



SPOTLIGHT ON INNOVATION

LEE DETENTED SHUTTLE VALVES

Lee detented shuttle valves are now available in four mounting configurations which provide customers maximum flexibility when designing their hydraulic systems. Insert configurations featuring The Lee Company's controlled expansion locking end are available in 0.281", 0.375" and 0.500" diameter models. Cartridge configurations are available in 0.295", 0.358" and 0.483" diameters. T-fitting and threaded LRU configurations can be tailored to a customer's specific requirements.



Lee detented shuttle valves allow two pressure sources to be connected to the same system. The poppet shuttles between the two inlet ports to isolate the normal and emergency pressure sources. Unlike a spring biased shuttle valve where the spring holds the poppet on one seat, the detent mechanism latches the poppet on either seat. This is beneficial when bi-directional flow is needed in either poppet position, such as applying and releasing the brakes in braking systems.

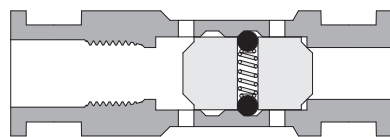
Lee detented shuttle valves are found in engine applications with multiple fuel sources and hydraulic systems that require an emergency backup system such as landing gear doors, landing gear actuators and braking systems. If the emergency system uses a pressure source with a limited volume or is a nitrogen blowdown system, eliminating leakage will be a critical performance requirement. All mounting configurations of Lee detented shuttle valves are also available with polymeric or elastomeric seat materials to provide zero leakage.

FEATURES

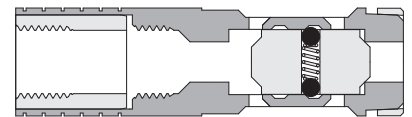
- Connect Two Pressure Sources to One System
- Poppet Latches on Either Seat for Bi-Directional Flow
- Variety of Configurations with Flow Rates up to 20 GPM
- Zero Leak Options Available
- Weight as Low as 4 grams

APPLICATIONS

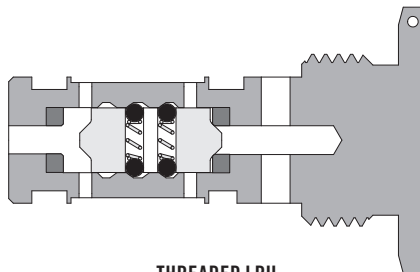
- Landing Gear Doors
- Landing Gear Actuators
- Aircraft Braking Systems
- Engine Fuel Systems
- Downhole Oil Equipment



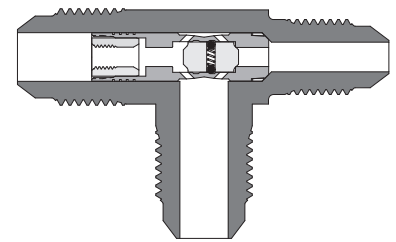
CARTRIDGE



INSERT



THREADED LRU
(with optional zero leak seal)



T-FITTING

ALLOWS TWO PRESSURE SOURCES TO BE CONNECTED TO THE SAME SYSTEM.

THE LEE COMPANY

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