coated.  
Torque up to 1.500 Nm.  
Robust and lightweight construction, lubricated for life.  
Adjustable travel stops.  
IP65 enclosure.  
With optical position indicator.  
Input shaft in stainless steel.





## **GB N**

### **Cast Iron gearbox**

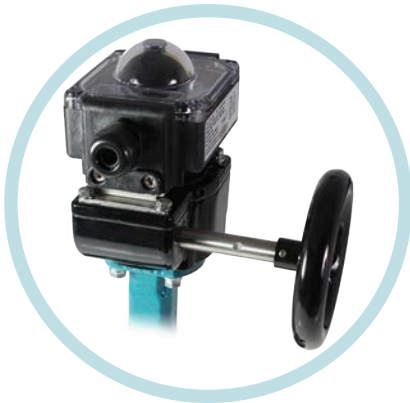
Quarter turn gearbox with cast iron housing polyurethane coated.  
Torque up to 32.000 Nm.  
Robust construction.  
Adjustable travel stops.  
IP67 enclosure, optional IP68.  
With optical position indicator.  
Lubricated for life.  
Input shaft in stainless steel.  
Optional coatings available for extreme environments.

## **Accessories for manual actuators**



### **Limit switches for handlever**

Limit switch boxes for handlever mounting.  
Robust and reliable system.  
Mounting kit for different ISO 5211 top flange constructions.  
Several housing materials available: plastic, aluminium, stainless steel.  
With optical position indicator.  
Different protection enclosures available.  
ATEX execution available.  
Several limit switch types available: electromechanical, proximity, magnetic proximity, AS-i board interface.



### **Limit switches for gearboxes**

Limit switch boxes for gearbox mounting.  
Robust and reliable system.  
Several housing materials available: plastic, aluminium, stainless steel.  
With optical position indicator.  
Different protection enclosures available.  
ATEX execution available.  
Several limit switch types available: electromechanical, proximity, magnetic proximity, AS-i board interface.



### **Accessories for gearboxes**

Padlock flange for gearboxes to avoid operation by unauthorized personnel.  
Chainwheel including chain guide.  
Optionally with stainless steel chain wheel and chain.

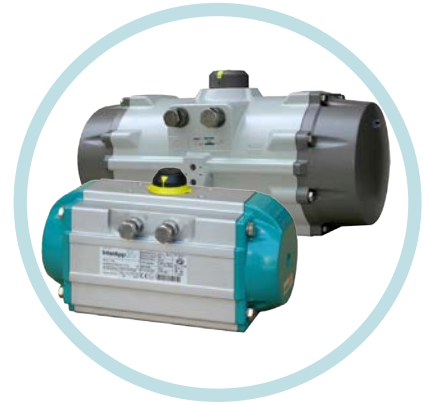
# Automatic actuators

## Pneumatic actuators

### IA motion

#### Pneumatic industrial actuator

Rack and pinion of pneumatic actuator for any industrial applications.  
Double and single acting.  
Torque 15 to 10.007 Nm.  
Supply pressure 3 to 8 bar.  
Actuator IP67, standard in compliance with ATEX.  
Body made of extruded aluminium with ALODUR® corrosion protection.  
End caps, anodized and polyester coated (RAL 5021).  
Two independent external travel stop adjustments.  
Multifunction position indicator, adaptable to all kinds of limit and proximity switches.



### AQP motion

#### Pneumatic actuator

Rack and pinion pneumatic actuator specifically designed for HVAC applications.  
Torque up to 522 Nm.  
Supply pressure 3 to 8 bar.  
Body made of extruded and anodised aluminium.  
End caps, passivated and polyester coated (RAL 7036).  
Two independent external travel stop adjustments.  
Multifunction position indicator.



## Solenoid valves

### Namur solenoid valves

#### For pneumatic actuators

Solenoid valves with Namur connection for pneumatic actuators.  
3/2, 5/2 and 5/3 ways monostable solenoid valves to control pneumatic double and spring return actuators.  
Operating pressure, from 1.5 to 10 bar.  
Different voltages available.  
IP65 enclosure as a standard.  
Optionally different ATEX executions.



## Position indicators for pneumatic actuators



### Open mounted

Proximity switches for direct mounting on the pneumatic actuator. Optionally available with LED display. Different protection enclosures. ATEX execution available.



### Limit switch boxes

Limit switch boxes for direct mounting on pneumatic actuators. Including mounting brackets for all standard Namur (VDI/VDE3845). Several housing materials available: plastic, aluminium, stainless steel. With optical position indicator. Different protection enclosures available. ATEX execution available. Several limit switch types available: electromechanical, proximity, magnetic proximity, AS-i board interface.

## Positioners



### Analog

Compact and sturdy electro-pneumatic positioner. Simple calibration, external zero adjustment. High gain pilot valve. Available in Standard, Intrinsically Safe and Explosion proof versions. Modular feedback unit allows for the addition of limit switches and/or position transmitters.



### Digital

Electronically configurable positioners with low air consumption, and varied communication capabilities and designed for mounting on linear or quarter turn actuators. Available with various communication protocols: HART 5, HART 7, PROFIBUS PA, FOUNDATION Fieldbus as well as other interfaces, as well as a wide range of special features: Intrinsically Safe, Explosion Proof, Fail-safe, Fail-freeze, Feedback + Alarm plug in module, remote mounted, etc.

# Accessories for pneumatic actuators

## Air Flow Regulators

Flow regulator with Namur interface for 3 or 5-way solenoid valves, for a precise regulation of the operating time.  
Used to adjust closing and opening speed of pneumatic actuators.



## Silencers

Silencers with different materials for nipple and filter element.  
Flat filter and hexagonal key on nipple.  
Available in sintered bronze, plastic, etc.  
Special configurations for high flow requirements available.



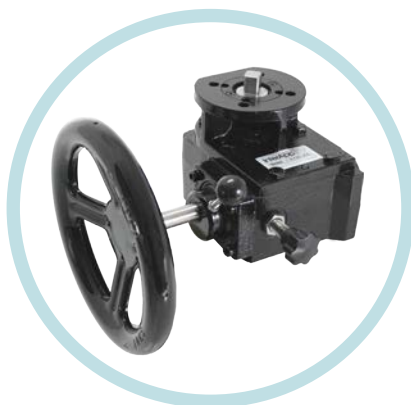
## Other accessories

Mounting kits for different ISO 5211 connection.  
In different material qualities.  
Shaft extensions of diverse lengths and materials.



## Declutchable gearboxes

Industrial manual overrides, for pneumatic actuators.  
For double or single acting pneumatic actuators.  
Cast iron housing, of rugged construction and polyurethane coated.  
Sealed to IP65 with option for IP68 and IP69.  
Torque Range: 150 to 17000 Nm.



## Electric actuators\*



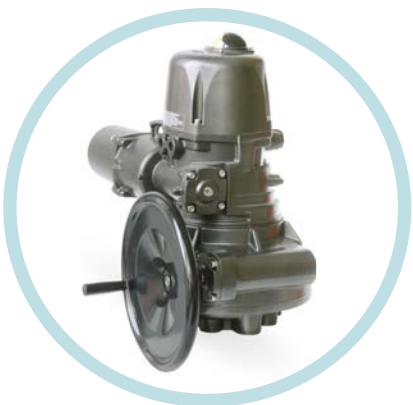
### BERNARD CONTROLS

BERNARD CONTROLS Industrial electric actuators.  
Quarter turn or Multi-Turn, with operating torques up to 500.000 Nm.  
Power supply: AC / DC and three-phase.  
For On-Off and Modulating applications.  
Special executions available: Explosion-proof, fail-safe executions, etc.



### AUMA

AUMA Industrial electric actuators.  
Quarter turn or Multi-Turn, with operating torques up to 120.000 Nm.  
Power supply: AC / DC and three-phase.  
For "On-Off" and Modulating applications.  
Special executions available: explosion-proof, fail-safe executions, etc.



### VALPES

VALPES Electric actuators.  
Quarter turn with operating torques up to 2400 Nm.  
Multi-voltage, manual override.  
For "On-Off" and modulating applications.  
Special executions available: explosion-proof, fail-safe executions, etc.



### ER

Electric actuator quarter turn, with manual override for HVAC applications.  
Polyamide 66 reinforced with glass fibre housing.  
Operating torques up to 100 Nm.  
Multi-voltage.  
Optional: fail-safe, positioners, extra limit switches, etc.

\*Any other brand can be supplied on request



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