

Fuel Oil Supply and Booster Module for Power Stations and Marine Engines

The fuel oil supply and booster module is designed for fuel oil systems, including those in land power stations and marine engines that burn high viscosity heavy fuel oil. This pressure-style system offers high thermal efficiency, a compact structure, and automatic functions such as filter back-flushing and viscosity control.



Product Overview

High-Efficiency Fuel Management

This pressure-style fuel oil supply and booster module is engineered for land-based power stations and marine applications, including main and auxiliary engines burning high-viscosity heavy fuel oil. The system features a compact, modular design that simplifies installation and reduces shipbuilding periods while maintaining high thermal efficiency. It integrates advanced automation, including viscosity control, automatic back-flushing, and PLC-based monitoring, to ensure consistent and reliable fuel delivery.

Key Features & Automation

Automation Capabilities

Automatic Viscosity Control, Automatic Back-flushing Filter, Automatic Pump Alternative, Automatic Exhaust, PLC Auto/Hand Control, Automatic Error Alarm

System Components

Integrated Components

- Oil supply pumps
- Circulating pumps
- Flowmeter
- Mixing tank
- Primary fuel filter
- Self-cleaning fuel filter
- Fuel oil heater
- Fuel oil viscosity control system
- PLC electric controller
- Instruments, valves, and attachments

Operational Parameters

Heating Requirement

80 Celsius

Minimum Inlet Heating

System Design

Design Advantages

High Thermal Efficiency • Compact Structure • Modular Design • Stainless Steel Piping