

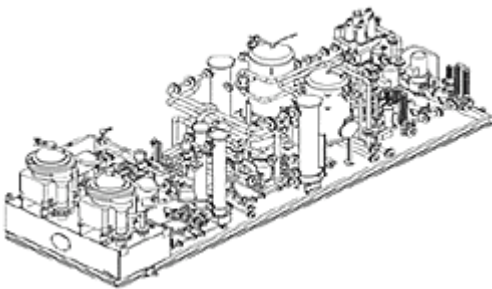
Supply systems for the energy sector

Lubricating oil systems, Separators and filter modules, Booster modules, Pre-heating and heating systems for water, lubricating oil, light and heavy oil, (heating media electrical, steam or thermal oil), Nozzle cooling, Leakage oil disposal, Starting air systems, Air compressor station, Cooling systems, Heat exchangers, pipe bundle or plate design, Radiator coolers

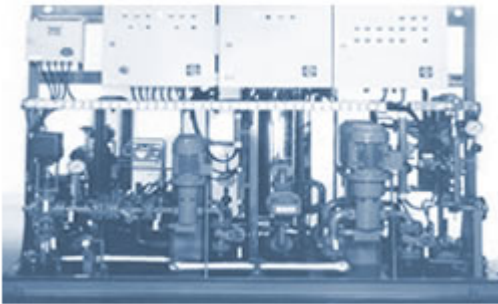
Fuel Systems

We have experiences with Fuel-Systems and invested into research in order to progress these systems. We are today in the position to adapt the Fuel-System nearly to the consumer (Diesel-Engines) in order to provide maximum operation safety and best conditioning results with respect to low tear and wear cost at the plants. Optimal fuel conditioning causes also a more efficient use of the fuel. To this, also contributes the careful heating of the HFO step by step.

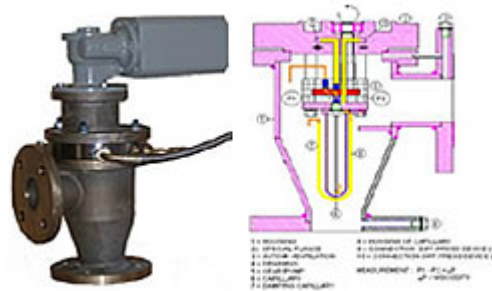
Combined Fuel and Lube oil System together with Booster Module



Booster Module



Viscosity sensor



HFO / LFO Supply Module



HFO Separator Modul



Lube oil and Air Systems

For Lube oil and Air-Supply, two systems are at disposal, that have demonstrated in many applications their function and reliability. The Lube oil Reconditioning System is belonging to the individual industrial and power plant purpose or where the Pre-lubricating and Air Supply System is arranged centrally for a complete Power station.

Lube oil Conditioning



Starting Air and Re-lubricating



Combined Preheating and Pre-lubricating



Electric Pre-heater Module



Cooling Systems

Radiator Cooling Unit

This system transfers the absorbed heat into the atmosphere via a ventilated finned - pipe - cooling - block (Honeycomb). The most important aspects for the design are cooling air temperature and installation height (a.s.l.). It is not necessary to provide additional Feed Water. Refilling becomes only necessary in case of leakage or other loss in the system. The ambient conditions must be carefully considered. In sea- air atmosphere or in chemically contaminated atmosphere, special resistant alloys are available or resistant coatings can be applied to the Cooling Block. In dusty atmospheres, there are used wide fin pitches in the Cooling Blocks.

Water supply Module



Radiator Cooling different design and ambient condition



Spokane
for Commercial Agencies



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