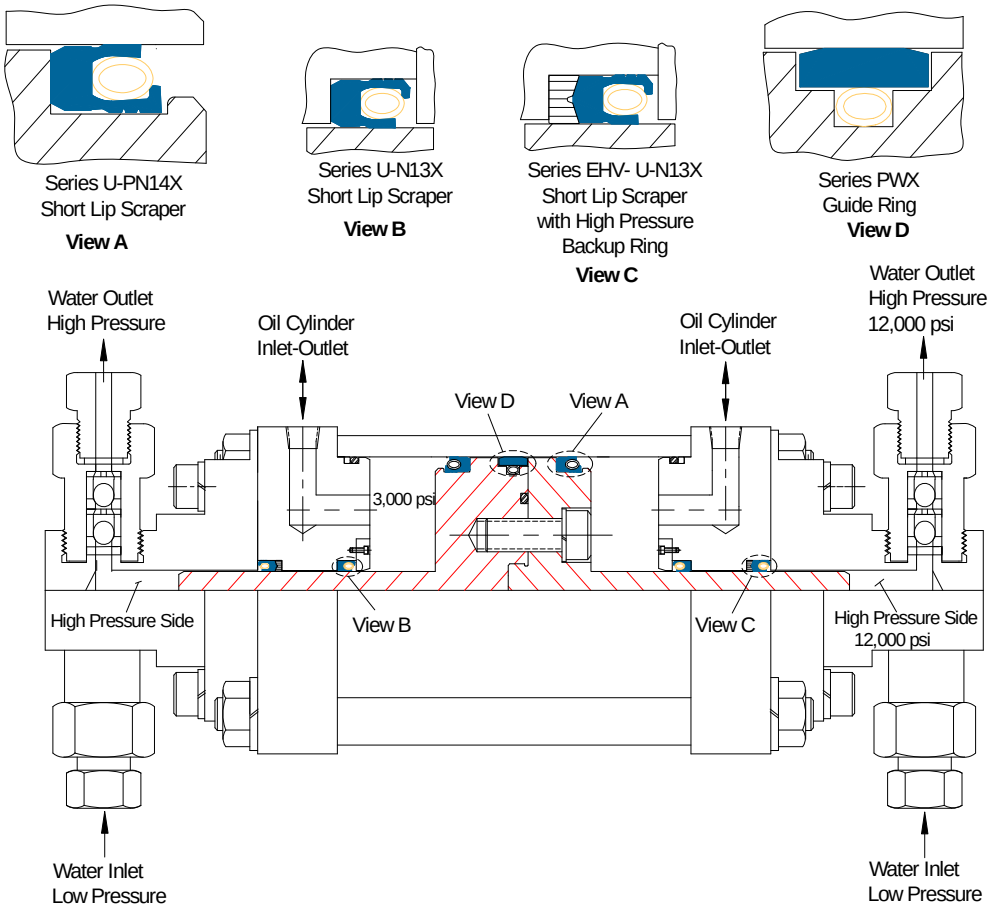
BAL SEAL SEALS IN DOUBLE-ACTING HYDRAULIC INTENSIFIERS

Double-acting hydraulic intensifiers convert low input pressure to high output pressure for a variety of hydraulic devices, such as water-jet cutting and high-pressure cleaning systems.

Bal Seal® seals incorporate high-performance seal materials, canted-coil spring technology, and proven seal design features that work effectively in these high-pressure systems. Bal Seal Engineering, Inc. continually develops new technologies to better serve its customers.



Operating Parameters

Sealing pressure:	3,000 to 12,000 psi (211 to 844 kg/cm^2)
Typical speed:	Slow
Temperature:	- 65ºF to 250ºF (- 54ºC to 121ºC)
Media:	Hydraulic oil and water
Additional:	Sealing ability and longer seal life

Features:

- EHV-U-N13X series, used for high pressures up to 80,000 psi (5,625 kg/cm^2). The EHV back-up ring is designed to reduce the extrusion gap on the outside and inside diameters as the pressure increases.
- U-PN14X series seals are designed to mount into a low ¼ step piston groove, which saves the customer manufacturing and assembly costs. U-PN14X series seals incorporate short lip and canted-coil technology.
- U-N13X series seals provide stability in high pressures up to 10,000 psi (703 kg/cm^2)
- Spring-loaded PWX series guide rings ensure piston-to-bore concentricity, which reduces bore wear.
- Seals with proprietary in-house materials; the filled PTFE materials provide excellent endurance and long life.
- High-pressure back-up rings from non-scratching, low-friction materials, designed to minimize seal extrusion.

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

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