

Production Sand Removal System / Desander Skid

Integrated Flow Solutions Production Sand Removal Systems (a.k.a. desanding skids or desander packages) are designed to remove sand deposited in oil & gas equipment (production separators, inlet separators, crude oil dehydrators, etc.) without interrupting operation. Increased sand content in the produced oil & gas stream is usually the result of reduced wellhead pressure to increase production. Sand accumulated in the separation vessel is automatically dumped into a sand receiver for disposal.

Industries



Benefits:

- Desanding of production equipment during normal operation – no need to shutdown equipment for sand removal
- Removal of sand concentrations up to 15% by weight
- Removal of sand particle size down to 1 micron
- Up to 98% sand removal efficiency
- Inlet pressure range of 0-600 psig
- Pre-Packaged Modular Design Costs Less than component based site built which reduces 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

Standard Features:

- Hydrocyclone separator technology using **USFilter** ceramic liners
- Ceramic Liners sizes from 1" to 24"
- Hi-chrome slurry pump construction for long life and reduced downtime
- Automated PLC based system control for ease in desanding multiple vessels and/or remote operation
- Rigid structural steel base with curbed perimeter & drain to minimize environmental impact
- Hydrotesting of all piping
- High quality industrial coating system

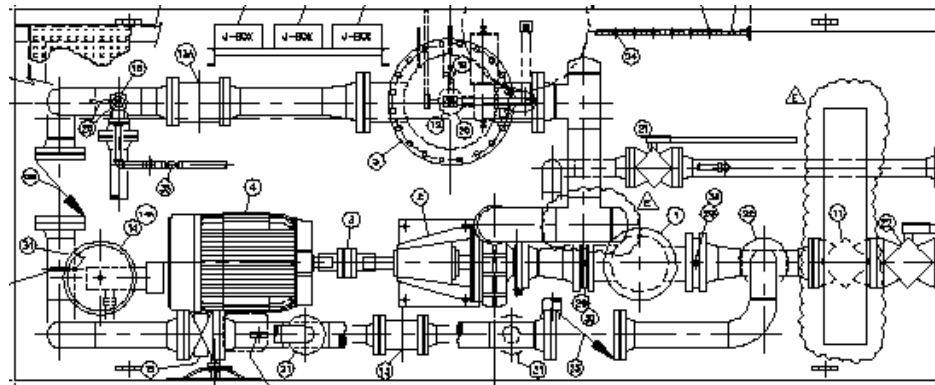
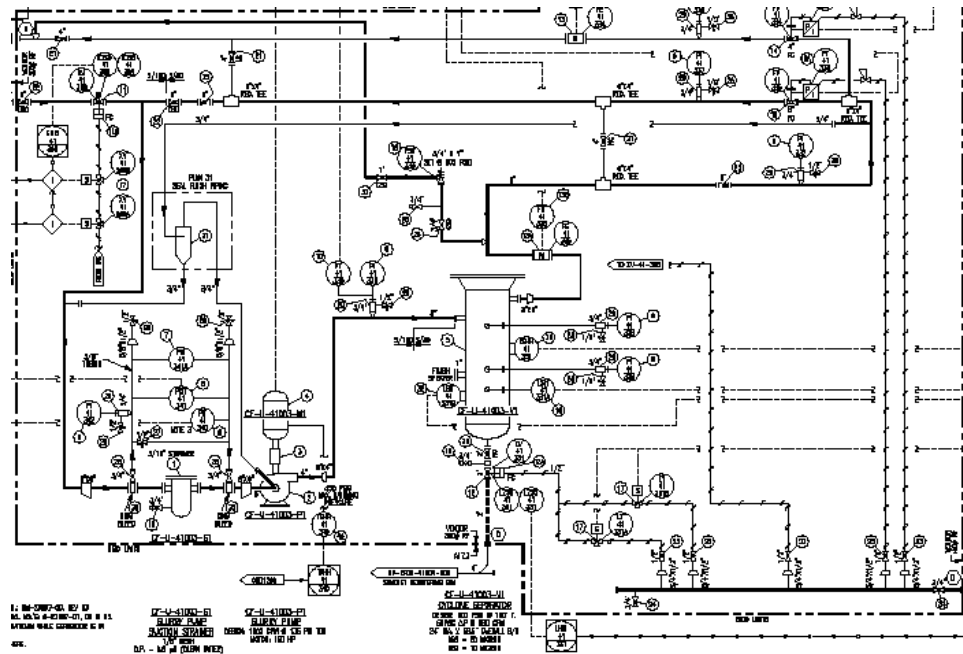
Optional Features:

- All NEMA or IEC rated enclosures and components for Class 1, Div. 1 or Div. 2 electrical areas
- Panelview Operator Interface
- Complete string test of package with sand laden fluid to duplicate actual site conditions

Additional Services:

- Nationwide Service Network
- Installation & Supervision
- Turn-Key Projects
- Equipment leasing Program
- Extended Equipment Warranty

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Plan View

ELEVATION VIEW

<u>Flow Rate (GPM)</u>	<u>Length – X</u>	<u>Width – W</u>	<u>Height – H</u>	<u>Weight</u>
<u>500</u>	<u>5'</u>	<u>6'</u>	<u>12'</u>	<u>8000#</u>
<u>750</u>	<u>8'</u>	<u>7'</u>	<u>14'</u>	<u>16,000#</u>
<u>1000</u>	<u>10'</u>	<u>8'</u>	<u>14'</u>	<u>22,000#</u>

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