



QUALITY MARINE
EQUIPMENT SINCE 1981

PACKLESS SEALING SYSTEM SHAFT SEAL





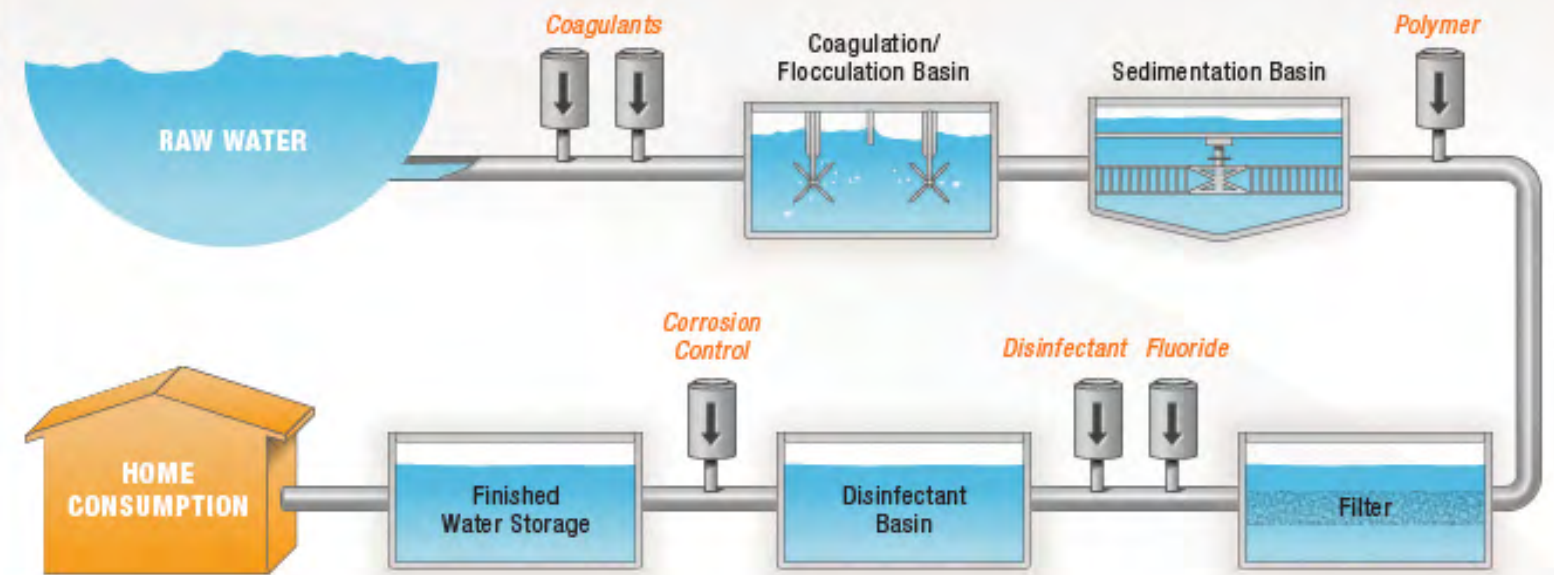
THERAPY & EXERCISE POOLS

PYI Inc. has developed and supplies mechanical seals at the OEM level for industry leading manufacturers of therapy and exercise pools used in healthcare and sport specific applications.



CURRENT POOLS & INDOOR POWERED ROWING TANKS

PYI supplies seals for indoor powered rowing tank and continuous flow pools to manufacturers throughout the US. These very complex systems are installed at universities around the world allowing athletes to train year around with a 'real' water feel and they have eliminated their leakage problems using the PSS Shaft Seal. Therapy and exercise pools are also used in healthcare and sport specific applications.



WATER UTILITY, MIXING TANKS & WATER FILTRATION SYSTEMS

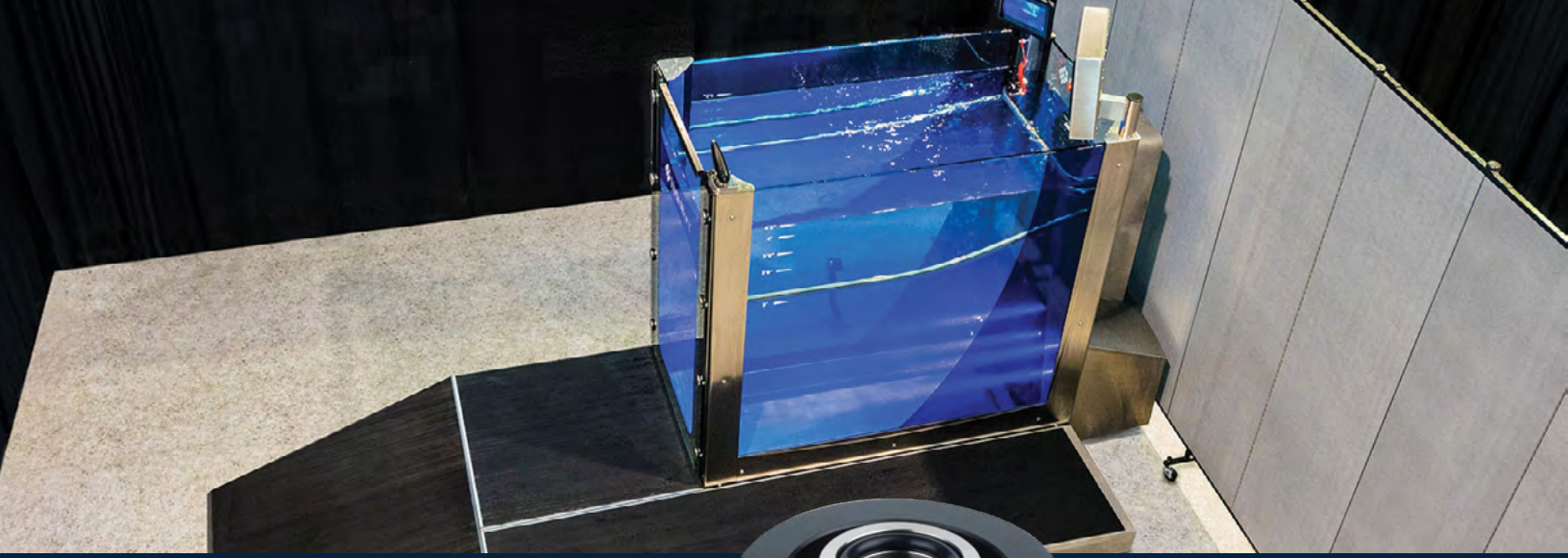
Specifically developed for surface water production plants, PSS Shaft Seals are installed on many horizontal mixer applications used in flocculation basins for rapid sand filtration plants and corrugated box / sheet production facilities.



VERTICAL PUMPS, IRRIGATION AND MINING

The ability of the PSS Shaft Seal to function in a dirty / silty environment, as well as its tolerance for radial movement makes it an ideal solution for the irrigation and mining industry. PYI's ability to customize sealing solutions has paved our way into this industry.





PUMPS & FLOW TANKS WITH SPACE SENSITIVE INSTALLATIONS

PYI's ability to customize solutions allow PSS Shaft Seals to be integrated into space sensitive installations on specific pumps and flow tanks.



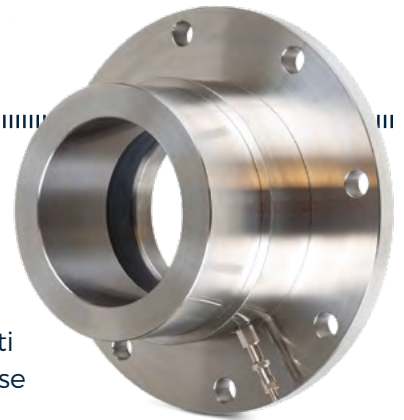
STEAM TURBINE ROTARY UNION SEAL & CUTTING FLUID PORT

Custom design to prototype 3 - 4 weeks.



FLANGE & BLADDER

A large number of installations are manufactured with a multi bolt flange. Very often these flanges have a standard bolt pattern. In order to facilitate the installation of the PSS Shaft Seals on these type of flanges, PYI manufactures an array of flanges which fit the "standard" bolt patterns and transform the flange into a tube ready to accept the PSS Shaft Seal.



These adapters can be ordered as a "standard unit" or as a "inflatable bladder unit". The inflatable bladder option allows the operator to seal the stern tube, while the shaft is not rotating, in order to inspect or clean the seal. Another advantage is that if uncoupling of the shaft is needed, this operation can be done in the water as the shaft can be moved aft with bladder inflated, and no water intrusion will happen. Of course this inflatable bladder can also be used in case of an emergency.