

# Facor

## *Lube Oil Conditioning Units*



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## APPLICATIONS

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- Paper Machines
- Rolling Machines
- Trunnion Bearings
- Steam and Gas Turbines
- Gear Boxes
- Large Fans

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## SERIES OF EFFECTIVE LUBE OIL UNITS

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Standard FACOR Lube Oil Conditioning Unit sizes range from a few gpm up to 475 gpm.

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### EFFECTIVE OIL CONDITIONING

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Once oil returns into the reservoir, FACOR Lube Oil Conditioning Unit conditions the oil the most effective way. The Unit does the following:

- prevents oil from foaming
- separates air and water bubbles
- prevents impurities from entering the reservoir
- cleans the oil and supplies the lube system with right temperature and right pressure of oil

The Lube Oil Conditioning Unit has been designed to effectively remove air, water and other impurities that have entered the lube system. The cleaning can be more effective with auxiliary cleaning devices attached to the FACOR Lube Oil Unit.

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### 100 % TESTED

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All FACOR Lube Oil Conditioning Units are fully tested and pre adjusted prior shipping.

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### COMPLETE DOCUMENTATION

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The FACOR Lube Oil Conditioning Unit is shipped with a complete system documentation package. System engineering is done by utilizing AutoCad LT. The system documentation includes the assembly drawings with component lists, specifications, electric wiring diagrams and complete operation and maintenance manuals.

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### QUICK AND EASY START-UP

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The FACOR Lube Oil Conditioning Unit does not require any special arrangements prior the installation and start-up. Mechanically, the connections for pressure and return pipes and cooling water supply are all that are required. Electrically, the supply voltage and control connections need to be made.

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# FACOR LUBE OIL CONDITIONING UNIT CLEANS AND COOLS THE OIL. IT CONTINUOUSLY CONTROLS AND MONITORS THE LUBE SYSTEM OPERATION

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# MODERN DESIGN AND CONSTRUCTION MAKE FACOR LUBE OIL CONDITIONING UNIT RUGGED AND RELIABLE

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## STAINLESS STEEL CONSTRUCTION

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The FACOR Lube Oil Conditioning Unit's reservoir and piping are made of 304 or 316 stainless steel. This eliminates all risks related to the corrosion and deterioration. The use of stainless steel will also eliminate all extra painting work or other protection in case welding work is performed on the Lube Oil Conditioning Unit. Material selection for the other components is based on industry demands, durability and reliability.

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### CONTROLS AND INSTRUMENTATION

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For controlling the Lube Oil Conditioning Unit there are two alternatives.

The controls are in the DCS system of the lubricated machine. In this alternative all instruments are pre wired to a junction box, which is located under the instrument panel.

Lube Oil Conditioning Unit is equipped with it's own control center. FACOR control center is based on a programmable relay. The functions in the control center are:

- pressure monitoring in the main oil pipe
- alarm and pump change over at low pressure
- system shut down at very low pressure
- pressure difference monitoring and alarm over main oil filters
- oil level monitoring in reservoir : alarm at 60% level : system shut down at 50% level
- oil pre heating control in reservoir
- oil over heating control and alarm in reservoir
- interlocking to the lubricated machinery

Also the electric heaters are pre wired to their own junction box.

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### READY FOR INSTALLATION

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All piping connections with instruments are fully completed before delivery. All electrical wiring is completed. The Lube Oil Unit is fully tested and cleaned before delivery. This guarantees the easy installation, start-up and maintenance of the FACOR Lube Oil Conditioning Unit.





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