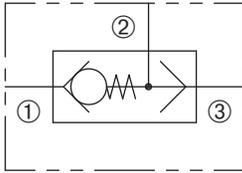


ZSH2-63

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.
- 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: 5 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

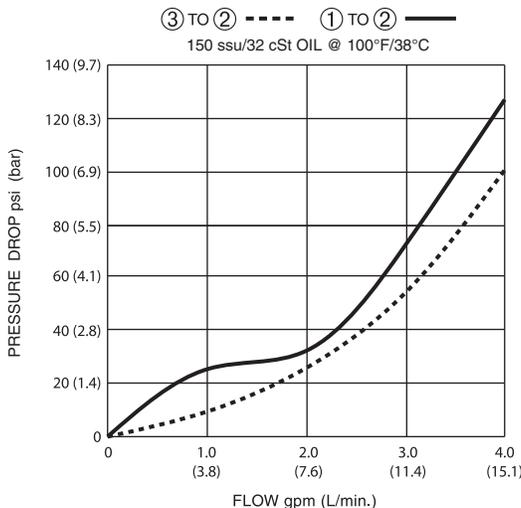
Non-Critical Application – ISO 20/18/14

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

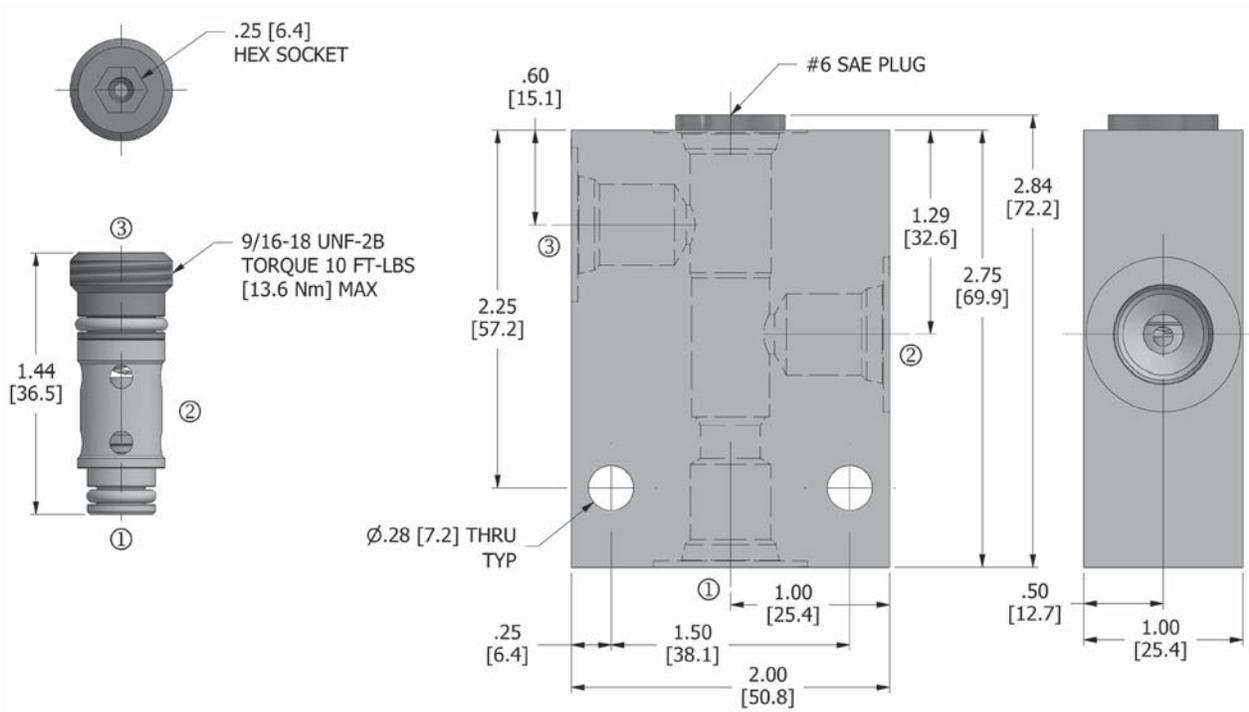
Cavity/Cavity Tool: ZP63, see page 11.06.3

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

PRESSURE DROP VS. FLOW



DIMENSIONS Inches [Millimeters]



HOW TO ORDER



Seals		Seal Kit
U	Urethane	(1) 10195-24 (1) 10195-25

Spring-Biased	
2	Spring-biased port ① Cracking pressure: 1-2 psi
omit	No spring

Porting		In-Line Body w/o Cartridge
omit	Cartridge only	
4T	SAE 4	B-ZP63-A-4T

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