

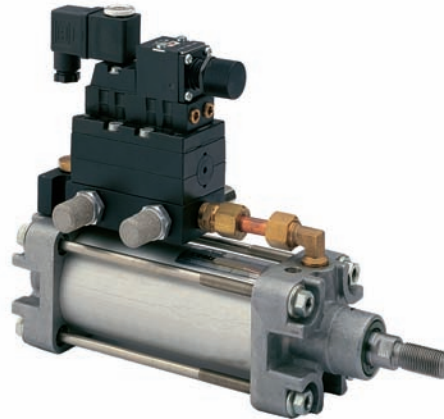
MAIN FEATURES

The high performance linear pneumatic cylinders have been designed to drive all kinds of industrial valves: linear, gate, globe and diaphragm. With different mounting options these linear pneumatic cylinders are also suitable for quarter turn valves such as butterfly, ball, plug, dampers, etc.

- Designed for medium-heavy duty work, according to the ISO 6431 Standard.
- On/Off or Modulating.
- Standard service temperature from -10°C to $+70^{\circ}\text{C}$.
- Thrust ranges from 75 Kg to 7.200 Kg.
- Magnetic pistons available as an optional extra.
- Manufactured from corrosion resistant materials.
- The on/off actuator type can be controlled either pneumatically or electrically depending on the installation requirements.
The modulating type actuators can be controlled either pneumatically (3-15 psi or 0,2-1 bar) or electrically (4-20mA, 0-10V).
- Actuator control valve incorporated with the pneumatic cylinder to form a compact and integrated unit.
- Additional control elements are available on demand to allow cylinders to be adapted to the demands of specific applications: e.g. position detectors, fail safe systems, flow regulators, etc.



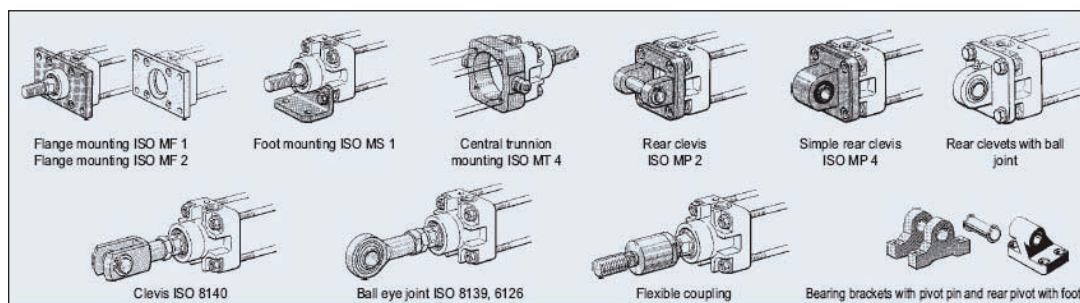
ON/OFF



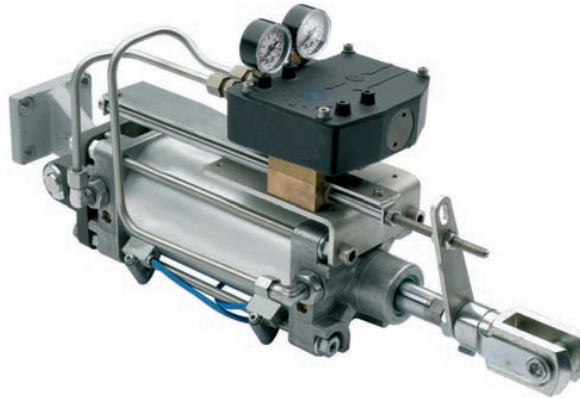
| TECHNICAL DATA | PNEUMATIC CONTROL | ELECTRIC CONTROL |
|--|-------------------|------------------|
| Bore sizes: 50 to 400 mm | YES | YES |
| Available strokes: 80 to 2500 mm | YES | YES |
| Max. working pressure 10 bar | YES | YES |
| Single or double solenoid or 5/3 valve | YES | YES |
| Control signal | 3-10 bar | 24,48V/110,220V |
| Magnetic piston (optional) | YES | YES |
| Cushioning at the ends | YES | YES |
| Built-up in anodized aluminium and steel | YES | YES |
| Other materials under request | YES | YES |
| Standard electric protection degree | - | IP-65 |
| Service temperature -10°C to + 70°C | YES | YES |

| CYLINDER (mm) | PUSHING THRUST (N at 6 bar) | PULLING THRUST (N at 6 bar) |
|---------------|-----------------------------|-----------------------------|
| 50 | 1176 | 990 |
| 63 | 1860 | 1680 |
| 80 | 3000 | 2718 |
| 100 | 4680 | 4230 |
| 125 | 7320 | 6840 |
| 160 | 12060 | 11280 |
| 200 | 18840 | 18060 |
| 250 | 29460 | 27600 |
| 320 | 48240 | 46380 |
| 400 | 75390 | 74200 |

MOUNTINGS



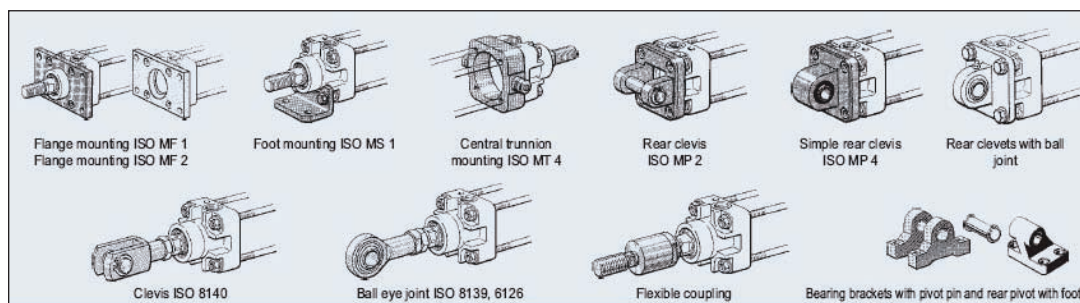
MODULATING




| TECHNICAL DATA | PNEUMATIC CONTROL | ELECTRIC CONTROL |
|--|-------------------|------------------|
| Bore sizes: 50 to 400 mm | YES | YES |
| Available strokes: 80 to 2500 mm | YES | YES |
| Max. working pressure 10 bar | YES | YES |
| Single or double solenoid or 5/3 valve | YES | YES |
| Control signal | 3-10 bar | 24,48V/110,220V |
| Magnetic piston (optional) | YES | YES |
| Cushioning at the ends | YES | YES |
| Built-up in anodized aluminium and steel | YES | YES |
| Other materials under request | YES | YES |
| Standard electric protection degree | - | IP-65 |
| Service temperature -10°C to + 70°C | YES | YES |

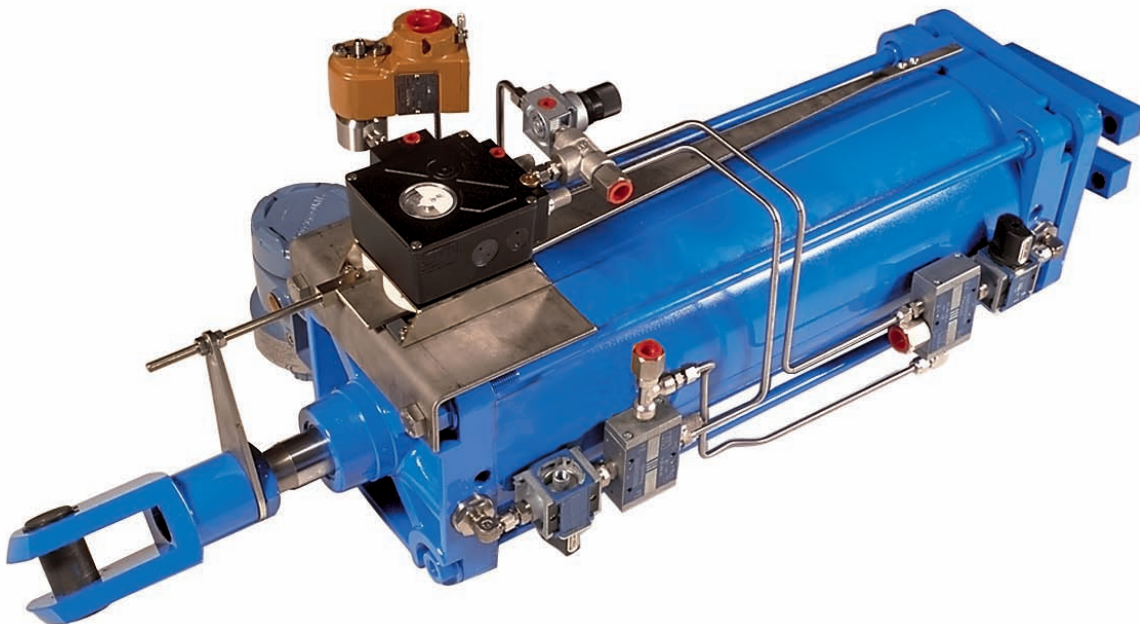
| POSITIONER VALVE: | PR-730 | PR-731 | PR-733 (ATEX) |
|-------------------|--|--|--|
| Function | Reversible 0% control signal, piston rod inside or outside | Reversible 0% control signal, piston rod inside or outside | Reversible 0% control signal, piston rod inside or outside |
| Control signal | neum.: 0,2-1 bar; 3-15psi | elect.: 4-20mA, 0-10 V. | 4-20mA, ATEX Eexia II CT6 |

MOUNTINGS



SPECIAL SOLUTIONS

- Limit switches.
- Positioner.
- Fail safe systems.
- Manual override.
- Manual drive.
- Physical safety systems: covers, bellows, etc.
- ATEX 
- Special applications for Off-shore, Petrochemical, etc.



APPLICATIONS

The linear pneumatic cylinders are reliable in every case, from driving a simple gate valve to a high demanding application.

Linear cylinders always adapt to our customer most demanding specifications.

Some of the most common applications for these actuators are:

- Gate valves.
- Knife gate valves.
- Ball valves.
- Butterfly valves.
- Plug valves.
- Dampers & Diverters.
- Special valves.



We offer solutions to the specific demands of the most varied Industry Sectors:

- Energy. Power generation.
- Water and wastewater.
- Petrochemical.
- Mining.
- Iron and steel industry.
- Gas.