



A Division of TM Industrial Supply, Inc.

Fuel Gas Conditioning Packages

TM Filtration can integrate its standard product technologies into a standalone Fuel Gas Conditioning Package. The Fuel Gas Conditioning Package is designed to take fuel gas from a supply source and “condition” it to meet the fuel gas criteria established by the engine or turbine manufacturer. Conditioning focuses on two major attributes of the fuel gas, contaminants and heat value.

A properly designed Fuel Gas Conditioning Package will eliminate the detrimental contaminants, both particulate and liquid aerosols. Liquid contaminants collected in a drains tank can be drained automatically. The package will also provide the necessary super heat to insure turbine or engine performance and to mitigate the Joules Thompson effect of pressure regulation. Additionally, fuel gas pressure control and metering can also be incorporated into the Fuel Gas Conditioning Package.



Featuring TM Filtration's GFM Technology®

APPLICATIONS:

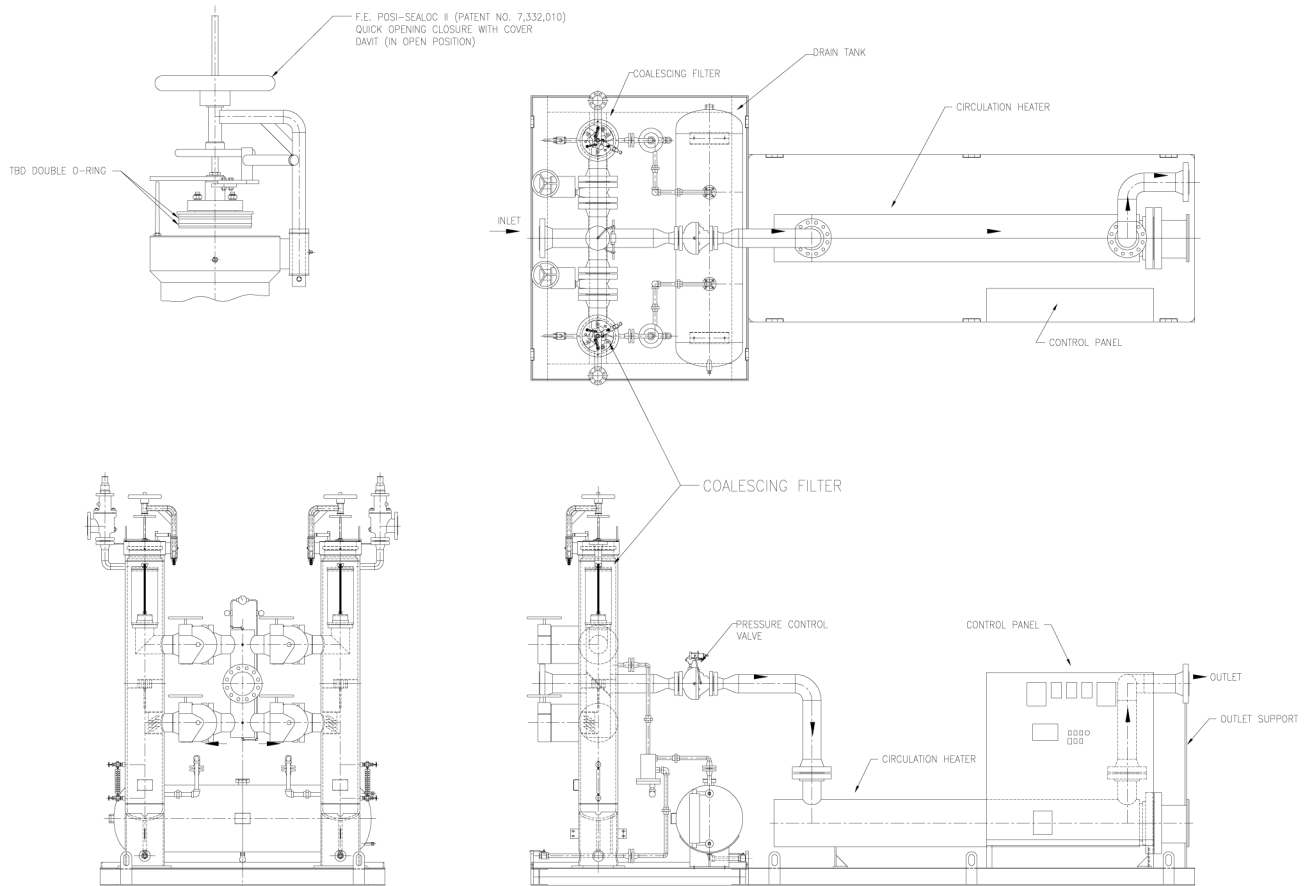
- Turbine protection
- Gas compressor oil & water removal
- Meter protection
- Liquid removal prior to compressed gas storage
- Heat exchanger protection
- Vacuum pump protection (when a knock out pot is not enough)

DESIGN INFORMATION:

- All vessels are designed per ASME code Section VIII Div. 1 (Latest addendum)
- ASME “U” Stamp available upon request
- TEMA shell and tube heat exchangers
- Class 1, Div 2 Hazardous Classification
- NEMA rated electrical panels
- Integrated Modular Design
- NAIMA 3Eplus insulation
- ASME B 31.3 piping

Solutions for the New Gas Industry

Fuel Gas Conditioning Package in optional duplex arrangement



Typical components of a Fuel Gas Conditioning System

- Liquid Coalescing and Particulate Filtration to 0.3 μ
- Electric or Gas fired Process Heaters
- Liquid Drain Collecting Tank with automatic level control
- Process pressure control
- NEMA rated control panel
- Structural Steel mounting Skid
- Interconnect valves and piping

Optional equipment for Fuel Gas Conditioning

- Heat Tracing and insulation of process lines
- Gas Metering
- Gas Scrubbers
- Work Platforms and Access ladders