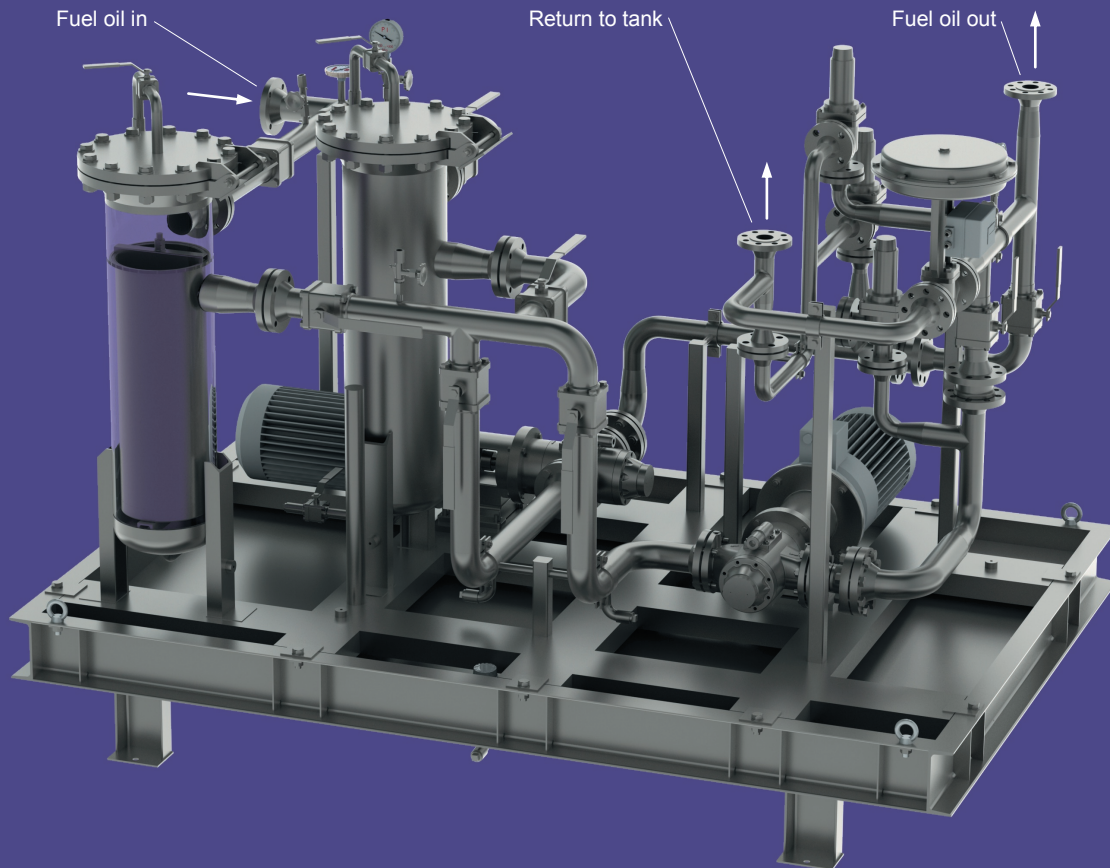




OIL PUMP STATION



Fuel oil stations are designed for filtering, pumping, and transferring light fuel oil. For use with heavy fuel oil, the unit is equipped with a pre heating system, which may be powered by, for example, electricity, hot water, or steam. Any other accessories required by the process can be included.

The oil station's main components and accessories:

- frame
- basket filters (suction and pressure filters)
- oil pumps
- overflow valve
- pressure gauges
- thermometers
- pipes
- shut off valves
- control valves
- safety valves
- heat exchangers
- Basin for leakage.

The incoming oil is transferred through the basket filter to the pump. From there, the oil flows to the target location through the pipes. The filter prevents impurities from entering the pump system and the process, as contamination could lead to clogging or other disruptions in operation. The basket filter can be opened for cleaning.

Any blockages to oil flow in the overflow pipes must be prevented. The unit is equipped with an overflow valve, which opens if the pressure against it exceeds the set value. This valve is used to redirect oil to the tank.

Specified materials: P235GH, EN1.4301 or EN1.4404

Typical design pressure: 0 – 25 bar

Typical design temperature when the station is used with light fuel oil: 0 – 50 °C

Typical design temperature when the station is used with heavy fuel oil: 0 – 150 °C

To enable easy access for maintenance, 800 mm of space should be kept free on two sides of the unit.