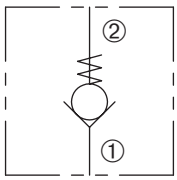
# ZC-62

Direct-Acting, Ball-Type
Check Valve

Deltrol FLUID PRODUCTS

**ZERO PROFILE**





## DESCRIPTION

A cartridge valve designed to allow free flow in one direction, while preventing flow in the opposite direction. This valve is commonly used as a load-holding or blocking valve.

## OPERATION

Pressure at ① overcomes the spring-bias ball and allows free flow to ②. Flow in the opposite direction, from ② to ①, is blocked by the ball.

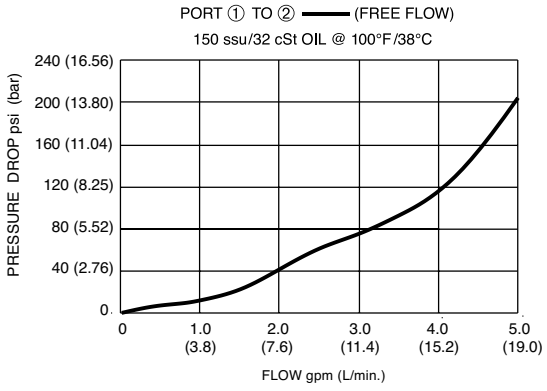
## FEATURES and BENEFITS

- Slip in style.
- Torlon® ball for positive shut-off.
- Low leak.
- Compact size.

## SPECIFICATIONS

**Operating Pressure:** 3000 psi (207 bar)
**Flow:** See PRESSURE DROP VS. FLOW graph.
Nominal Flow 4 GPM (15.1 lpm)
**Internal Leakage:** 2 drops/min max. at 3000 psi (207 bar)
**Crack Pressure:** 1-2 psi (0.07-0.14 bar)
5 psi (0.3 bar)
30 psi (2.1 bar)
**Temperature:** -30°F to +250°F (-35°C to +120°C)
**Recommended Filtration:** Critical Application – ISO 17/15/13
Non-Critical Application – ISO 20/18/14
**Fluids:** Mineral-based fluids.
For other fluid compatibility, consult factory.
**Cavity/Cavity Tool:** ZP62, see page 11.06.2
**In-Line Body Material:** Anodized 6061T6 aluminum alloy rated at 3000 psi (207 bar).

## PRESSURE DROP VS. FLOW



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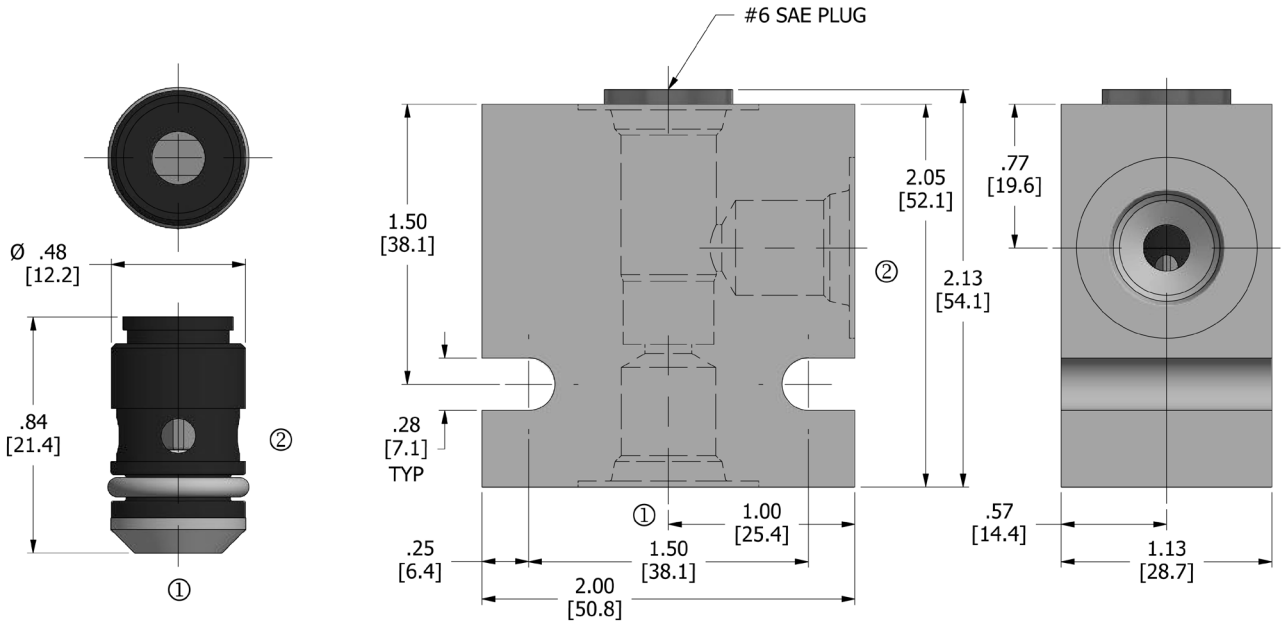
## DIMENSIONS Inches [Millimeters]




## HOW TO ORDER

| ZC | - | 62 | - | U | - | ** | - | ** |
|---|---|---|---|---|---|---|---|---|
| Check Valve | | Cavity | | Seals | | Crack Pressure | | Porting |

| Seals | | Seal Kit |
|---|---|---|
| **U** | Urethane | (1) 10195-25 |

| Crack Pressure† | |
|---|---|
| **1** | 1-2 psi (0.07-0.14 bar) |
| **5** | 5 psi (0.3 bar) |
| **30** | 30 psi (2.1 bar) |

| Porting† | | In-Line Body w/o Cartridge |
|---|---|---|
| omit | Cartridge only | |
| **4T** | SAE 4 | B-ZP62-A-4T |
| **6T** | SAE 6 | B-ZP62-A-6T |

*† Other options available – consult factory*

*Valve and In-Line Body are supplied individually and need to be assembled. For a completed assembly consult the factory.*

*All variations may not be configurable. Minimum order quantities may be required on other models. Contact Deltrol Fluid Products for complete details.*