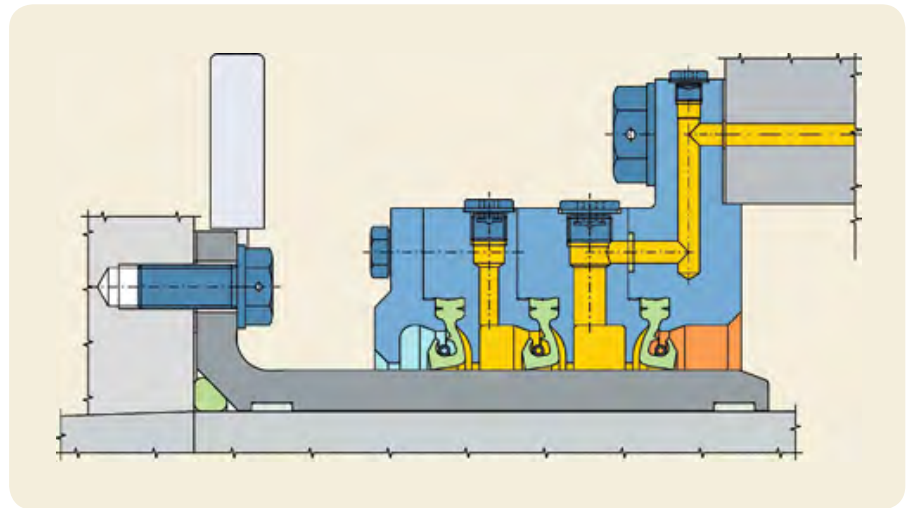


Simplex Advanced – aft seal

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

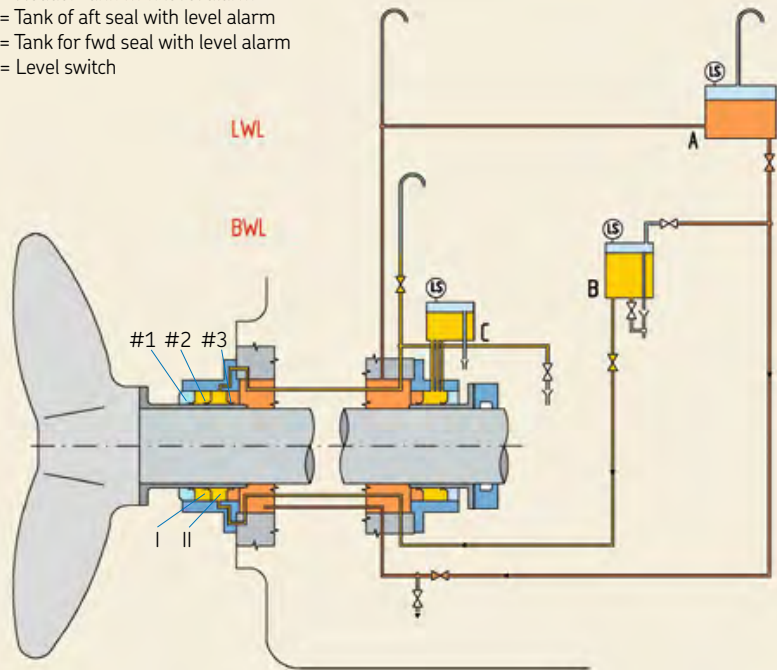
Worldwide service network and availability of spares

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.

Functional principle

- A = Header tank with level alarm
- B = Tank of aft seal with level alarm
- C = Tank for fwd seal with level alarm
- LS = Level switch



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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