Springer Pumps, LLC
Toll Free: 866-777-6060 Int'l: 484-949-2900 Fax: 866-777-6383 www.springerpumps.com

FEATURES OF SEALS: TYPES A, B, C, D, E, G, Q, W, X

TYPE A (Shaft Sizes 5/16" through 1")

FEATURES: Compact, unitized, single spring, elastomer bellows seal. The factory-assembled, one piece design permits fast, easy installation and the full-convolution elastomer bellows provide maximum flexibility in compensating for shaft movement and wear.

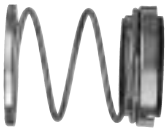
SERVICES: Centrifugal water pumps, deep and shallow well jet pumps, swimming pool pumps and wastewater pumps. Pressures to 75 PSI. Temperature: -40° to +400°F.

TYPE B (Shaft Sizes 3/8" through 1")

FEATURES: A full-convolution elastomer bellows provide maximum flexibility in compensating for shaft movement while torsional stress on the bellows is controlled by a dent and grove positive drive arrangement.

SERVICES: Small centrifugal water pumps, submersible pumps and swimming pool pumps.
Pressures to 75 PSI. Temperature: -40° to +400°F.

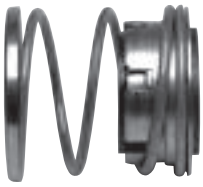
TYPE C (Shaft Sizes 1/2" through 5-1/2")



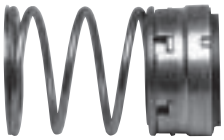
FEATURES: Elastomer bellows seal, non-clogging, single coil spring, The drive band's notch design eliminates overstressing of the bellows.

SERVICES: Centrifugal, hydraulic, rotary and turbine pumps, compressors, mixers, blenders and chillers.
Pressures to 150 PSI. Temperature: -40° to +400°F.

TYPE D, E (Shaft Sizes 1/2" through 5-1/2")



TYPE D



TYPE E

FEATURES: Self adjusting elastomer bellows compensate for abnormal shaft end play and primary face sealing wear. Effects of radial and axial shaft end play are minimized by uniform spring pressure.

Positive drive is transmitted through the drive band and drive notches, which absorb breakout and running torque. Damaging stresses on the elastomer bellows are prevented. Slippage is eliminated, thus protecting shaft and sleeve against wear and scoring. The result is long seal life.

The seal's large single-coil spring is much sturdier than a multiple spring construction design. The spring is non-clogging, self-cleaning and will not foul up due to fluid contact. Corrosion and clogging problems are eliminated.

SERVICES: Used throughout industry in all types of rotary shaft equipment such as pumps, mixers, blenders, agitators and compressors. Seals can be used in an extremely wide range of services from water and steam to chemicals and corrosives.
Pressures to 350 PSI. Temperature: -40° to +400°F.

TYPE G (Shaft Sizes 7/16" through 1")

FEATURES: A compact unitized single spring elastomeric bellows shaft seal. Innovative full convolution bellows and interlocking drive band design allows for positive drive and greater tolerance to misalignment. Interference fit of primary ring insures positive drive while avoiding high face distortions associated with crimped designs.

SERVICES: Small centrifugal pumps used in Pool & Spa, Well Water, & HVAC applications.
Pressures to 150 PSI. Temperature -20º to +300ºF.

TYPE Q (Shaft Sizes 1/2" through 2-1/4")

FEATURES: Press fitted, rubber diaphragm protects metal components, spring loaded

SERVICES: Icemaker and appliance applications, general purpose food service.
Pressures to 30 PSI. Temperature -40°F to +400°F.

TYPE W (Shaft Sizes 1/2" through 6")

FEATURES: Multi Spring, TFE wedge design for use in extreme temperatures / chemical applications. Unitized construction. Also available in a balanced design

SERVICES: Corrosive fluid applications, extreme temperatures. Pressures to 350 PSI. Temperature -75°F to +500°F.

TYPE X (Shaft Sizes 1/2" through 6")

FEATURES: Multi Spring, O ring Design, unitized construction, flexible design compensates for shaft misalignment for high performance and longer seal life. Also available in a balanced design.

SERVICES: Wide usage in chemicals and corrosives. Pressures to 350 PSI. Temperature -20°F to +400°F.