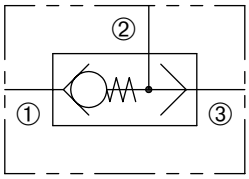
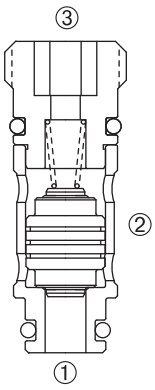
ZSH2-63

Zero Leak, Spring-Bias
Shuttle Valve

Deltrol FLUID PRODUCTS

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.

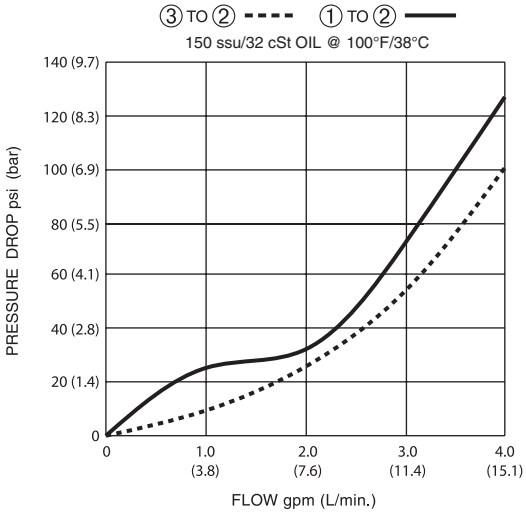
FEATURES and BENEFITS

- 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



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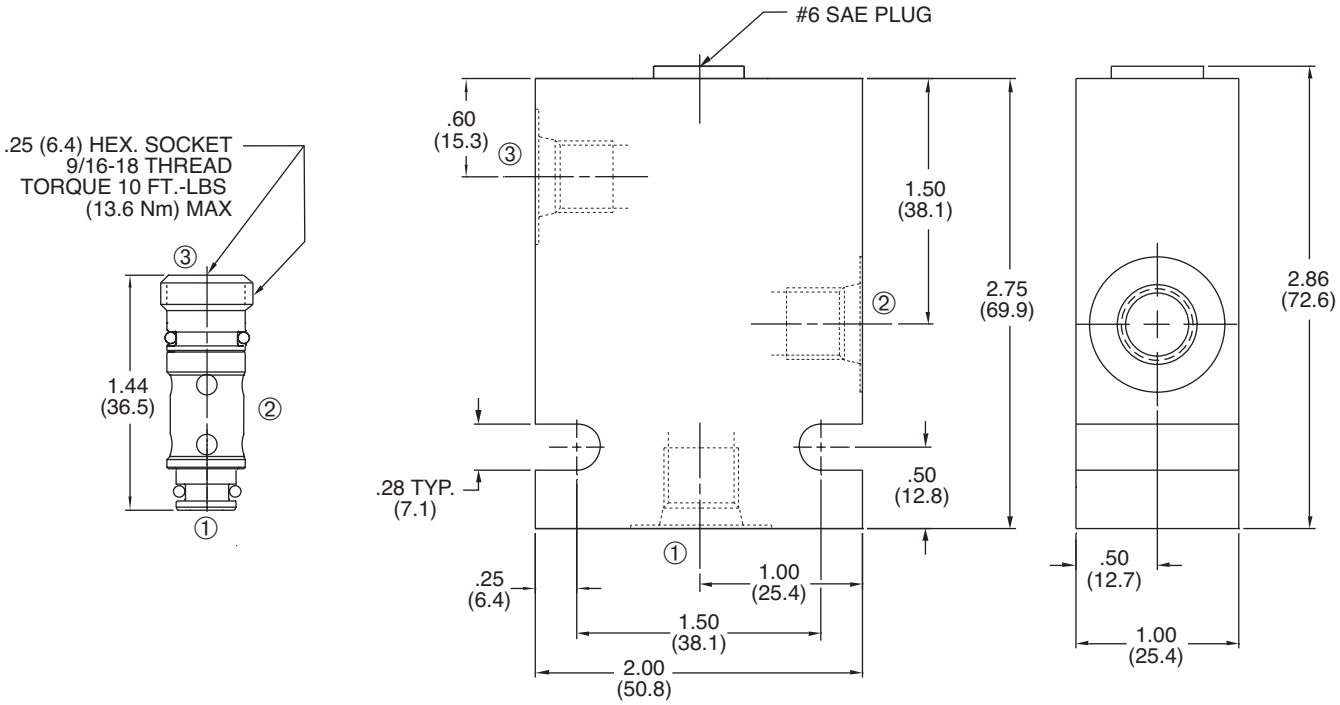
INSTALLATION DIMENSIONS



( ) Parentheses = Millimeters

HOW TO ORDER

ZSH 2 - 63 - U - **

- ZSH — SHUTTLE VALVE
- 2 — SPRING-BIASED
- 63 — CAVITY
- U — SEALS
  U = Urethane
- ** — PORTING
  4T = SAE 4
  6T = SAE 6
  Omit for Cartridge Only.