Well Testing

Integrated Pressure, Filtration & Injection System
WT-CIP-100 Series

The Chemical Injection Pump Services (CIP) 100 Series is a compact versatile fluid transfer and/or injection system that integrates bulk and multi-line NAS filtration. The unit is comprised of three key functionalities:

High 120 GPM @ 120 PSI
Medium 10.8 GPM @ 15000 PSI
Low 0.38 GPM @ 30000 PSI

Applications
- High Pressure/Low flow rate, NAS filtration for Subsea/IWOCS, Umbilical’s, Subsea Test Trees, BOP Controls, Hydraulic Systems, Control Panels, etc
- Chemical Injection services for all types of Surface & Down Hole Control Lines
- Pressure Testing Vessels, Flow Lines, Subsea Trees, Umbilical
- Bulk Filtration of Down Hole Inhibitors & Control Fluid
- Bulk Filtration, Transfer & Filtration to NAS Specifications
- Flushing of Production & Subsea Hoses & Flow Lines
- Compact Air driven NAS Filtering/Flushing Unit

Features & Benefits
- Emulsion Breaking or Diffusion
- Prevention & Dissolution of Hydrates
- Prevention of Oil foaming
- Corrosion Inhibition
- Wax Breakdown
- On-site Pressure Test Recording
- NAS Filtration designed for Site Specific Criteria
- On-site NAS Sampling
- Custom Component Fabrication for System Interface with client facility
- Centeralized System Controls to Maximize Efficiency under constantly changing conditions
- Seamless project execution, design, engineering & implementation
<table>
<thead>
<tr>
<th>Technical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area Classification</strong></td>
</tr>
<tr>
<td><strong>Pump Applications</strong></td>
</tr>
<tr>
<td><strong>Pump Flow Rates &amp; Pressures</strong></td>
</tr>
<tr>
<td><strong>NAS Filtration</strong></td>
</tr>
<tr>
<td><strong>Manual Operation</strong></td>
</tr>
<tr>
<td><strong>Automatic Operation</strong></td>
</tr>
<tr>
<td><strong>System Weight &amp; Dimensions</strong></td>
</tr>
</tbody>
</table>