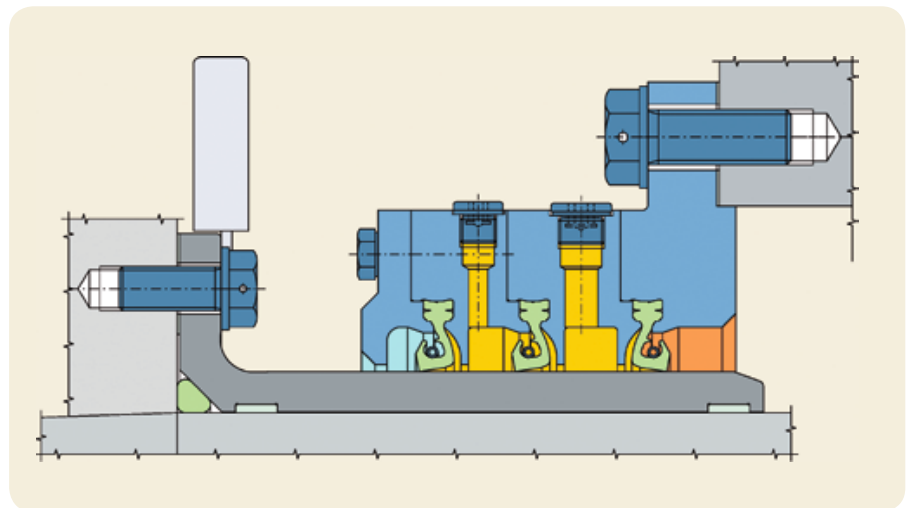


# Simplex Basic – aft seal

## General description

- 3-ring sterntube seal for standard applications
- Since 1992 thousandfold market approved
- Certified by all major classification societies
- Mainly up to seal size 400



## Advantages

### Design

Market approved seals → reliable equipment covering the range up to size 400

Simplified design → no pipe for oil supply to the seal needed. Less installation efforts

Customised and tailor-made → meets new building and retrofit demands

### Installation

Delivered fully assembled and tested → immediate and easy installation by the shipyard

### Operation

Self-operating → reduced risk of operating failure

### Services

Designed for in-situ overhaul as per certified and approved Simplex repair standards

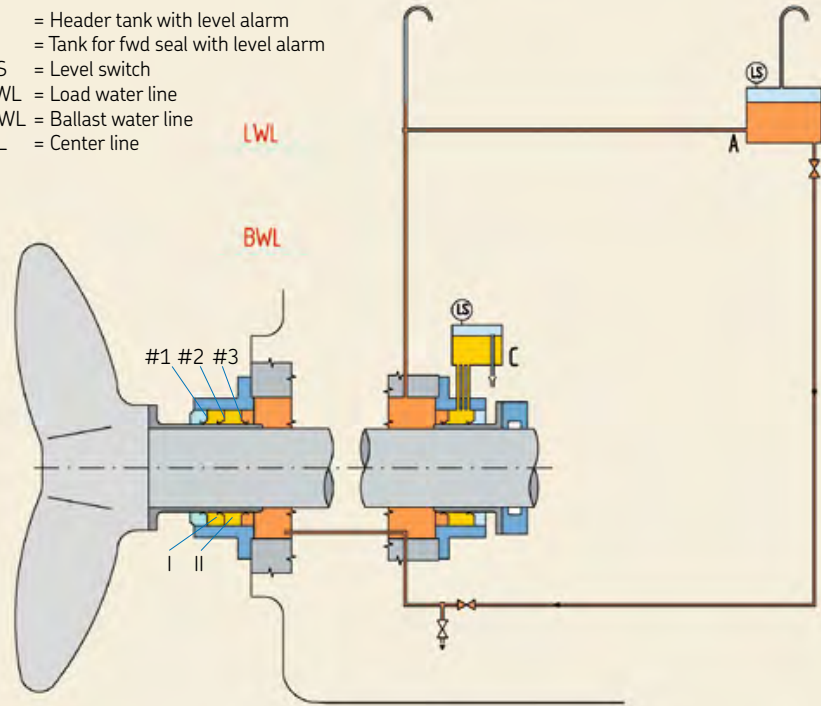
Worldwide service network and availability of spares

## Function

- A stationary housing guides the Simplex sealing rings (2 facing water/1 facing sterntube oil). The rotating liner is fixed to the propeller.
- Oil chamber (I + II) are initially filled with lube oil to ensure proper lubrication.

### Functional principle of sterntube lubrications

- A = Header tank with level alarm
- C = Tank for fwd seal with level alarm
- LS = Level switch
- LWL = Load water line
- BWL = Ballast water line
- CL = Center line



## Configuration

Split design		Material housing		Liner coating		Upgrades			Distance ring	Bio oil durable
Liner	Housing	Cast iron	Bronze	Ceramic	Tungsten carbide	Grease in chamber 1	Active circulation	Net protection	Split design	e.g. for VGP 2013
○	○	●	○	○	○	-	-	○	○	○

● Available/required   ○ Available on request   - Not available

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