BAL SEAL® SEALS IN PILOT-OPERATED CHECK VALVES

Pilot-operated check valves control the fluid flow in a line and require a minimal amount of movement when activated with tight activating pressures. Low-friction, spring-loaded PTFE Bal Seal® seals have the distinct advantage of the patented, canted-coil spring technology, which provides consistent sealing performance. Bal Seal seals have proven reliability and long life.

### Operating Parameters
- **Sealing pressure:** 14 to 150 psi (0.98 to 10.5 kg/cm²)
- **Temperature:** -65°F to 275°F (-54°C to 135°C)
- **Media:** Various liquids and gases
- **Additional:** Low friction, long life and smooth, consistent operation

### Seal Selection: S41X

### Features:
- S41X series seals are designed to stay retained into half-step piston grooves during valve operation.
- The short-lip dynamic design provides lower friction, improved sealing and maximum life.
- Patented, canted-coil spring technology provides near-constant force over the spring’s deflection range, ensuring low frictional drag, consistent sealing and long life.
- Bal Seal Engineering provides filled PTFE seal materials with excellent wear resistance and chemical compatibility as well as other high-temperature engineered plastic compounds to meet long-term application needs.

For more information and technical assistance, consult the Technical Sales Department.