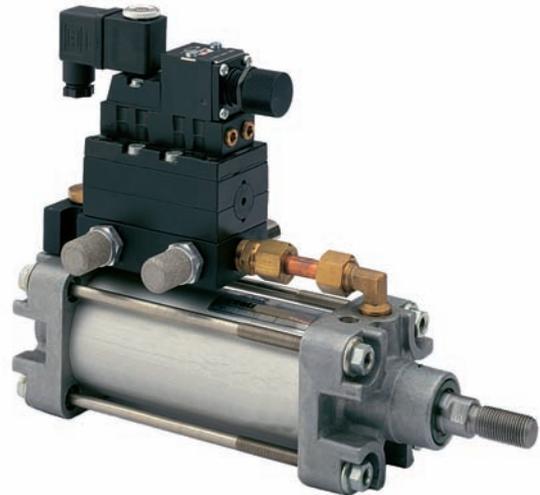


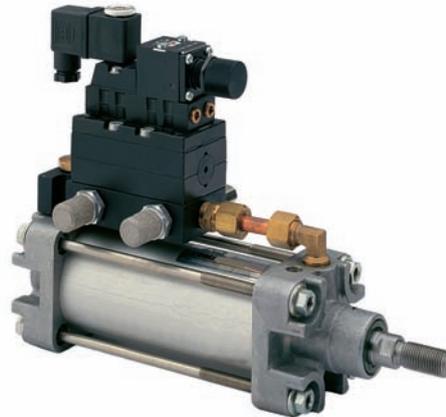
**MAIN FEATURES**

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°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.



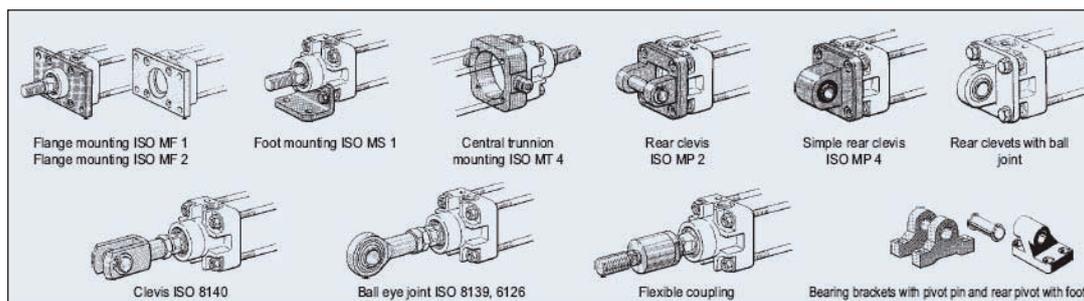
**ON/OFF**



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**



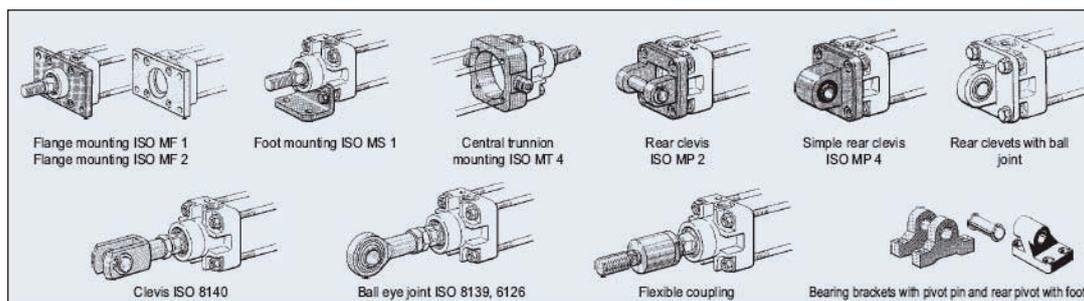
**MODULATING**



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

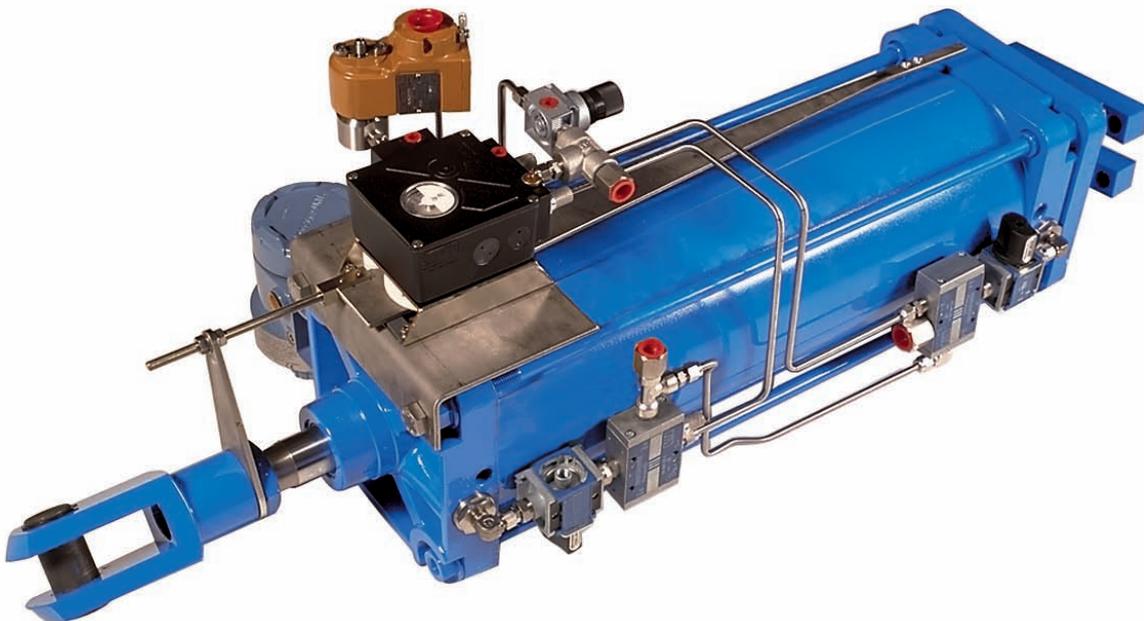
POSITIONER VALVE:	PR-730	PR-731	PR-733 (ATEX)
Function	Reversible 0% control signal,piston rod inside or outside	Reversible 0% control signal,piston rod inside or outside	Reversible 0% control signal,piston rod inside or outside
Control signal	neum.:0,2-1 bar;3-15psi	elect.:4-20mA,0-10 V.	4-20mA,ATEX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