

# **FLY WITH OUR EXPERIENCE**

## **CAPSULE**

#### LANDING SYSTEMS

Restrictors

**Check Valves** Relief Valves

Safety Screens

MZ Solenoid Valves

### ORBITAL MANEUVERING

Restrictors

**Check Valves** Relief Valves

Safety Screens

Solenoid Valves

### **OXYGEN SYSTEM**

Restrictors

Safety Screens

Solenoid Valves

### LAUNCH ABORT

Restrictors

**Check Valves** 

Safety Screens

Solenoid Valves

# LAUNCH VEHICLE / ENGINE

### **FUEL/PNEUMATIC CONTROL LINES**

Restrictors

Flow Control Valves

₩--**Check Valves** 

**Shuttle Valves** 

Relief Valves Safety Screens

WZED Solenoid Valves

### STAGE/FAIRING **SEPARATION**

Safety Screens

Restrictors

**Check Valves** 

### **HEAT EXCHANGER**

Check Valves

Safety Screens

### THRUST VECTOR CONTROL

Restrictors

Flow Control Valves **Check Valves** 

Relief Valves Safety Screens

Solenoid Valves

### **GAS GENERATOR**

Check Valves

Safety Screens

### ISOLATION/CONTROL **VALVES**

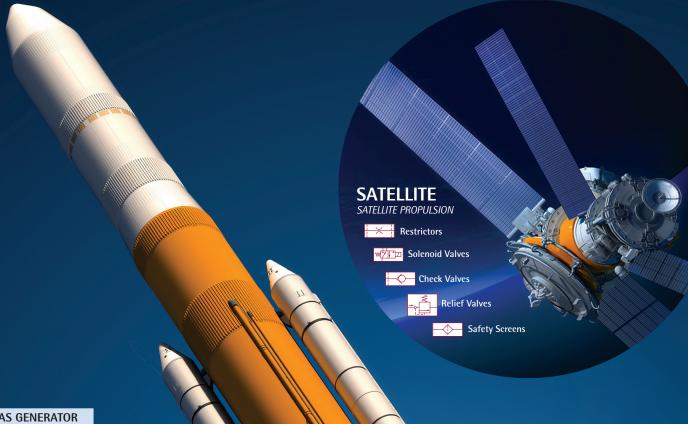
Solenoid Valves **Check Valves** 

Restrictors

Safety Screens

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# innovation in miniature

# PRECISION FLUID CONTROL



# Lee Plugs<sup>®</sup>

- Plug drilled holes without the need for welds, sealants or o-rings
- Wide range of sizes and materials for critical applications
- Proof pressures exceeding 30,000 psid available
- Certified to Boeing and SAE standards



### **Restrictors**

- Single and multi-stage orifices for accurate flow metering
- 100% tested within tolerances as tight as +/-2%
- Integral safety screens
- Multi-orifice configurations increase resistance to contamination and reduce the potential for

cavitation



### **Nozzles**

- Lubrication Jets produce an accurate, solid stream of fluid
- Tested for flow and target-hitting ability
- Spin Jets produce a pressure-atomized hollowcone spray pattern
- Integral safety screens available



### Chek® Valves

- Eliminate backflow with minimal flow restriction in the smallest package
- Screened, side exit and pilot-operated configurations available
- Sizes from 0.093" to 1.5" diameter
- Soft seat options when leakage is critical



### Flow Control Components

- Restrictor Cheks<sup>®</sup> function as a restrictor and check valve in series
- Directional flow control valves function as a restrictor and check valve in parallel
- Floserts® provide a constant flow rate across a wide range of differential pressures



### **Shuttle Valves**

- Provide emergency system isolation or mode select functions
- Selective, spring-biased, detented and inverse configurations available
- Sizes from 0.187" to 0.5" diameter
- Soft seat options when leakage is critical



### **Relief Valves**

- Satisfy a variety of specific pressure relief needs
- Low hysteresis and stable performance
- Offered in a wide range of envelopes, cracking pressures and flow rates
- Thermal relief, soft seat or added dampening features available



### **Safety Screens**

- Provide last chance protection against contamination
- Etched screens maximize open area in an economical design
- Hi-Bar® drilled screens provide high-strength and highly customizable designs
- Variety of sizes, materials, configurations and retention methods available



### **Solenoid Valves**

- Utilize the patented Lee Multiseal<sup>™</sup> for the smallest solenoid in the market
- Fast response times with low power consumption
- Proven reliability
- High flow, soft seat and latching options available



### Positive Displacement Pumps

- Radial piston design with integrated brushless DC motor
- Flow capability up to 235 PPH
- Qualified for 1,000 hours of operation
- Capable of self-priming



Partial view of our Westbrook, CT campus



### The Lee Company

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