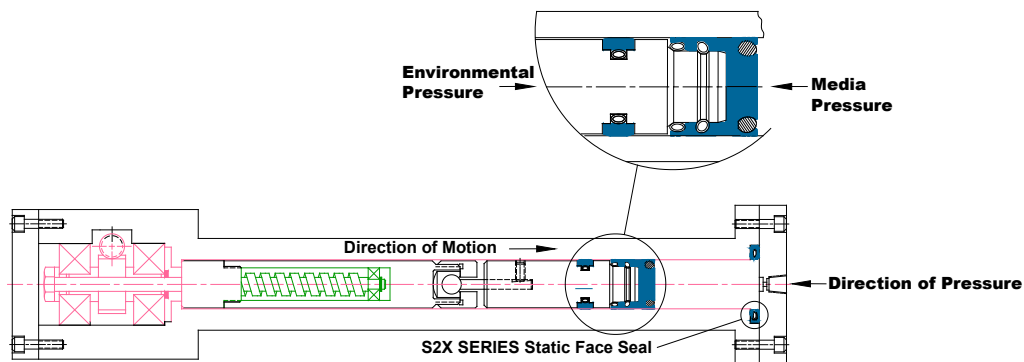


Bal Seal[®] Cover Seal for Syringe Pumps in Liquid Chromatography

Liquid chromatography is a separation technique that divides complex mixtures between a mobile and stationary phase. The Bal Seal[®] cover seal is used to ensure low dead volume for accurate control of flow rates during the dispensing cycle in syringe pumps. Energized by a Bal Spring[®] canted coil spring for improved sealing, the seal is made from low-friction materials that exhibit high chemical compatibility. A PW series, spring-loaded guide ring retains seal and piston concentricity with the bore, reducing side loading and leaks.



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

Our products are custom-engineered to improve the performance and reliability of your designs. For more information about this and other sealing, connecting, conducting, and EMI/RFI shielding solutions, please contact us or visit us at www.balseal.com.

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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Rev. 02-28-19

Bal Seal Engineering is certified to ISO 9001 | www.balseal.com