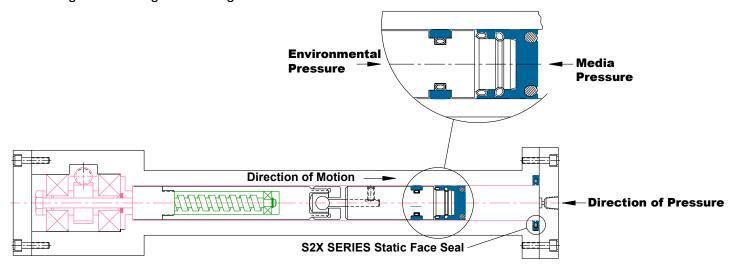


BAL COVER[™] SEAL IN SYRINGE PUMPS FOR LIQUID CHROMATOGRAPHY

Liquid chromatography is a separation technique in which complex mixtures are separated between a mobile and stationary phase.

Bal Seal Series OR-PS15X Cover Seals are used to ensure low dead volume for accurate control of flow rates during the dispensing cycle. Energized by an O-ring and a canted-coil spring for improved sealing. Bal Cover Seals are made from low friction materials that have a high chemical compatibility. A PW series, spring-loaded guide ring, maintains seal and piston concentricity with the bore, thereby reducing side loading and leakage.



Operating Parameters

Pressure: Vacuum to 500 psi (35 kg/cm²)

Speed: .5 in/sec (1.2 cm/sec)

Temperature: 70°F (21°C)
Media: HPLC Solvents

Additional: 304 SS, surface finish 2 to 4 Ra (0.05 to 0.10 μ m)

Seal Selection:

OR-PS15X, S2X, and PW guide ring.

Features:

- Bal Seal OR-PS15X series seal is selected for low dead volume, high chemical compatibility, double acting and snap-on locking for ease of assembly.
- Bal Seal S2 series face seal has radial contact points that create higher contact stress for improved sealing ability.
- Bal Seal PW guide ring uses the patented canted-coil spring technology to energize the guide ring
 as it wears.

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