

P Series Pneumatic Actuators (Aluminum)

Features

Application Diversity

- Normal working temperatures are -32°C to 90°C.
- They may be actuated with air, water, natural gas or non-aggressive fluids up to 120 psi pressure.

Long Cycling Life

- Double O-ring shaft seals
- Massive teeth engagement between racks and pinion
- Balanced internal forces
- Minimal backlash and no play in parts
- Self-Lubricating O-Rings

Compact, Simple Design

- Double piston, double rack and pinion design supplies constant torque output
- All porting is integral

Light Weight

- High torque to weight ratio

Standard ISO and NAMUR Dimensions

- Permits easy mounting of control accessories to actuator and actuator to valve

CHEMLINE
Plastics Limited
Your Pipeline To Quality

**for Chemline
Ball Valves and
Butterfly Valves**

MODEL: PADA00 – Aluminum Double Acting
PASR00 – Aluminum Spring Return

CONTROL PRESSURE: 80 psi

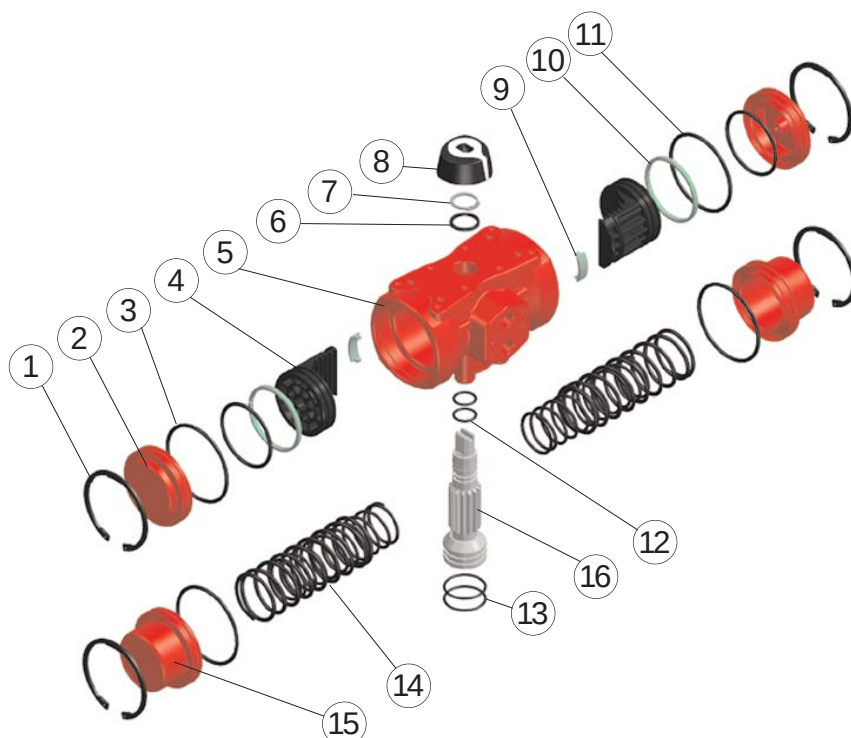


PARTS

▲ Recommended Spare Parts

No.	Part	Pcs.	Materials
1▲	Snap Ring	2	Steel ²
2	Double Acting Cap	2	Aluminum Alloy ¹
3▲	Cap O-Ring	2	Nitrile Buna-N
4	Piston	2	Polyarilamide
5	Cylinder	1	Aluminum Alloy ^{1,2}
6	Washer	1	Polyamide 6
7	Spring Clip	1	Steel ³
8	Position Indicator	1	Polyamide
9	Piston Guide	2	Polyacetal
10	Guide Ring	2	Polyacetal
11▲	Piston O-Ring	2	Nitrile Buna-N ⁴
12▲	Upper Shaft O-Ring	2	Nitrile Buna-N ⁴
13▲	Lower Shaft O-Ring	2	Nitrile Buna-N ⁴
14	Springs Set	1	DIN-17223-C ¹
15	Spring Return Cap	2	Aluminum Alloy ¹
16	Shaft	1	303 SS

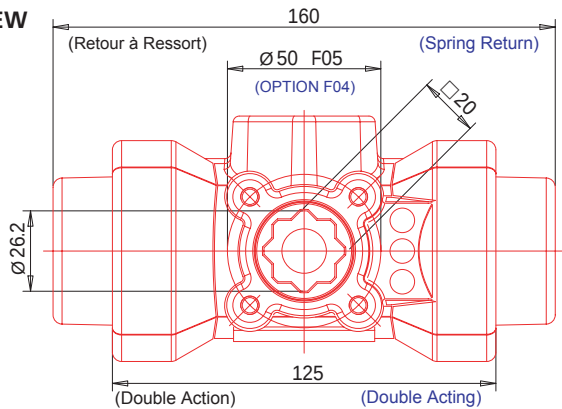
1. Covered with Polyamide.
2. Covered with Cataphoresis.
3. Covered with Nickel-Teflon®.
4. Self-Lubricating Nitrile Buna-N.



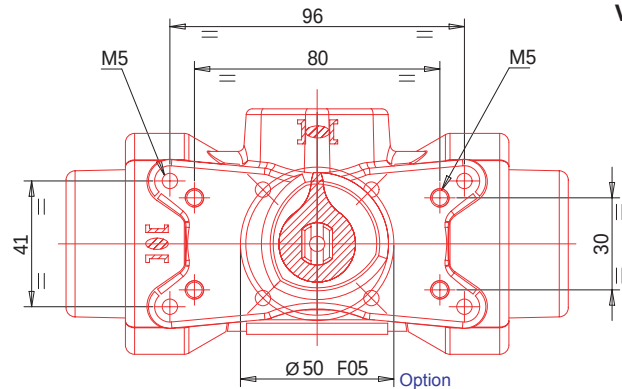
Aluminum Pneumatic Actuators



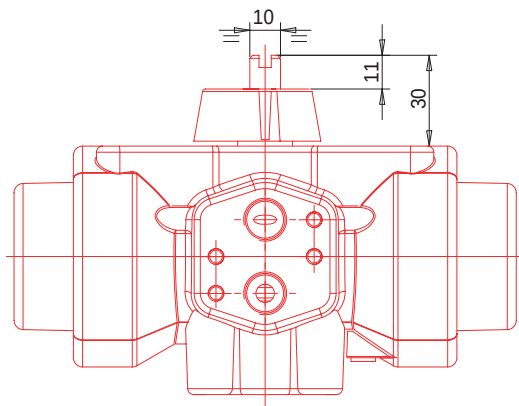
**BOTTOM
VIEW**



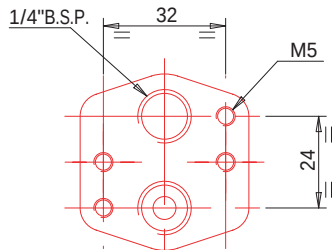
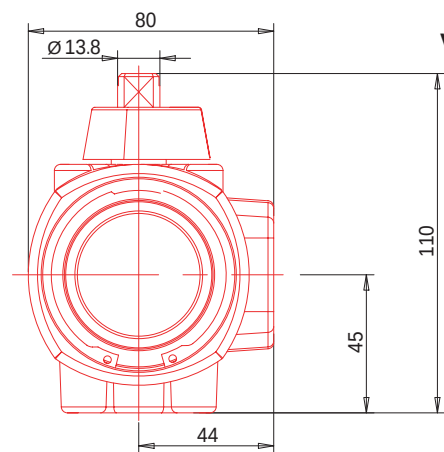
**TOP
VIEW**



**FRONT
VIEW**

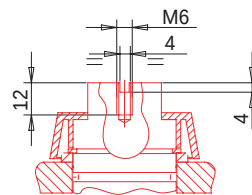


**END
VIEW**

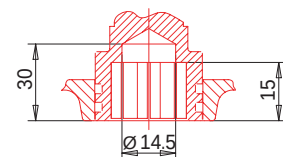


Dimensions
in mm, unless
otherwise stated.

NAMUR SOLENOID PAD



TOP SHAFT DETAIL



BOTTOM SHAFT DETAIL

CYCLE TIMES SECONDS

WEIGHTS

CAPACITY LITRES

TORQUE

AT 80 PSI AIR PRESSURE

Model No.	To Open	To Close	Lbs.	Kg.	To Open	To Close	Air Start	Spring End
PAD00	0.15	0.15	2.20	1.00	0.15	0.10	202	—
PASR00	0.20	0.20	2.75	1.25	0.15	—	102	100

ISO – 5211 MOUNTING SPECIFICATION

Model No.	Bolt Circle	Thread	Depth
PAD00	50mm (F05)	M6	18mm
PASR00	50mm (F05)	M6	18mm



Your Pipeline To Quality Valves, Piping, Flow Meters and Controls

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Established in 1968