

# MARINE STERN TUBE SEALING SOLUTIONS

At Stone Marine Services we are firm in our belief that there should be no compromise when it comes to stern seal performance.

Versitec manufactures replacement Vanguard Seal Rings and spare parts to suit all major makes and models of stern tube.



## WHY VERSITEC

- 5 Year industry leading warranty.
- Fully compliant with stringent EPA laws.
- Versiton FKM is compatible with all conventional and synthetic oils including a wide range of EAL oils.
- Stringent quality procedures throughout the manufacturing process.
- Vanguard Stern Tube Seal System; Class Approved to operate in all water conditions.
- Ideally suited to high load bearing applications in a variety of environments.
- Cost savings without compromise.

## WHY STONE MARINE SERVICES

- Engineers are fully trained and certified in Stern Tube Servicing, accredited by Versitec.
- Our work is fully warranted for your peace of mind.
- Emergency parts and product availability held on-site for immediate despatch reducing downtime (available in a range of sizes).
- Dedicated engineering and project management points of contact.
- Dedicated technical & commercial support.
- Global response 24hrs 365 days – we have you covered.

Our team of highly skilled engineers are dedicated to the maintenance and repair of stern tube seals. Whether your vessel is in drydock or afloat, the shaft is withdrawn or bonding is required, we can provide you with the sales, technical and product support to ensure that you have the critical parts and service needed to keep your vessels operational.

## WHERE TO FIND US

### United Kingdom

Stone Marine Services Limited  
East Ness, Preston Crescent  
Inverkeithing, Fife KY11 1DS  
T +44 (0)1383 419 475  
E sales@stonemarineservices.com  
Registered No. 202418 Scotland  
Quality Accredited Firm ISO 9001:2015

### South Africa

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South Africa (PTY) Ltd  
Unit 1, 37 Auckland Street,  
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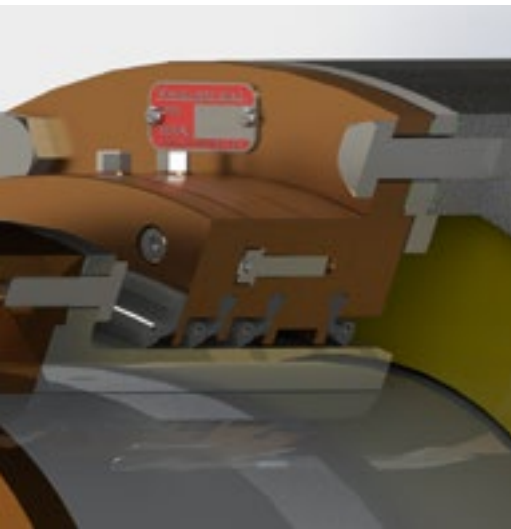


# VANGUARD SEALING SYSTEM

## The Vanguard System has been developed for Oil Lubricated Propeller Shafts.

To ensure compatibility with EAL oils, all seals are manufactured using custom developed Versiton FKM material. The seals can operate efficiently in all water conditions and come complete with Versiton Lip Seal design.

Whether a new build, or to retrofit your vessel, the Vanguard system has been designed to work in all situations. Stone Marine Services can also offer custom fit solutions for “limited construction space” sealing system retrofits.



## SPECIFICATIONS

**SHAFT SIZE** 80–803mm (3–31.5”)

**SEAL HOUSING** Bronze or cast iron

**SEALING RINGS** Versiton® FKM

**LINER** Chrome steel, duplex stainless steel, or coated

**LUBRICATION** Oil lubricated (including EAL oils)

**ELIMINATOR SEAL** Additional protection against ingress of foreign material (i.e. dirt, sand, fishing line)

## OPTIONS

**SAFEGUARD**  
4th standby seal in AFT Seal Housing

**EQUALIZER**  
Pressure equalization system

**LEAKAGE CONTAINMENT  
SETTLING TANK**  
(included with EQUALIZER and SAFEGUARD)

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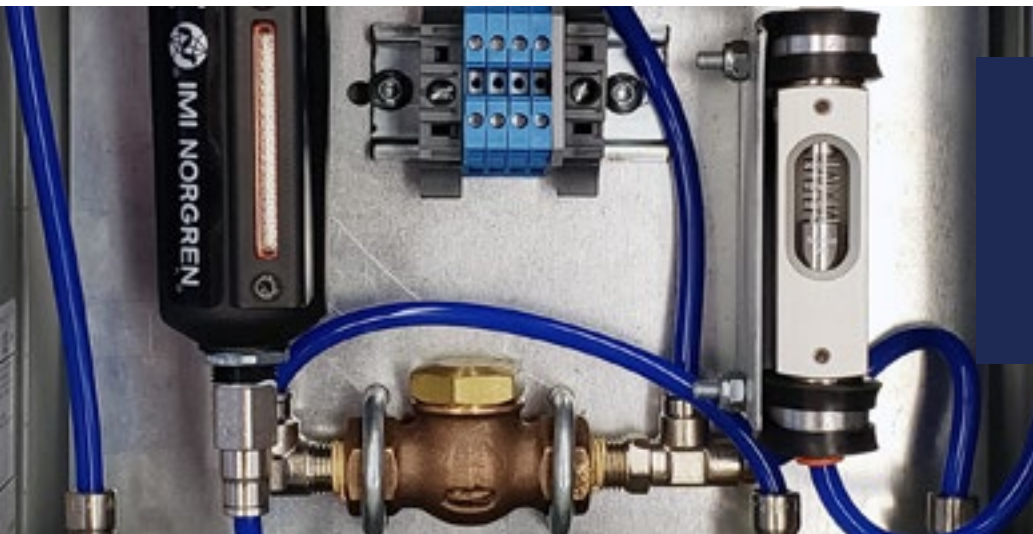


# VANGUARD EQUALIZER SYSTEM

The Vanguard Equalizer System is a state of the art solution, specifically designed to protect your fleet from any potential oil to water mixture.

The system comprises of an air control unit, a uniquely designed Vanguard equalizer valve and a drain collection unit, utilising compressed air to control pressures at the seal to eliminate oil seepage to the Marine Environment.

The Vanguard Equalizer System offers safety, simplicity, accuracy and guarantees this promise.



## FEATURING

- GLYCOL FILLED GAUGES
- VISIBLE INDICATORS
- WATERTIGHT ENCLOSURE

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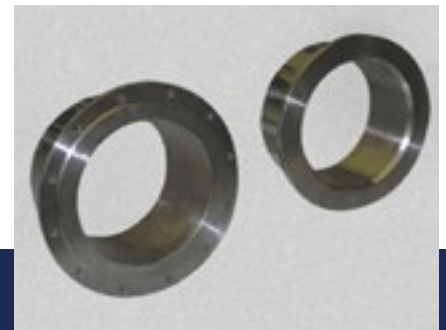




# VANGUARD SEAL SPARES

Versitec spare parts can be supplied to specifically suit any makes or models of stern tube seals, as well as propulsion systems.

Sealing rings are specifically made with custom formulated Versiton FKM to provide an industry leading quality. Most Versiton seal sizes are held in stock in the UK making delivery of seals quick and economical. Owners variable stern tube seal requirements can be ordered from one source.



## LINERS

Liners are available at short notice with the following options:

- CHROME STEEL
- DUPLEX STEEL
- TUNGSTEN CARBIDE COATED

We also manufacture Radius Liners to work with any vessel design you may have.

## ADDITIONAL PARTS

- ANODES  
(Zinc or Aluminium)
- NETCUTTERS
- DISTANCE RINGS

PROTECTION SEALS  
(Protect against net/rope/dirt ingress on all manufacturers seal assemblies)

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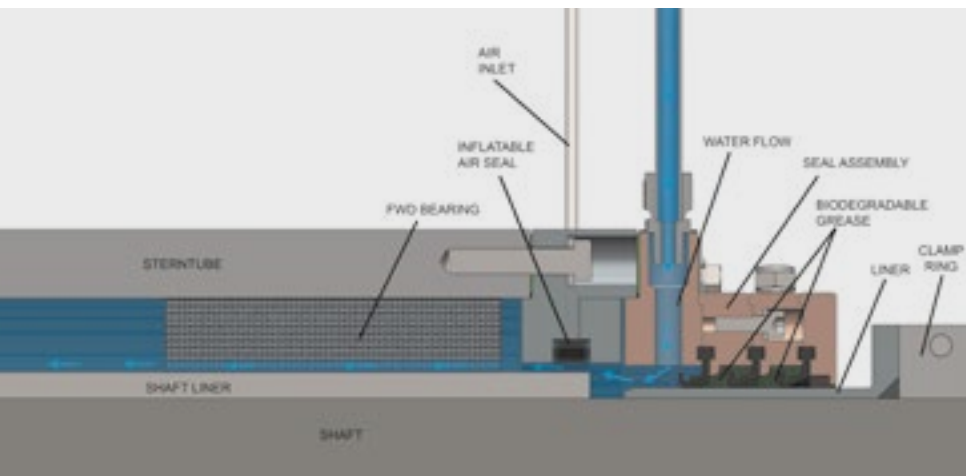
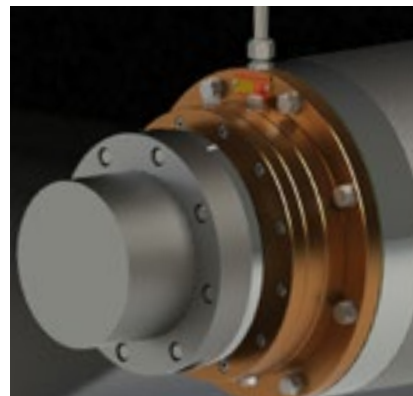


# VANGUARD-W

Developed for Open Water Lubricated Stern Tubes, the Vanguard-W is manufactured complete with a triple security lip seal design and has been developed to operate efficiently in all water conditions.

The FlowGuard Inflatable Seal will ensure the continuous running of your fleet, even whilst minor works are required. Seal ring replacement and inspections of seals can be successfully undertaken without having to dry dock your vessel, using this innovative product.

The Vanguard-W system incorporates Versiglyde Composite Bearings, providing the trusted and reliable solution expected in your fleet.



## SPECIFICATIONS

**SHAFT SIZE** 60–476mm (2.5–18.75")

**SEAL HOUSING** Bronze/  
stainless steel/ cast iron

**SEALING RINGS** Versiton® FKM

**LINER** Chrome steel

**LUBRICATION**  
Biodegradable grease

**BEARING** Versiglyde (FWD & AFT)

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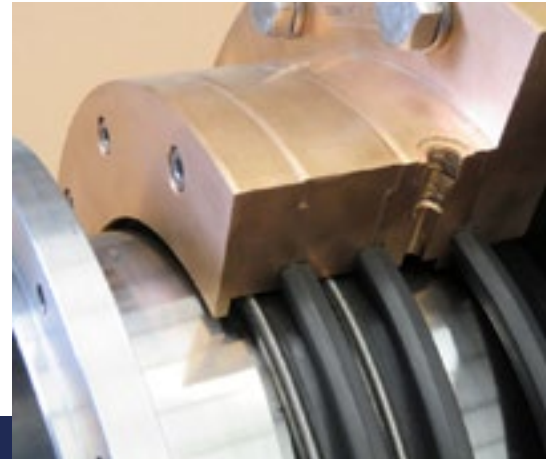
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# PROPULSION SERVICES

Our team of engineers carry a wealth of skill and are dedicated to installation, repair and maintenance of all makes and models of stern tube seals, as well as propulsion systems.

Whether your vessel is in drydock or afloat, Stone Marine Services can provide the solution for your Stern Tube and Propulsion needs with Versitec Sealing Solutions.



Stone Marine Services has the tools to meet your operational needs with a wide range of services available, to name a few:

MAJOR OVERHAULS  
REPAIRS  
RETROFITS  
SYSTEM UPDATES

BONDING OF  
SEALS IN SITU  
UNDERWATER SEAL  
EXCHANGE

Our team of Service & Installation Engineers are available globally, 24 hours a day, 7 days' a week to ensure smooth vessel operations.

All work is provided with detailed technical reports and carries a complete warranty.

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