 FEATURES

- Eleven Sizes
- Rack and Pinion
- Double Acting and Spring Return
- Four different BREAK and SEAT torque combinations per body size using the pre-loaded spring cartridges
- NAMUR interface for easy solenoid mounting
- Mid body NAMUR interface for easy air and electrical connections
- Anodized cylinders and epoxy coated end-caps secured with stainless steel fasteners for corrosion resistance
- Large piston guides and rings provide minimum cylinder wear and optimum contact between the rack and pinion
- Dual travel stops

### ABZ SERIES 227
**Double Acting Torque Chart**

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Air Consumption (scf per 90 Deg) = (Volume/1728) x (Supply Pressure +14.7)/14.7

### Specifications

Pressure Range .................. 40 to 120 psi

*Temperature Range ................ -4 to 176 degrees F

Stroke ................................ 90 degrees +/- 5 degrees

Media ................................ Dry or lubricated air.

Use of lubricated air, once started, cannot be discontinued.

Lubrication ........................ All moving parts are factory lubricated

No additional lubrication required.

Construction ........................... Suitable for indoor and outdoor installation.

Mounting Dimension ................ ABZ standard for direct mounting capabilities.

ABZ 210 is designed to ISO mount standards.

*High temp and low temp configurations available.*

![ABZ VALVE Logo](Image)
# ABZ Series 227 Data Sheet

## SPRING RETURN TORQUE CHART

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Air Consumption (scf per 90 Deg) = (Volume/1728) x (Supply Pressure x 14.7/14.7)
# ABZ Series 227 Dimensional Information

## ABZ SERIES 227

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<th>C</th>
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**Top View**

10-24 UNC x 0.28 Deep (4 Places)

**Bottom View**

M6 x 0.54 Deep (4 Places)
ABZ Series 227 Mounting Pad Information

ACTUATOR MOUNTING MODELS 50 thru 100

ACTUATOR MOUNTING MODELS 115 thru 160

ACTUATOR MOUNTING MODEL 180

ACTUATOR MOUNTING MODEL 210

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<tr>
<td>ABZ100</td>
<td>0.503</td>
</tr>
</tbody>
</table>

Notes:
Stem adaptors available for direct mounting.
SERIES 227 PARTS LIST

NO. NAME
1   ☐ BODY
2   ☐ ANTI-BLOWOUT PINION
3   ▼ BOTTOM PINION BUSHING*
4   ▼ BOTTOM PINION O-RING*
5   ▼ TOP PINION BUSHING*
6   ▼ TOP PINION O-RING*
7   ▲ TRAVEL STOP CAM
8   ▼ STOP CAM SPACER*
9   ▼ TOP PINION SPACER*
10  ▲ TOP PINION WASHER
11  ▲ PINION SNAP RING
12  ★ POSITION INDICATOR
13  ▲ CAP SCREW (INDICATOR)
14  ▼ TRAVEL STOP O-RING*
15  ▲ TRAVEL STOP WASHER
16  ▲ TRAVEL STOP NUT
17  ▲ TRAVEL STOP BOLT
18  ▼ PISTON GUIDE PLATE*
19  ▼ PISTON O-RING*
20  ▼ PISTON GUIDE RING*
21  ▼ END CAP SEALS*
22  ● PISTON
23  △ SPRING CARTRIDGE
24  ■ END CAP
25  ▲ END CAP BOLTS

*Recommended Spare Parts Kit

Materials of Construction

☐ Extruded Aluminum alloy.................................Hard Anodized
■ Die Cast Aluminum........................................Blue Epoxy Coated
● Steel............................................................Nickel Plated
● Die Cast Aluminum alloy ................................Natural
▼ POM ...............................................................Natural
▼ NBR70 ..............................................................Electrophoretic
△ Spring Steel.....................................................Natural
▲ Stainless Steel................................................Natural
★ Nylon..............................................................Natural