



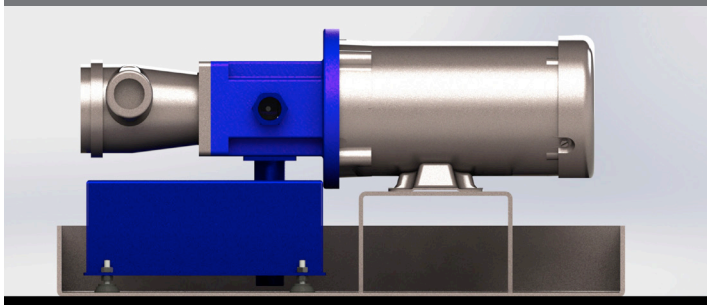
NEW SUBMERSIBLE LIGHT FUEL OIL PUMP TECHNOLOGY

Patent Pending Engineered Seal Bracket (ESB) technology allows fuel oil pumps to keep running, even under flooded conditions.

A massive catastrophe with flooding, like Hurricane Sandy, damages and destroys essential equipment in mission critical facilities, such as hospitals and other institutions, preventing them from serving their community when help is needed the most. Recognizing the need for a submersible, waterproof fuel pump technology for use in emergency generators and critical boilers in facilities in flood prone areas, Geiger developed the Engineered Seal Bracket (ESB). With this breakthrough technology, fuel oil pumps can continue running even in the most disastrous flooded conditions in buildings and facilities where losing power or heat is simply not an option.

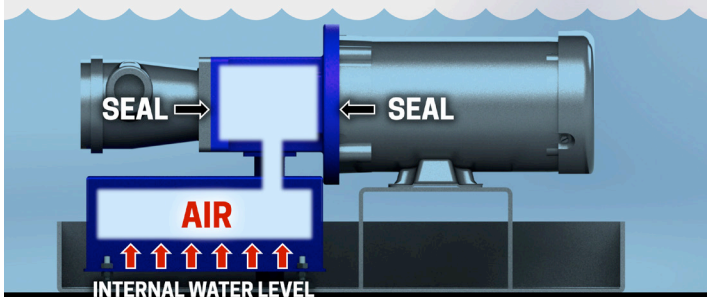
NORMAL CONDITIONS

ESB is self draining and open to air.



FLOODED CONDITIONS

The ESB is engineered to maintain an air reservoir to protect shaft seals and prevent water from entering the pump and motor. If water enters the motor and windings, it can no longer function.



PRIMARY BENEFITS

- Straightforward approach to pump protection using trapped air and watertight seals – *Patent Pending*
- Simpler, more economical, proven alternative to other waterproof pump systems
- Can be used with commercially available motors and most commonly used fuel oil pumps
- Significant cost savings when compared to competition, due to more affordable installation, requiring nothing beyond typical pump replacement or installation (**Requires two men and a hand truck vs. a large team with a pallet jack for typical waterproof pump enclosure**)
- Installation requires no more space than your existing installation, as there are no large enclosures or tanks
- Highly reliable design, no complicated or cumbersome enclosures, easy for retrofit installations, ESB makes any pump waterproof
- **All units are Factory Performance Tested and Certified Fully Submerged**

QUESTIONS? CONTACT US!

610.459.1212 ▪ info@geigerinc.com



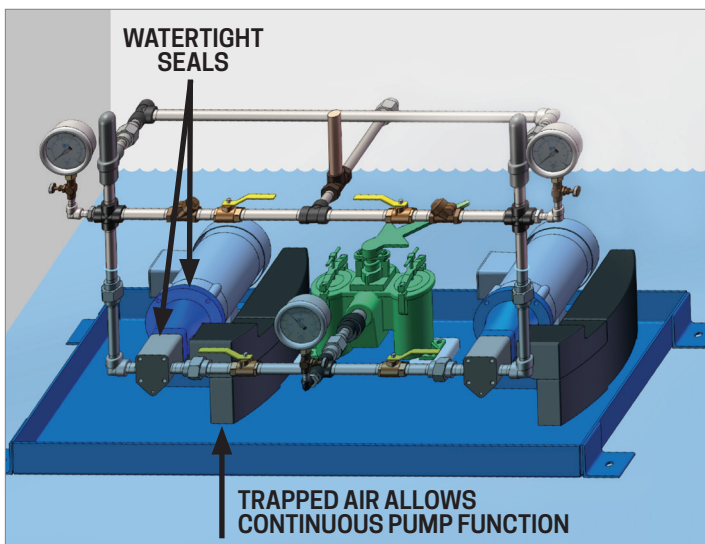
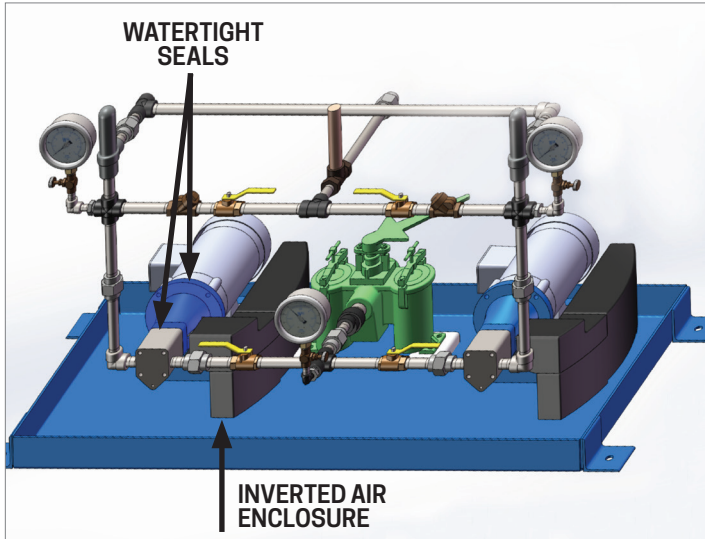
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www.geigerinc.com/esb

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“If fuel system components must remain in areas vulnerable to flooding, the components should be designed for submersible use... By building or creating robust critical facilities that remain operational during and after a major disaster, people’s lives and the community’s vitality can be better preserved and protected”.

- HURRICANE SANDY RECOVERY ADVISORY,
FEDERAL EMERGENCY MANAGEMENT AGENCY



ISO 9001 Certified through SK Systems, a Division of Geiger

With Geiger’s Engineered Seal Bracket (ESB), Standard Fuel Pump Technology and light on-site modifications, we can design and build a Flood Resistant Fuel Oil System to meet your requirements!

CUSTOM OPTIONS

- Back Pressure Valves
- Simplex Strainers
- Flexible Connections
- Vibration Isolation
- Flow Switch and/or Flow Meters
- Temperature Switches
- Additional Options Available

OPTIONAL CONTROL SOLUTIONS

- Customized for your Application
- PLC Based Controls Available for Integration with Building Automation Systems
- Auto Alternation
- Pan Leak Detection
- Differential Pressure Switches
- Flow or Pressure Switches
- NEMA 1, 4, 4X of 12 Enclosures

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