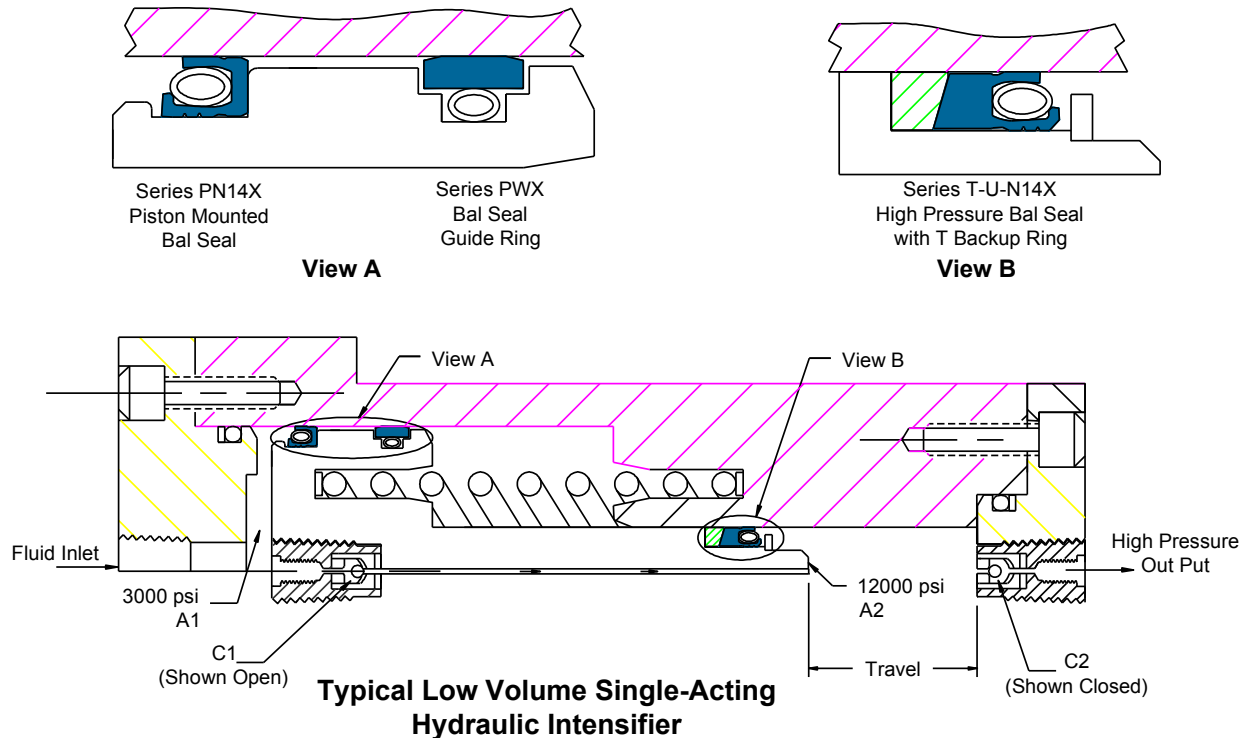


## BAL SEAL® SEALS IN SINGLE-ACTING HYDRAULIC INTENSIFIERS

Single-acting hydraulic intensifiers convert low-input pressure (3,000 psi/211 kg/cm<sup>2</sup>) into high-output pressure (12,000 psi/844 kg/cm<sup>2</sup>) in high-pressure water jet cutting and cleaning equipment. The Bal Seal design ensures media separation, low friction, and low wear, which results in longer seal life.

Bal Seal proprietary designs and in-house materials are controlled to provide consistent performance.



### Operating Parameters

Sealing pressure:	3,000 to 12,000 psi (211 to 844 kg/cm <sup>2</sup> )
Temperature:	- 65 °F to 250 °F (- 54 °C to 121 °C)
Media:	Hydraulic oil and water
Additional:	Sealing ability and long life

### Features:

- Bal Seals are fabricated using specially-formulated, filled-PTFE materials, which yield excellent endurance and provide long sealing life
- High-pressure back-up rings are designed for minimal seal extrusion and are fabricated from non-abrasive materials that provide low friction
- Spring-energized guide rings are made from high-performance polymers that hold the piston concentric, resulting in long seal life

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

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

U.S. Address: 19650 Pauling Foothill Ranch, CA 92610-2610 • Phone: (949) 460-2100 • Fax: (949) 460-2300

BV Address: Jollemanhof 16, • 1019 GW Amsterdam • The Netherlands • Phone: 31 20 638 65 23 • Fax: 31 20 625 60 18

Rev.B 8-30-07 (11-180)

Bal Seal Engineering, Inc. is certified to ISO 9001 | [www.balseal.com](http://www.balseal.com)