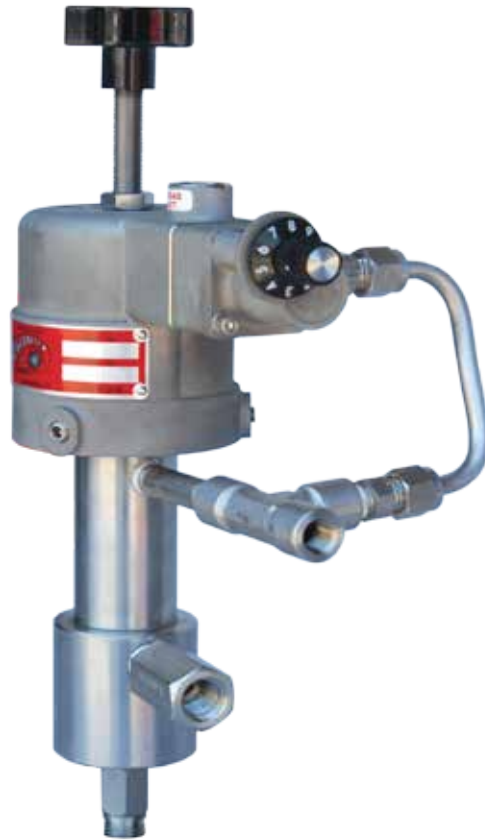




Chemical Metering Pumps

www.sidewinderpumps.com

GAS RECOVERY METERING INJECTION PUMP



Sidewinder Pumps, Inc.

P.O. Box 80769, Lafayette, LA 70598

107 Commission Blvd, Lafayette, LA 70508

Phone: 337-235-9838 • Fax: 337-235-9852

www.sidewinderpumps.com • info@sidewinderpumps.com

****This document replaces any & all documents prior to this date.****
10/11/16



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



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

Pump Specifications and Performances

Model Number	Plunger Size	Piston Size	Amplification Ratio	Supply Pressure (PSI)	Discharge Pressure (PSI)	Maximum Full Strokes Per Minute	Out Put Volume Qts/Day
42	1/4"	2.25"	80:1	15 to 150	0 to 10,000	55	70
62	3/8"	2.25"	30:1	15 to 150	0 to 5,400	55	155
82	1/2"	2.25"	20:01	15 to 150	0 to 3,000	55	275

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 life time 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:

$$\text{Recovery pressure} = \text{Supply pressure (-) } \frac{\text{Discharge Pressure (-) 25 psig}}{\text{Amplification Ratio}}$$

**Gas Recovery Pump formula calculator is available online at : <http://sidewinderpumps.com/gas-recovery.html>



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“Dedicated to providing state of the art metering solutions for all your chemical treatment needs.”

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Pneumatic Chemical Metering Pumps

Solar Powered Chemical Metering Pumps

Electric Powered Chemical Metering Pumps

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