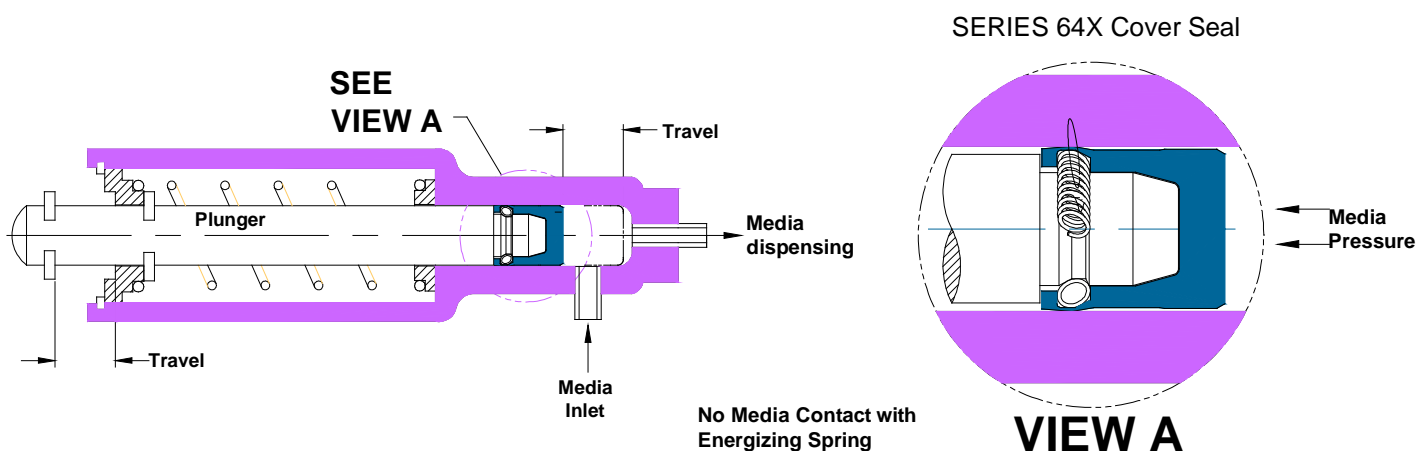


BAL SEAL® SPRING-ENERGIZED SEALS IN FLUID DISPENSING PUMPS

Fluid dispensing pumps deliver various types of reagents, saline solutions, and solvents used in laboratory and medical applications. The Bal Seal® spring-energized seal design and the patented Bal Spring® canted coil spring technology provide sealing dependability.

The proprietary materials used by Bal Seal Engineering, Inc. offer chemical compatibility and low friction, which provide maximum life and sealing reliability.



Operating Parameters:

Sealing pressure: 2 to 45 psi (0.14 to 3.2 kg/cm²)
Typical speed: Slow
Temperature: 70 °F to 266 °F (21 °C to 130 °C)
Media: Acids, solvents and corrosive chemicals

Features:

- The 64X services seal has a snap-on locking feature for ease of assembly and permanently locking of the seal on the piston
- Low dead volume for consistent metering and dispensing of the media
- Patented, Bal Spring canted coil spring technology gives near-constant force over the spring's deflection range, ensuring low frictional drag, consistent sealing, and long life; the spring does not contact the media
- Bal Seal Engineering provides filled PTFE seal materials with excellent wear resistance and chemical compatibility, as well as other high-temperature engineered plastic compounds that meet long-term application needs

Additional: Low friction and chemically inert to most materials and media

For more information and technical assistance, contact a technical sales representative.

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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Bal Seal Engineering, Inc. is certified to ISO 9001