

A Complete Line Of Seals For The Pool And Spa Industry

U.S. Seal Mfg. is one of the leading suppliers of mechanical pump seals in the United States. We offer a wide selection of Head and Seat configurations and stock thousands of seals in differing materials of construction. The U.S. Seal product line represents 95 percent of the replacement seal market.

Head Type A

This compact, unitized, single spring, elastomer bellows seal is designed for use in small centrifugal water pumps, deep and shallow well jet pumps, swimming pool pumps and wastewater pumps. 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. Carbon primary rings & Viton® elastomers are offered as an option for spa applications.



Head Type B

Designed for use in small centrifugal water pumps, swimming pool pumps and submersible pumps, the seal's precision sealing faces optimize the service life and reliability. 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 groove positive drive arrangement. Carbon primary rings & Viton® elastomers are offered as an option for spa applications.

Head Type C

As a general-purpose seal, the Type C has become an industry standard with OEM designers and is specified in larger commercial pool pumps. Made of stainless steel, Type C provides a service range well beyond that which is possible with comparably priced seals of other metallurgical construction. Various face & elastomer combinations are available for demanding applications.

Head Type G

A unitized elastomeric bellows seal for medium to high volumes, the Type G is designed for use in small centrifugal water pumps in the Pool & Spa industry as well as water well pumps. The Type G's innovative full-convolution bellows and interlocking drive band design allow greater tolerance to misalignment & positive drive. Carbon is the standard primary ring material offered with graphite loaded silicon carbide as an option. Various elastomers are offered as well. Stainless steel is offered as the standard metallurgy.

Head Type A

- Temperature:
-49°F to 400°F (-45°C to 204°C)
- Pressure:
ID: 7.2 psi (0.5 bar)
OD: Up to 75 psig (5 bar g)
- Speed:
Up to 1000 fpm (5 m/s)
Up to 3600 rpm
- Available in sizes up to 1"

Head Type B

- Temperature:
-40°F to +400°F (-40°C to 204°C)
(depending on materials used)
- Pressure:
ID: 7.2 psi (0.5 bar)
OD: Up to 75 psig (5 bar g)
- Speed:
Up to 2,500 fpm (13 m/s)
(depending on seal size and face materials)
- End Play/Axial Float Allowance:
0.005" (0.13 mm) FIM max
- Shaft run-out:
0.005" (0.13mm) FIM max

Head Type C

- Temperature:
-40°F to 400°F (-40°C to 204°C)
(depending on materials used)
- Pressure:
Up to 150 psig (10 bar g)
- Speed:
Up to 2500 fpm (13 m/s)
(depending on configuration and shaft size)
- Automatic adjustment compensates for abnormal shaft end play, run-out, primary ring wear & equipment tolerances
- Available in shaft sizes up to 4"

Head Type G

- Withstands pressures from full vacuum to 150 psi (10 bar)
- Available in sizes from 7/16" to 7/8"
- Available in a range of operating lengths to suit most equipment
- Interference fit of primary ring in the bellows ensures positive drive and avoids high face distortions associated with crimped designs

**A Nationwide Network
To Serve Your Needs**

For nearly 50 years, U.S. Seal has provided quality products through our nationwide network of distinguished distributors. Our Technical and Sales Staff has over 75 years combined experience, and together with our nationwide team of independent sales representatives we can assist you with problem analysis, seal selection, installation and training.

Quality Through And Through

Our commitment to our customers is to deliver innovative, value-added products that meet or exceed most OEM specifications. Special care is taken to furnish precision lapped sealing surfaces with a flatness within three light bands, which maintains the critically essential face film lubrication. In addition, precision lapped sealing surfaces eliminate the need for "break in" runs.

For demanding spa applications where Neoprene and Buna elastomers are not compatible with the oxidizers being used, we can provide Viton or EPR materials. Carbon primary rings are also available for demanding applications. Our metal components are made of stainless steel for the pool & spa industry.



Selection Guide For Professionals

Our comprehensive 104-page selection guide is the industry standard for cross-referencing seals for OEM pumps. Compiled over the past forty plus years, this easy-to-use guide is a valuable resource for sizing and selecting replacement seals. For your free copy call 1-800-243-5489 or online at www.ussealmfg.com.

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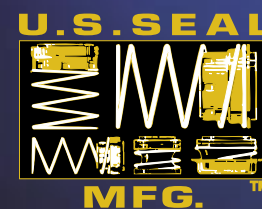
The Association
of Pool & Spa
Professionals



U.S. Seal Mfg.
155 Pierce Street
Somerset, NJ 08873
Phone 800-243-5489
Fax 877-849-7325
www.ussealmfg.com

Replacement Seals

for the Pool
& Spa Industry



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