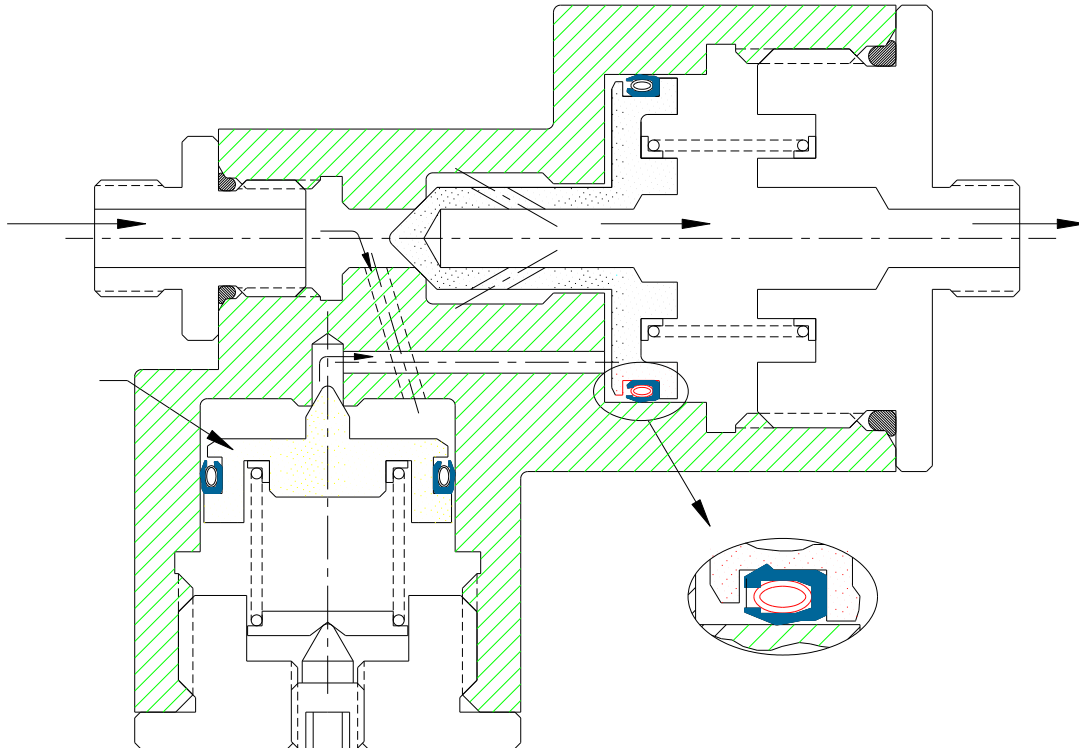


BAL SEAL[®] SEALS IN PILOT-OPERATED CHECK VALVES

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/cm ²)
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.

PATENTS: The items described in this page include products that are the subject of issued United States and foreign patents or products where patents are pending, including the following: Patents 6,641,141 B2; 7,210,398 B2; 6,161,838; 5,992,856; 5,134,244
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