

Fuel Gas Conditioning Systems

Integrated Flow Solutions Fuel Gas Conditioning Systems are designed to protect natural gas fueled engines and turbines from liquid slugs, solids (<0.1 microns) and liquid aerosols. Additionally, the fuel gas is superheated above the hydrocarbon and water dew points to prevent liquid condensation in the turbine's combustion chambers. These systems meet or exceed reciprocating engine and turbine manufacturers' fuel gas quality specifications providing dry, clean fuel to increase the life of the equipment.



Industries



POWER



OIL & GAS



GENERAL

Benefits

- Single Source Accountability
- Pre-Packaged Modular Design Costs Less Than Component Based Site-Built Systems Reducing Overall Project Cost
- Minimizes Field Erection Time - Shorter Overall Project Delivery Schedule
- Complete System Function Testing Prior To Shipment
- 24/7 Customer Service

Industry Standards

- Vessels Code Stamped ASME Section VIII & National Board Registered
- Piping Designed to ANSI B31.1/ANSI B31.3
- Pipe Fabrication to ASME Section IX
- Structural Steel Assembly Designed to AWS D1.1
- API 14C for Offshore Applications

Standard Features

- Process Validation/Guarantee Using "Aspen Plus" Simulation Software
- ASME Scrubbers/Separators/Coalescers/Filters
- INTEGRAHEAT™ Electric Process Heaters

Standard Features (Continued)

- TEMA Shell & Tube Exchangers
- Class 1, Div. 2 Hazardous Locations
- Local Control Panel

Optional Features

- Ladder and Platform for Vertical Filter Access
- Michell™ Instruments Hydrocarbon and Water Dewpoint Measurement and Control
- IEC/CENELEC/CSA Compliant Control Panel, Conduit and Wiring
- PLC Control System with Data Highway
- NACE MR-01-75 Latest Edition for Sour Service
- Pneumatic Pressure Test After Re-Assembly
- Third Party Inspection by ABS, Lloyd's and DNV
- Compliance with Plant/Engineering Specifications

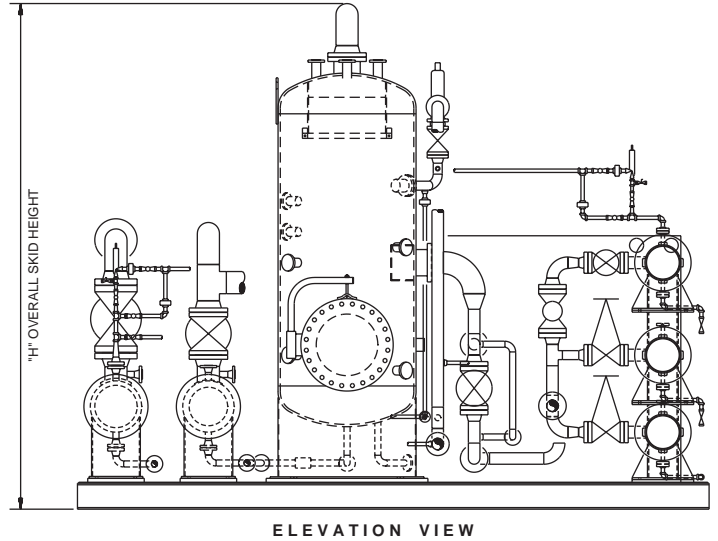
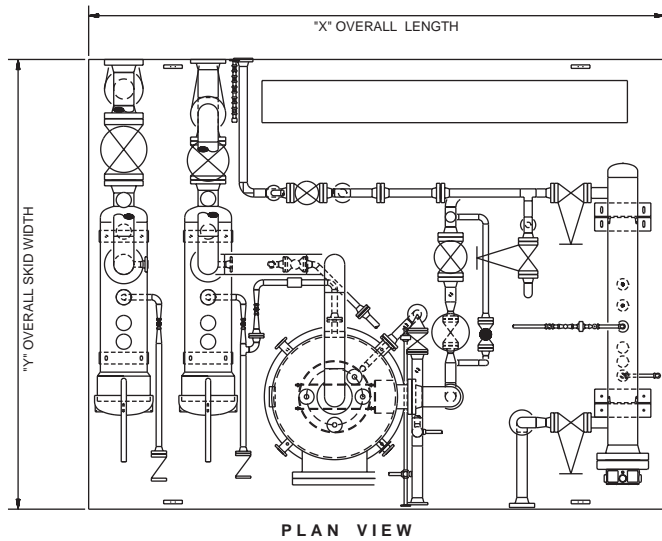
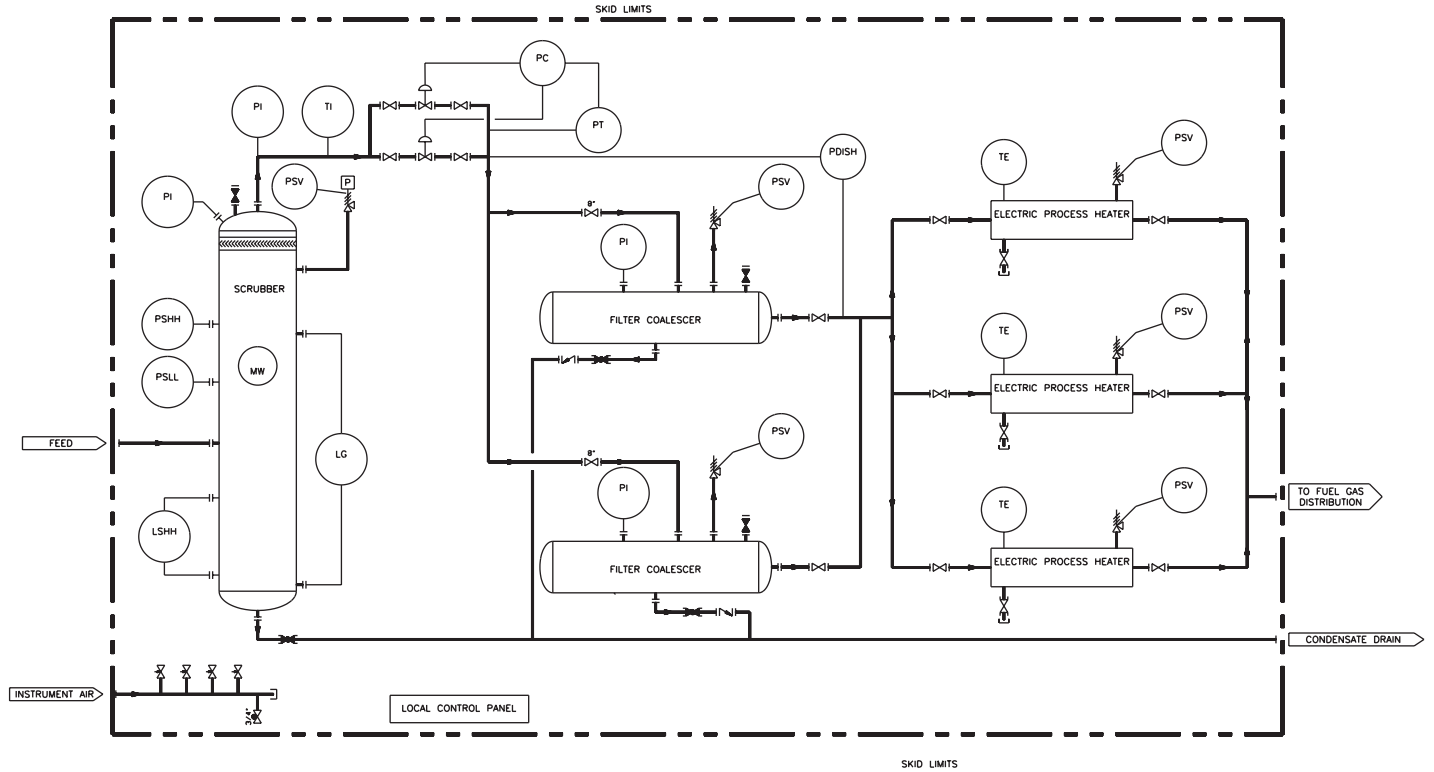
Standard Designs

- **Power**
 - Frame Size Gas Turbines
 - Aero-Derivative Size Gas Turbines
- **Oil & Gas**
 - Cross Exchanger Design That Recovers Heat Loss From Pressure Drops

Additional Services

- Installation/Training/Start-Up Supervision
- Extended Equipment Warranties
- Nationwide Service Network

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Power

| FLOWRATE MMSCFD | LENGTH - X | WIDTH - Y | HEIGHT - Z | WEIGHT - LBS. |
|--------------------|------------|-----------|------------|---------------|
| 60 | 40' | 12' | 12' | 50,000 |
| 30 | 35' | 12' | 12' | 40,000 |
| 20 | 25' | 12' | 12' | 30,000 |
| 10 | 15' | 8' | 12' | 15,000 |

Oil & Gas

| FLOWRATE MMSCFD | LENGTH - X | WIDTH - Y | HEIGHT - Z | WEIGHT - LBS. |
|--------------------|------------|-----------|------------|---------------|
| 35 | 20' | 15' | 16' | 60,000 |
| 25 | 18' | 12' | 16' | 57,500 |
| 15 | 17' | 12' | 14' | 55,000 |
| 10 | 16' | 12' | 14' | 52,500 |
| 5 | 15' | 10' | 14' | 50,000 |

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