

Methanol Fuel Supply Skid

DATA SHEET

Description

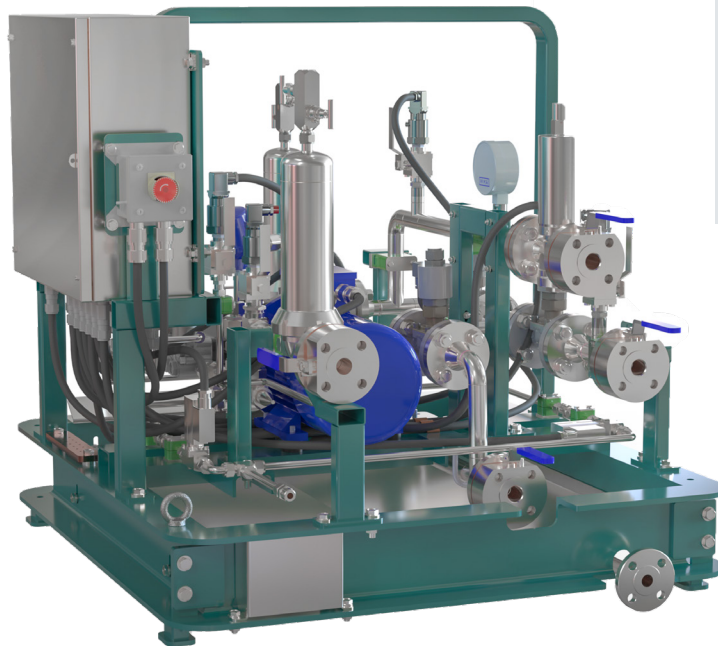
Heinzmann UK have been designing and building fuel supply skids for gas turbines for many years. Our methanol fuel supply skid is a next logical step towards the worldwide zero carbon emission program. Using our years of design experience to meet the needs of a growing market requiring a flexible approach to design and customization.

Skids are designed and manufactured at our factory in Middlesbrough, UK where our engineering team work closely with customers to ensure skid meets all technical requirements and standards.

The skid is designed for the continuous methanol fuel supply from engine start to up 100% load. A separate control

panel monitors parameters and manages the fuel supply according to the engine's demand. A programmable logic controller can be integrated into the main control system and programmed to meet various tasks including fuel supply mapping. A variable speed drive is set up to maintain a constant speed fuel supply via the 3 phase electric motor at 50 Hz with option to regulate the speed in the range from 0 Hz to 320Hz. Solenoids, sensors and transmitters are 24VDC.

All components are CH3OH friendly and corrosive resistant. Skid can be used within marine and industrial engines applications.



Features

Designed around customer requirements

Fixed and variable speed motors catering for variable fuel supply pressure & delivery rates

ATEX / Marine Classification

Separate control and monitoring panel with HMI

Purge or auto purge by nitrogen

Drip tray fitted

Specification & Options

IP rating	IP55
ATEX	Zone 1
Material	All pipe work fittings & valves 316 Stainless steel EPDM/PTFE seals for sensors & fittings
Max Pressure	Methanol injection skids with a max design pressure of 450 Bar available
Options	Mass flow meter Accumulator – pulsation damper & pressure stabilisation ATEX protection options - Ex d, Ex I & Ex e mb for sensors, RTD, switches and automated valves On/off skid Ex d enclosures Standalone valve train Filter blockage indication Methanol leak detection Automated pipework fluid drain Automated purge with nitrogen Separate methanol cooling system with heat exchanger Open/Closed indication switch for remote operated valves DNV/Marine certification ANSI/ASME B16.5, EN 1092-1, NPT, BSPP & DIN 2353 inlet/outlet connections