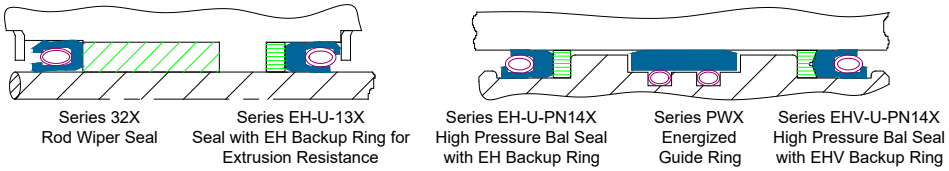
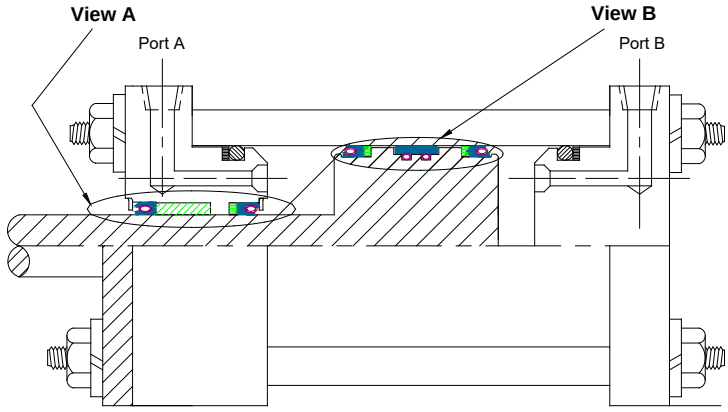
BAL SEAL® SPRING ENERGIZED SEALS IN HIGH-PRESSURE HYDRAULIC CYLINDERS

Numerous industries use hydraulic cylinders in applications such as booster compressors, flight-control actuators, hydraulic-pressure intensifiers, hydraulic-pressure generators, and gas booster pumps. When used with Bal Seal® spring-energized seals, these hydraulic cylinders withstand harsh environments and heavy-duty cycles. Bal Seal spring-energized seals are made in-house of filled PTFE materials.

Hydraulic cylinders can achieve maximum life when supported by Bal Seal spring-energized seals, non-ferrous or high-performance polymer back-up rings, and Bal Spring® canted coil springs.



Series 32X Rod Wiper Seal | Series EH-U-13X Seal with EH Backup Ring for Extrusion Resistance | Series EH-U-PN14X High Pressure Bal Seal with EH Backup Ring | Series PWX Energized Guide Ring | Series EHV-U-PN14X High Pressure Bal Seal with EHV Backup Ring



Operating Parameters:

Sealing pressure:	40,000 psi (2,812 kg/cm^2)
Typical speed:	Slow
Temperature:	-65 °F to 250 °F (-54 °C to 121 °C)
Media:	High-pressure hydraulic fluid, harsh environments and dirt particles
Additional:	Long life, variable pressures, and variable temperatures

Features:

- High-pressure, double-acting, Bal Seal spring-energized seals with Bal Spring canted coil spring energizer for longer life
- High-pressure back-up rings are designed for minimal seal extrusion and are fabricated from non-scratching, low friction materials
- Bal Seal spring-energized guide rings hold the piston concentric for reduced seal wear and reduced cylinder bore scratching from piston misalignment
- Bal Seals spring-energized seals for environmental use provide maximum external sealing, minimal friction and long life

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

U.S. Address: 19650 Pauling Foothill Ranch, CA 92610-2610 • Phone: (949) 460-2100• Fax: (949) 460-2300
BV Address: VIDA Building, First Floor • Kabelweg 57 • 1014 BA Amsterdam • The Netherlands • Phone: 31 20 638 65 23 • Fax: 31 20 625 60 18