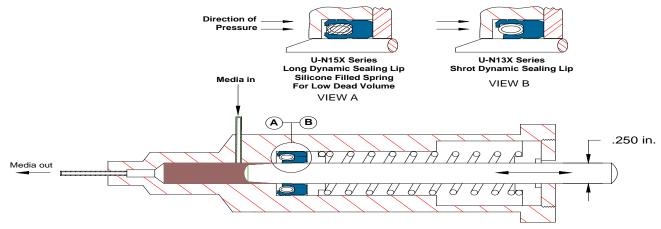


BALSEAL® SPRING-ENERGIZED SEALS IN FLUID REAGENT DISPENSING PUMPS

Fluid reagent dispensing pumps deliver various types of reagent saline solutions and certain solvents used in laboratory and medical applications. The Bal Seal[®] spring-energized seal design and the patented, Bal Spring[™] canted coil spring technology provides added sealing reliability and maximum life. In addition, Bal Seal Engineering, Inc.'s proprietary, in-house materials offer chemical compatibility and inertness.



FLUID REAGENT DISPENSING PUMP (WITH A CERAMIC SHAFT)

Operating Parameters

Sealing pressure: 2 to 40 psi (0.14 to 2.8 bar) (intermittent)

Typical speed: Slow Temperature: Ambient

Media: Various types of reagents, saline solutions, and certain solvents used in

laboratory and medical applications

Additional: Low dead volume, low friction, sealing ability and chemically inert to most

materials and media

Seal Selection: U-N13X and U-N15X series

Optional: U-N13X series short-lip design provides better sealing and longer life than U-N15X series.

Features:

- U-N15X series has a thicker heel for stability.
- Dynamic lip interference at assembly has higher initial contact stress and guarantees better sealing.
- FDA-compliant silicone is injected into cavity for low dead volume.
- Patented, Bal Spring[™] canted coil spring energizer, with near-constant force over the deflection range, ensures consistent sealing and low frictional drag as the seal wears.
- Filled PTFE seal materials have excellent wear resistance and chemical compatibility.

Ask about other high-temperature engineered plastic compounds to meet long-term application needs.

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