



## 1478 HP Low Pressure Pipeline Screw Compressor Package

COMPASS MODEL NO: WK1478-SF450

<b>Application:</b>	Low Pressure Pipeline Compressor
<b>Location:</b>	North Dakota
<b>Customer Objective:</b>	Install a number of low pressure pipeline compressors along the pipeline to allow additional tie-in points for customers (solution gas)
<b>Compass Solution:</b>	<p>Compass Compression evaluated the application and proposed large screw compressor packages vs multi-stage reciprocating compressor packages to minimize initial capital, operating and maintenance costs.</p> <p>A Waukesha stoichiometric engine was selected due to the rich fuel gas available.</p>

### Major Equipment Specifications

**Compressor:**

Frick NGC series 450E integrally geared oil flooded screw

**Drive:**

Waukesha L7042GSI rated 1478 HP @ 1200 rpm

**Air Cooler:**

Air-X-Changer 156 EH engine drive vertical fan cooler

**Control Panel:**

Allan Bradley Compact Logix PLC control panel complete with accessories

**Other Features:**

Process design for variable conditions – high gas rate

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