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

Integrated Flow Solutions 9807 Whithorn Drive Houston Texas 77095 281-855-8125

www.IFSolutions.com
Production Sand Removal System / Desanding Skid

Plan View

<table>
<thead>
<tr>
<th>Flow Rate (GPM)</th>
<th>Length – X</th>
<th>Width – W</th>
<th>Height – H</th>
<th>Weight</th>
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<td>6'</td>
<td>12'</td>
<td>8000#</td>
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<tr>
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<td>8'</td>
<td>14'</td>
<td>22,000#</td>
</tr>
</tbody>
</table>

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