

# SPOTLIGHT ON INNOVATION

# LEE FLOW FUSES



Lee Flow Fuses are individually designed to meet specific requirements. A flow fuse functions as a normally-open check valve. As the flow rate increases beyond a specified value across the valve, a ball or poppet shuts against the valve seat and stops the flow. The valve is commonly sized to provide the typical system operating flow rate with minimal pressure loss when in the open position.

Flow fuses are found throughout critical hydraulic systems. In the event of a system breach, the fuse will sense an increase in flow rate and shut-off, preserving hydraulic power and functions upstream of the fuse. A flow fuse can also function as a vent valve to purge trapped air or vapor out of a fluidic system, such as a fuel system during engine start-up.

Materials used are typically stainless steel, but can be tailored to specific requirements suitable for system pressures up to 15,000 psi.

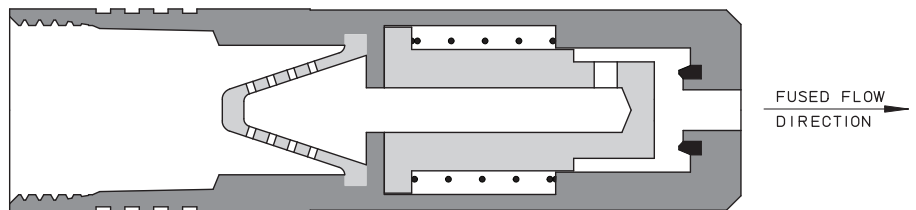
Insert style flow fuses are available in .187, .281 and .375 inch diameters with the fused flow direction available in forward and reverse. Cartridge style flow fuses are available in .295, .483, .798 and .989 inch diameters. A Zero Leak version using an elastomeric seat is also available.

## PERFORMANCE AND FEATURES

- Stainless steel or MP35N construction
- System pressures up to 15,000 psi
- Variety of configurations and flow rates
- Zero leak options available

## APPLICATIONS

- Landing gear and brakes
- High-lift systems
- Thrust reversers
- Engine air bleed
- Downhole oil industry equipment



## PRESERVE UPSTREAM POWER AND FUNCTION

IN CRITICAL APPLICATIONS WHEN YOU NEED IT MOST.

### THE LEE COMPANY

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