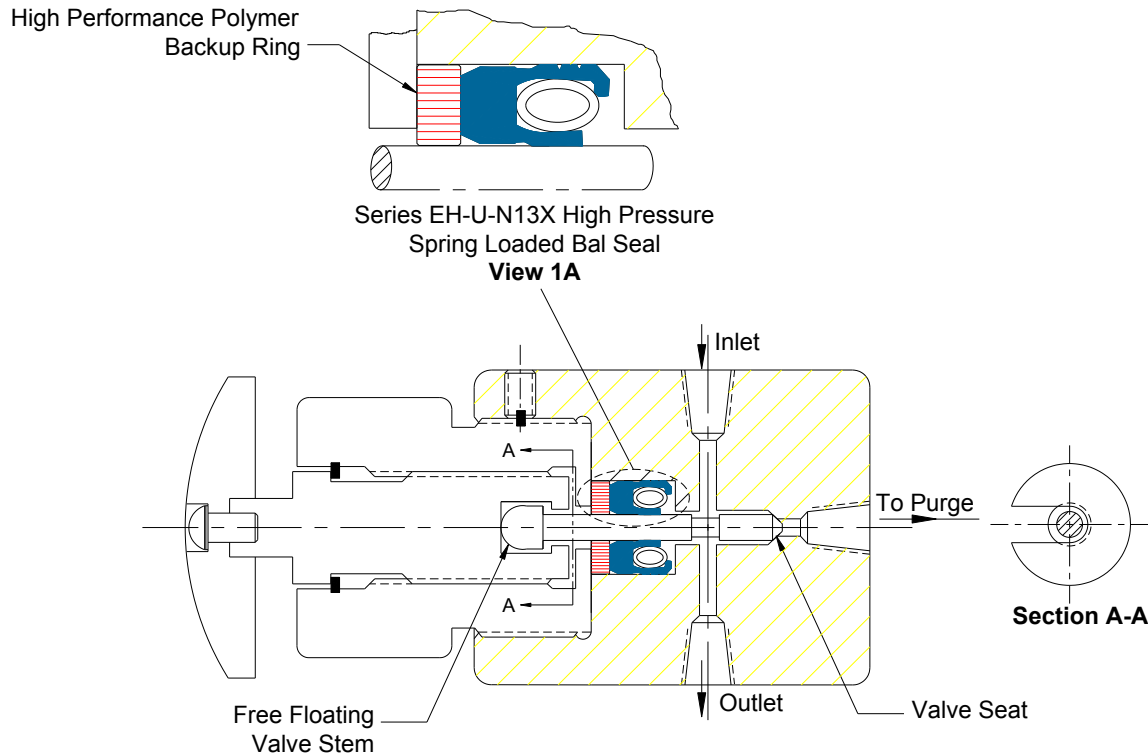


BAL SEAL® SEALS IN HIGH-PRESSURE PURGE VALVES

Purge valves are used in various industries to flush fluids from systems, such as liquid chromatography pumps. In the mobile phase, these pumps contain various fluids that need to be periodically purged from the system. Therefore, the valve should be properly sealed to prevent leakage and to maintain fluid integrity. Bal Seal in-house, fluid-compatible materials, canted-coil spring technology and performance-proven designs provide reliable sealing and long life.



Operating Parameters

Sealing pressure:	10,000 psi (703 kg/cm ²)
Typical speed:	Slow
Temperature:	70°F to 240°F (21°C to 116°C)
Media:	High performance liquid chromatography (HPLC) fluids and other media
Additional:	No particle generation, chemical compatibility and sealing ability

Seal Selection: EH-U-N13X

Features:

- Bal Seal EH-U-N13X series seal with a short lip for improved sealing and longer life.
- Sealing lips have circumferential grooves that provide added sealing edges and retain lubricants.
- Patented, canted-coil spring energizer provides near-constant force for long seal life.
- The back-up ring, made from Bal Seal high-performance polymer materials, supports the seal, prevents extrusion and reduces potential scratching of the dynamic components.

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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