

ACTUATORS AND CONTROLS

Pneumatic Actuators – **New AD and AS** (Sizes 0025 to 0350)

APOLLO RACK & PINION

Designed and manufactured for the ultimate in durability and reliability, the new Apollo® Pneumatic Rack & Pinion Actuators provide outstanding service life.

Apollo Rack & Pinion actuators have replaceable insert drive adapters in all but the largest models, and many units have dual “F” series bolt patterns. The numerous actuator drive and bolt pattern combinations allow direct mounting of several valve styles.



FEATURES

- 1. Cast Aluminum Body**
Yellow Chromate Powder Coat Finish
- 2. Die Cast Aluminum End Caps**
Yellow Chromate Powder Coat Finish
- 3. Die Cast Aluminum Pistons**
Yellow Chromate Coated
- 4. Aluminum Alloy Pinion**
Hard-coat Anodized Finish
- 5. Drive Inserts**
Extruded Aluminum
Hard-coat Anodized Finish
- 6. Preloaded Concentric Springs**
Delta-Tone® Coated
- 7. Bushings**
Polyoxymethylene (POM)
- 8. O-Ring Seals**
Standard Temp. (-4°F to 180°F): Buna-N
High Temp. (-4°F to 250°F): Fluorocarbon
Low Temp. (-40°F to 180°F): Silicone
- 9. Capscrews, Nuts & Other Hardware**
Stainless Steel or Delta-Tone® Coated

BENEFITS

- Compact Rack & Pinion Design
- Quarter-Turn Operation
- Designed for use on a variety of Valve Types:
Ball Valves, Butterfly Valves, Plug Valves
- Applicable to Damper and Door Openers
- Both Double-Acting and Spring-Return Units
- Double-Acting Torque Outputs from 220 in-lbs to 3547 in-lbs with an 80 psi Air Supply
- Removable/Replaceable Drive Inserts*
- Pre-loaded Spring Assemblies
- ISO 5211 Valve Mounting
- NAMUR (VDI/VDE 3845) Accessory Mounts
- ATEC Classification II, 2 GD, Zones 1 or 2 (Gases) and 21 or 22 (Dust)
- Anti Blow-Out Pinion Design
- Maximum Pressure Rating: 116 psig (8 bar)
- Compatible Media: Clean, Dry Air, Filtered Non-corrosive Gas or Light Hydraulic Oil
- Pre-lubricated for the life of the Actuator
- Chromate Corrosion Protection on all Aluminum Components
- Each Unit is Serialized
- 5 Year Apollo Warranty**

Notes:

* A wide selection of standard inserts is available for Square, DIN and Double-D drives.