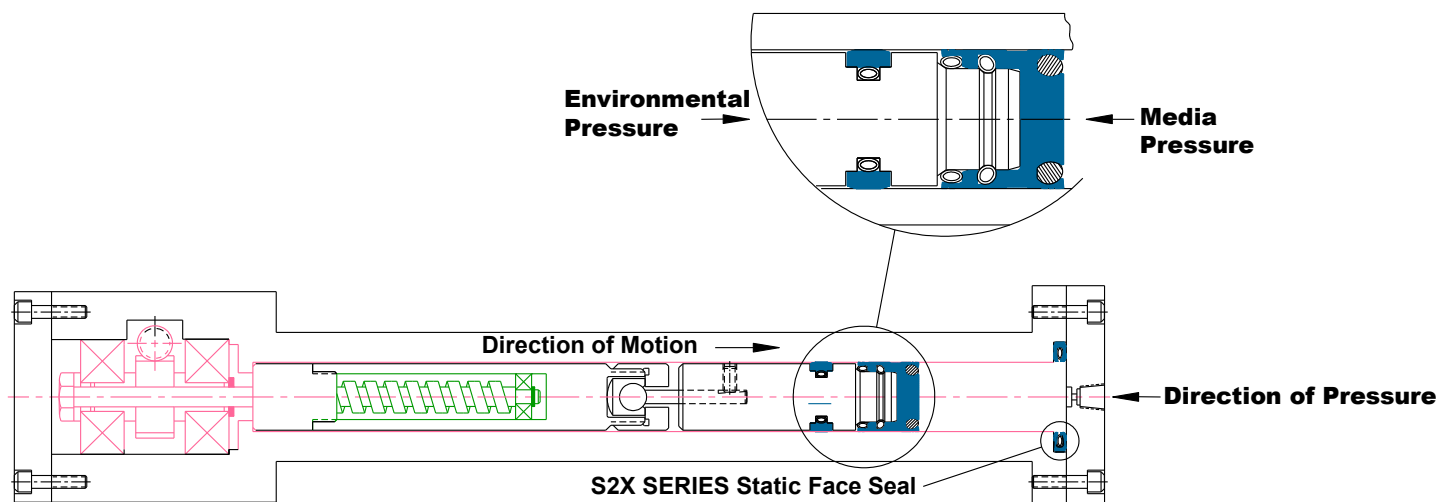


BAL COVER™ SEAL IN SYRINGE PUMPS FOR LIQUID CHROMATOGRAPHY

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/cm ²)
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 μm)

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.

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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