iPolymer | Air Cylinders

Air Cylinders

Air Cylinders are used where splash-back or fumes from highly aggressive chemicals are prime concerns. These Polypropylene or PVDF cylinders provide strength, durability and reliability in severe service actuation applications near corrosive chemicals.

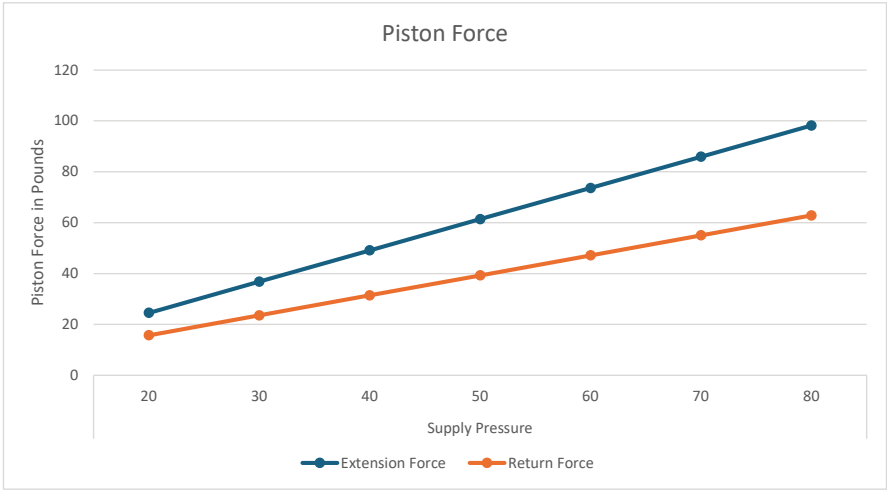
Air cylinders are available in strokes from 1–16 inches and have standard easy-to-use mounting and optional position sensors. Our Air Cylinders are design to drive: 90 lbf | 400 N | 40.8 kg.

The weight an Air Cylinder can push and pull depends on the orientation, sliding surface friction, gravity, desired speed, travel distance, available air pressure, the pneumatic circuit design, and other factors.

Applications

- Remotely actuate doors, drawers
- Actuate drains and vents
- Repositioning of process loads

Performance



**Some efficeincey loss is associated with exhaust rate and friction loss due to O-ring drag expected. Design systems accordingly with minimum 10X safety margin.*

Specifications

Cylinder Bore	1-1/4"
Port Connections	1/8 FNPT
Min. Actuation Pressure (psi)	20
Max. Actuation Pressure (psi)	80
Max. Ambient Temperature **- Polypropylene** **- PVDF**	 160º F / 70º C 212º F / 100º C
O-Rings Material	FKM (Viton Eq.)
Rod Style Thru Hole (in)	1/8

Ordering

Part	Materials	Stroke (in)
AC-POL-01VTVTA	Natural Polypro	1
AC-POL-02VTVTA	Natural Polypro	2
AC-POL-03VTVTA	Natural Polypro	3
AC-POL-04VTVTA	Natural Polypro	4
AC-POL-05VTVTA	Natural Polypro	5
AC-POL-06VTVTA	Natural Polypro	6
AC-POL-07VTVTA	Natural Polypro	7
AC-POL-08VTVTA	Natural Polypro	8
AC-POL-09VTVTA	Natural Polypro	9
AC-POL-10VTVTA	Natural Polypro	10
AC-POL-11VTVTA	Natural Polypro	11
AC-POL-12VTVTA	Natural Polypro	12
AC-POL-16VTVTA	Natural Polypro	16
AC-POL-15VTVTA	Natural Polypro	15
AC-PVDF-08VTVTA	PVDF	8

Lengths >7 inches require minimum order quantities.
Clevis bracket with stainless steel screws available.

Dimensions