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HYDROPOWER

PRODUCT LINE



We specialize in the design, testing, manufacture and supply of an extensive range of mechanical sealing solutions for the power generation industry. Our products can be found in power stations all over the world.

Originally founded in 1961 under the banner of Huhn Seal and subsequently as Tyton Seal in 1972, we are now known as Fematics Canada Inc. one of the leading turbine seal manufacturers in the world.

Engineering and manufacturing of turbine seals and replacement parts is handled exclusively at Fematics plant in St. Laurent Quebec, Canada. This ensures the consistent renowned expertise and service provided for over 50 years. We have produced seals for all types of turbines worldwide with shaft sizes ranging from 4 inches to 90 inches. We also manufacture replacement parts for existing seals and provide retrofit units to replace existing seals and/or outdated stuffing boxes.

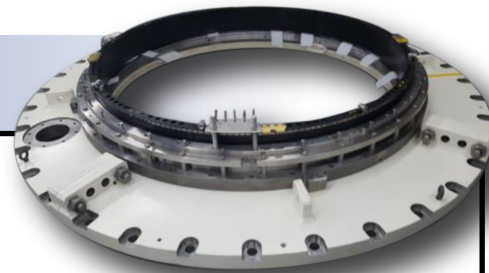
If you require assistance with your seal problem the experienced staff of engineers at Fematics Canada will be happy to answer any of your questions.

info@fematics.com
www.fematics.com



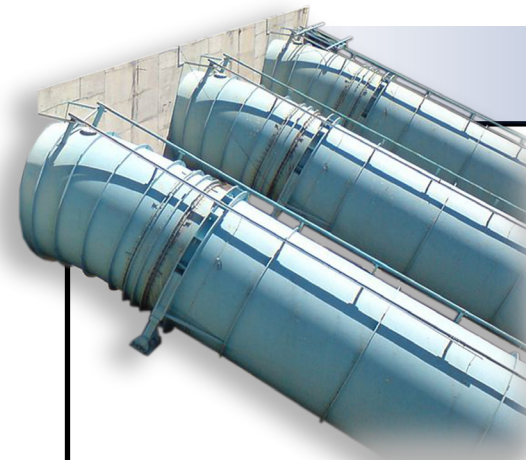
AXIAL SEALS

- Turbine pressure up to 200 PSI (1380 kPa)
- Unlimited turbine shaft diameter
- Fully controllable seal closing
- Wearable parts lasting 2 to 3 times longer than other types of seal
- Replaceable composite sealing ring



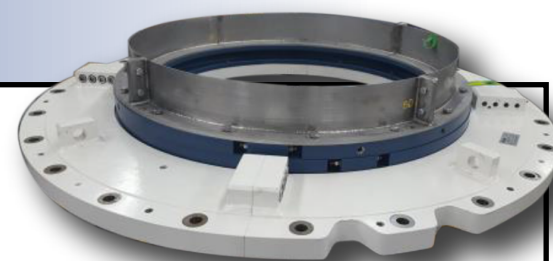
PENSTOCK/SPIRAL CASE SEALS

- Unique design to fit any size penstock/spiral case
- Easy on-site installation
- Allows misalignments and displacements of tubes
- Can be retrofitted to old penstocks
- Offers many years of leak free water inlet



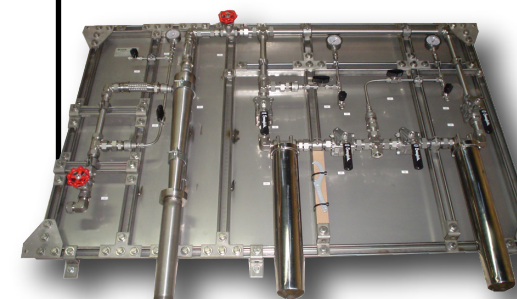
RADIAL SEALS

- More than 600 units built to this date
- Simple installation
- Turbine pressure up to 60 PSI (400 kPa)
- Two (2) or more carbon rings
- Sealing ring chamber available in Stainless Steel or Plastic
- For turbine shafts up to ten (10) feet (3m)



PUMPING/FILTRATION/CONTROL PANELS

- Supply of water pressure when the source cannot provide enough
- Filtration systems for clean water injection
- Air control panels for proper seal closing pressure
- Manual, automatic and PLC controlled units



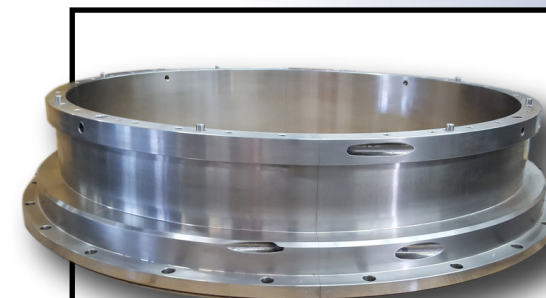
CARTRIDGE SEALS

- For turbine shafts up to 15 inch in diameter
- Available in split design
- Single or double face configuration
- Many different sealing surfaces available
- Excellent replacement for old underperforming stuffing boxes



SHAFT SLEEVES

- Cost effective way to refurb hydro turbines
- Any size diameter
- Horizontal or Vertical
- We can design sleeves to fit in any space



PARTS AND SERVICES

- Replacement carbons for any type of seal
- On-Site installation supervision
- 2 in-house test bench for seals up to 60 inches
- CAD and 3D design of our seals to adapt to any existing turbine
- Failure report and failure diagnostics

