GAS RECOVERY
METERING INJECTION PUMP

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There ain’t no better pump

**Model 42 Chemical Metering Pump**
- One quarter inch plunger
- 80:1 ratio
- Working pressures to 10,000 PSI
- Flows to 70 quarts per day

**Model 62 Chemical Metering Pump**
- Three eighths inch plunger
- 36:1 ratio
- Working pressures to 5,400 PSI
- Flows to 155 quarts per day

**Model 82 Chemical Metering Pump**
- One half inch plunger
- 20:1 ratio
- Working pressures to 3,000 PSI
- Flows to 275 quarts per day

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Model 42-402-GS in service
Ceramic Plunger with Teflon Graphite Uniseal
Pump injecting 10 gallons per day of H2S scavenger
Exhaust gas recovered to 70 PSI gas line from separator to compressor

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<table>
<thead>
<tr>
<th>Model Number</th>
<th>Plunger Size</th>
<th>Piston Size</th>
<th>Amplification Ratio</th>
<th>Supply Pressure (PSI)</th>
<th>Discharge Pressure (PSI)</th>
<th>Maximum Full Strokes Per Minute</th>
<th>Out Put Volume Qts/Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>1/4”</td>
<td>2.25”</td>
<td>80:1</td>
<td>15 to 150</td>
<td>0 to 10,000</td>
<td>55</td>
<td>70</td>
</tr>
<tr>
<td>62</td>
<td>3/8”</td>
<td>2.25”</td>
<td>30:1</td>
<td>15 to 150</td>
<td>0 to 5,400</td>
<td>55</td>
<td>155</td>
</tr>
<tr>
<td>82</td>
<td>1/2”</td>
<td>2.25”</td>
<td>20:01</td>
<td>15 to 150</td>
<td>0 to 3,000</td>
<td>55</td>
<td>275</td>
</tr>
</tbody>
</table>
Gas Recovery Metering Injection Pump

Benefits of the GS Chemical Metering Injection Pump:

- Pump components are NACE MRO 175 compliant
- Pumps equipped with Ceramic Plungers have lifetime warranty against plunger breakage or wear.
- Pumps are field serviceable, easy to repair with low cost of purchase & ownership.
- Any existing Model 42/62/82 Series can be retro fitted to the GS Series
- Compliant with ZERO emissions policies
- Applicable in hazardous & explosion proof environments
- 100% Recovery of exhaust

Applications include but are not limited to:

- Sour Gas Recovery: Route H2S gas exhaust to H2S scavenger system
- Gas Recovery for Hazardous Areas: Redirect exhaust gas away from Class 1 Div 1 Group D areas
- Gas Recovery to flare stack
- Gas Recovery injected back into low pressure side of compressor or separator unit
- Gas Recovery of exhaust gas into odorized units
- Gas Recovery as fuel source for natural gas aspirated engines

Formula for calculating recovery pressure:

\[ \text{Recovery pressure} = \text{Supply pressure} - \text{Discharge Pressure} - 25 \text{ psig} \]

Amplification Ratio

**Gas Recovery Pump formula calculator is available online at: http://sidewinderpumps.com/gas-recovery.**
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“Dedicated to providing state of the art metering solutions for all your chemical treatment needs.”