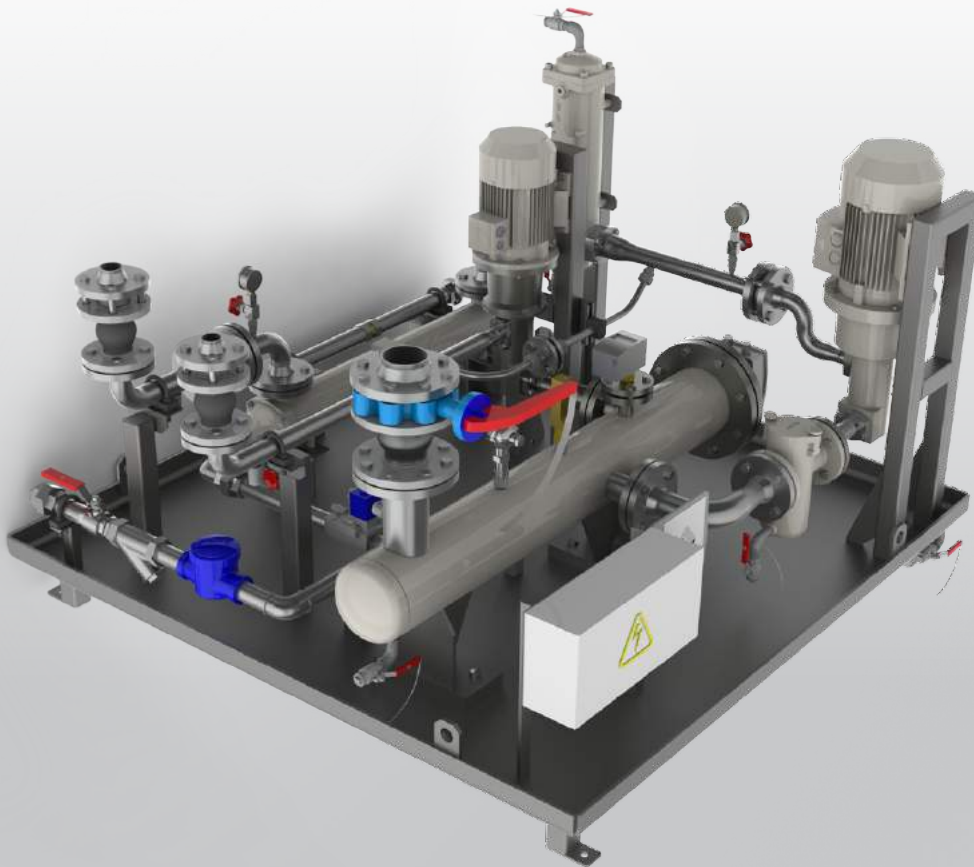


Symetro Gear Lubrication Unit Type A/A-D/D



The Symetro Gear can be equipped with a lubrication unit that has all the necessary components and is installed next to the gear foundation.

The lubrication unit is an optimised and upgraded part of the gear lubrication system, generating intense cooling and filtering capacity under all operational conditions. The lubrication unit ensures that oil temperature does not exceed 60°C (140°F) and maintains oil contamination of 19/17/13 according to ISO 4406 by means of 16 µ absolute filtering.

The retrofit lubrication unit is the right choice when installing new TSHH technology rotating parts in order to ensure long and trouble-free operation.

Application

The lubricating system is delivered as one unit on a foundation plate and designed for mounting either on the left or the right side of the gear foundation.

The system can be delivered either as a central control system or with a local control panel via a box on the pumping station.

The suffix A/A – D/D represent versions of circulation (x/) and conditioning circuit (/x), which can be different for different versions of Symetro Gear units (TS, TSF, TSFP types).

The system measures approximately 2 m x 2.5 m.

Symetro Gear Lubrication Unit Type A/A-D/D

Included in the lubrication unit:

- A circulation unit that can start at 10–12°C/50–54°F.
- A conditioning circuit with a coarse filter, a fine filter, and a cooler. The oil pump in the conditioning circuit has 2 speeds (Dahlander coupling). The conditioning circuit is started at 35°C/95°F, after which the speed is doubled at 55°C/131°F, increasing the cooling capacity.
- Basic components for a water cooling system.
- A spare 16 µ filter element (not cleanable) and a 25 µ nominal filter element (cleanable) for use during the first 24 hours after assembling or after repairing the gear.
- Optional preheating system for a cold climate (start-up below 10-12°C/50-54°F).

Documentation provided:

- Instructions for assembling, running and maintenance 39811-02
- A manual with a sparepart list of the components (individual numbers).
- An interlock diagram for either the central control system or the local control panel.
- A flow diagram
- Drawings of pipes

Not included:

- Pipe connections between the lubricating system and gear unit and pipes inside the gear unit
- Motor protection and relays (in the case of a central control system)

When ordering, please provide the following information:

- Left or right side design (seen from motor side)
- Central control system or local control panel via box on the pumping station
- Height of the gear foundation over the location of the lubricating system
- Average temperature (min/max)
- Oil viscosity
- Voltage (v) and frequency for the pump motors, instrumentation and AC or DC
- Number and language of required instructions (Danish, English, German, French or Spanish)
- Information on the existing lubricating gear system



The lubricating system is delivered as one unit on a foundation plate and designed for mounting either on the left or the right side of the gear foundation.



Retrofitted lubrication Symetro Gear system with local control panel.

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