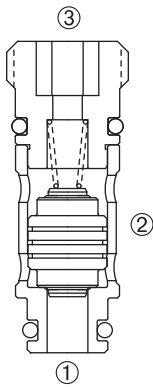
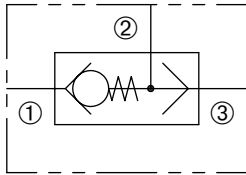


# ZSH2-63

Zero Leak, Spring-Bias  
Shuttle Valve

## ZERO PROFILE



### DESCRIPTION

A cartridge valve designed to direct flow from either of the two inlet ports to a common outlet port.

### OPERATION

The ZSH2-63 allows the spring-bias poppet to move away from inlet port ① (biased closed) or ③ with the greatest differential pressure and seat against the other inlet port having the least differential pressure. This provides a flow path to outlet port ②.

### FEATURES and BENEFITS

- Excellent response to pressure changes.
- Zero leak.
- Compact size.

### SPECIFICATIONS

**Operating Pressure:** 3000 PSI (207 Bar)

**Flow:** See PRESSURE DROP VS. FLOW graph.  
Nominal flow 4 gpm (15.1 L/min.)

**Internal Leakage:** 0 drops/min. max. at 1500 PSI (103 Bar)

**Temperature:** -30°F to +250°F (-35°C to +120°C)

**Recommended Filtration:** Critical Application – ISO 17/15/13

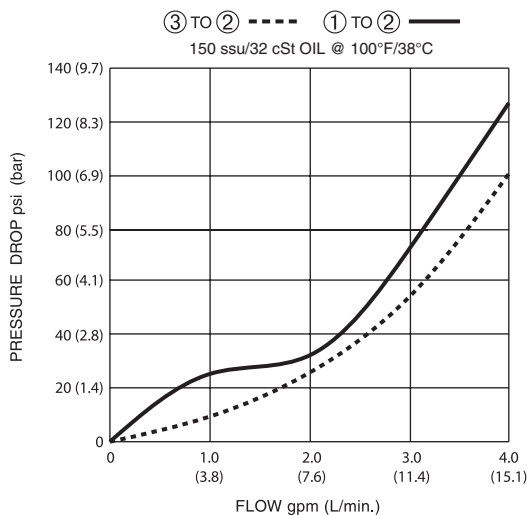
Non-Critical Application – ISO 20/18/14

**Fluids:** Mineral-based fluids. For other fluid compatibility, consult factory.

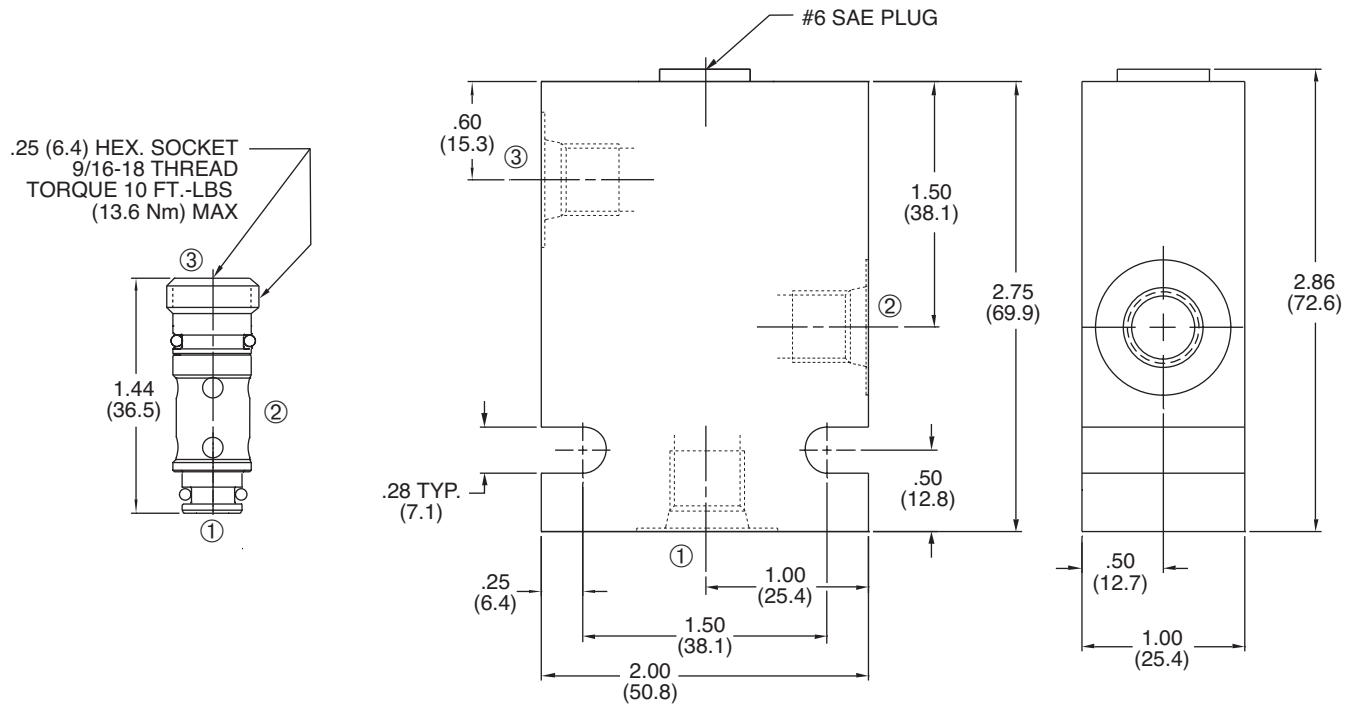
**Cavity/Cavity Tool:** ZP63, see page 11.06.3

**In-Line Body Material:** Anodized 6061T6 aluminum  
alloy rated at 3000 PSI (207 Bar).

### PRESSURE DROP VS. FLOW



## INSTALLATION DIMENSIONS



( ) Parentheses = Millimeters

## HOW TO ORDER

