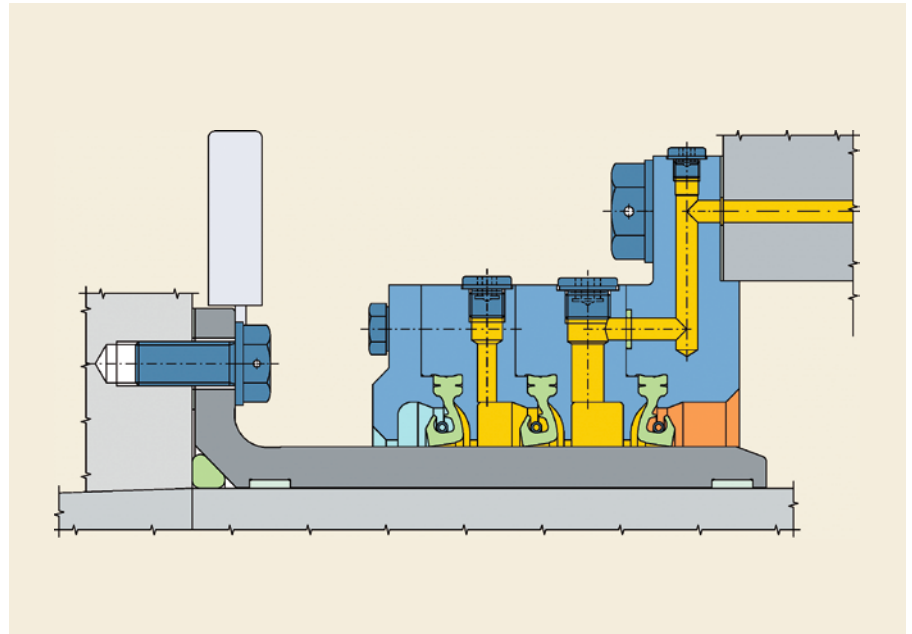


Simplex Advanced – aft seal

General description

- 3-ring sterntube seal for standard applications
- Since 1992 thousandfold market approved
- Certified by all major classification societies
- For all shaft diameters with additional pressure control of oil chamber II



Advantages

Design

Market approved seals → reliable equipment covering the whole range of shaft diameters

Pressure controlled lubrication → greater operational reliability at higher drafts

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

Installation

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

Operation

Easy handling → reduced risk of operating failure

Constant pressure setting by aft seal tank → reliable operating system

Services

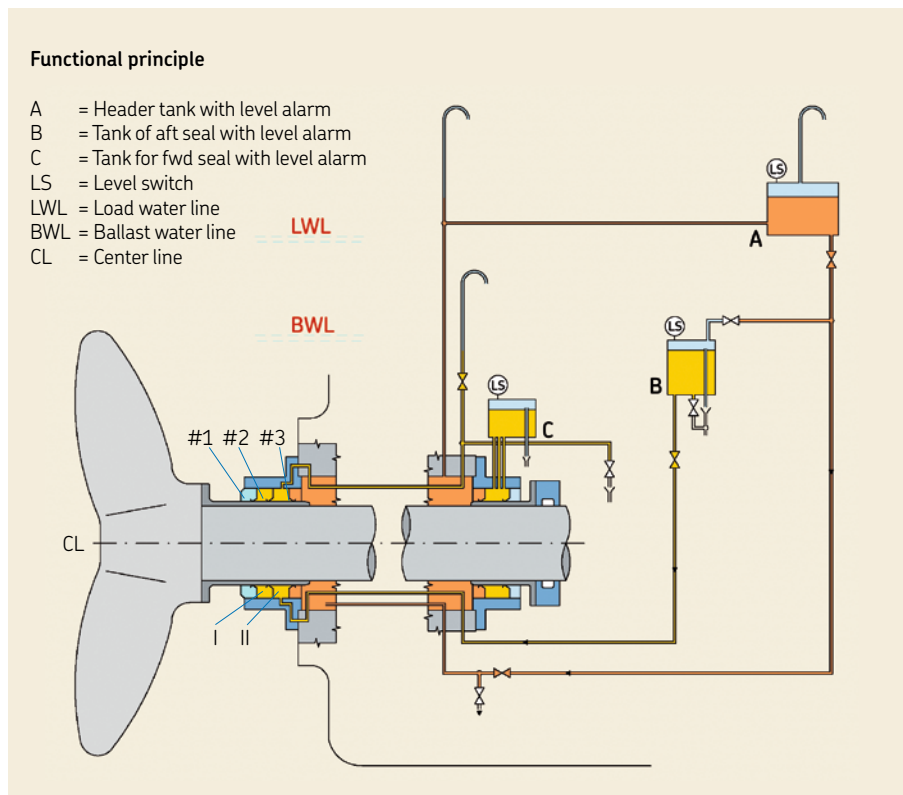
Designed for in-situ overhaul as per certified and approved Simplex repair standards

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) is initially filled with lube oil ensuring proper lubrication and protection from dirt.
- Oil chamber (II) is filled with lube oil and pressure controlled through the respective aft seal tank (B). This independent oil supply ensures best lubrication.
- Condition monitoring of aft seal via oil level indication of aft seal tank (B).
- Additional pipe to chamber (II) for venting and lube oil refreshment.



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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