



Metering Pumps



Pneumatic Pumps

Gas Recovery Pump

Electric Pumps

Solar Pumps

Lightweight

Reliable

Durable

Accurate



***There Ain't No Better Pump!
Neaux!***

www.sidewinderpumps.com

Pump Models and Specifications:

Plunger Pumps

| Series Number | 40 | 42 | 44 | 60 | 62 | 64 | 80 | 82 | 84 | 164 |
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Plunger Size | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" | 3/8" | 1/2" | 1/2" | 1/2" | 1" |
| Piston Size | 1.25" | 2.25" | 4.00" | 1.25" | 2.25" | 4.00" | 1.25" | 2.25" | 4.00" | 4.00" |
| Amplification Ratio | 25 to 1 | 80 to 1 | 240 to 1 | 11 to 1 | 36 to 1 | 110 to 1 | 6.25 to 1 | 20 to 1 | 60 to 1 | 16 to 1 |
| Supply Pressure (PSI) | 15-150 | 10-150 | 10-150 | 15-150 | 10-150 | 10-150 | 15-150 | 10-150 | 10-150 | 10-150 |
| Discharge Pressure (PSI) | 0-3750 | 0-10,000 | 0-10,000 | 0-1,600 | 0-5,400 | 0-10,000 | 0-935 | 0-3,000 | 0-9,000 | 0-2,400 |
| Full Strokes/Minute (Max.) | 60 | 55 | 35 | 60 | 55 | 30 | 60 | 55 | 30 | 40 |
| Output Volume (QPD) | 90 | 70 | 30 | 200 | 155 | 67 | 360 | 275 | 120 | 680 |
| Suction-Discharge Size (MNPT-FNPT) | 1/4"-1/4" | 1/4"-1/4" | 1/4"-1/4" | 1/2"-1/4" | 1/2"-1/4" | 1/2"-1/4" | 1/2"-1/4" | 1/2"-1/4" | 1/2"-1/4" | 3/4"-1/2" |

Diaphragm Pumps

| Model Number | D1-PVC | D1-316 | D2-PVC |
|--------------------------|----------|----------|----------|
| Pump Head Material | PVC | 316SS | PVC |
| Diaphragm Size (inches) | 1 | 1 | 2 |
| Diaphragm Material | Aflas | Aflas | Aflas |
| Check Valve Material | PVC | 316SS | PVC |
| Strokes/Minute | 0-100 | 0-100 | 0-60 |
| Output-GPH(LPH) | 1.04(4) | 1.04(4) | 12(45) |
| Discharge Pressure (PSI) | 0-150 | 0-150 | 0-150 |
| Supply Pressure (PSI) | 10-150 | 10-150 | 10-150 |
| Inlet-Outlet Connection | 1/4"MNPT | 1/4"MNPT | 1/2"MNPT |

Walking Beam Pumps

| Model Number | WB-4 | WB-8 |
|--------------------------|------------------|------------------|
| Plunger Size | 1/4" | 1/2" |
| Discharge Pressure (PSI) | 0-3000 | 0-1000 |
| Maximum Output (QPD) | Strokes/Min. X 1 | Strokes/Min. X 4 |
| Inlet Connection | 1/4"MNPT | 1/2"MNPT |
| Outlet Connection | 1/4"MNPT | 1/4"MNPT |

Sidewinder Offers Lightweight, Compact Design

Used primarily to inject metered amounts of chemicals into pressurized systems, the Sidewinder is a positive displacement pump which features a lightweight, compact design for easy maintenance and repair. The Sidewinder is durable and reliable, but since it is continually operating, part replacement and repair is to be expected. Our simple design allows for:

- Fewer parts to replace;
- Disassembly and repairs which are quick and easy; and,
- Extremely competitive pricing.

Easy to install, Sidewinder Pumps can be operated either pneumatically, electrically or mechanically depending on your requirements. Applications include the injection of required treating chemicals into wellheads, flowlines, lease production facilities, and refinery processes as well as the injection of methanol to prevent gas line freezing. Additionally, Sidewinder Pumps have applications for pharmaceutical, municipal, pulp and paper, industrial, food processing, and water treatment.



There Ain't No Better Pump

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Easy Does It!

Sidewinder can make your life a lot easier by providing you with a chemical metering pump which:

- Easy installation and field maintenance
- Offers easy seal and plunger replacement in the field
- Control valve is field repairable

Simplicity is the name of our game. The Sidewinder accepts supply gas/air pressure from 10 psi to a maximum of 150 psi without the use of any multiple relays.

Accurate & Reliable!

Most importantly, the Sidewinder accurately meters down to 1 quart per day. There's dual volume control with the Timer Control and Stroke Length Adjuster features, and the standard pump weighs less than five pounds, yet delivers a pressure of 10,000 psi and a volume in excess of 60 quarts per day.

Still Improving!

Since Sidewinder Pumps play an important role in your business, we are constantly looking for ways to enhance their performance.

- Sidewinder Pumps wet end components come standard 316 SS material of construction on the pump chamber and check valves. Titanium and Hastelloy wet end components are available for aggressive chemical applications.
- Sidewinder Pumps now offer silicone grease lubrication for Plunger Packing.
- The Gas Recovery Pump recovers 100% of the exhaust supply gas from the pump eliminating hydrocarbon emissions.
- Tapped exhaust port is standard for piping exhaust gas to alternative collection or disposal point.
- Ceramic Plungers carry lifetime warranty against breakage or wear.

For complete listing of all pump models, operational and technical information, visit our website.

www.sidewinderpumps.com

Popular Models:



Grease Lubricated
Plunger Packing
Model Shown

42/62/82 Series

TM



40/60/80 Series

Grease Lubricated
Plunger Packing
Model Shown

TM

Sidewinder Pumps Inc. asserts trademark rights in and to the distinctive appearance of Sidewinder Model 40, 42, 60, 62, 80 and 82 pumps.

Standard Features:

Control Valve

With very little frictional contact, Sidewinder provides a control valve that leaves you with no sticking and minimal wear. With this low maintenance design, there are no U-cups to grease and piloted fitting parts prevent misassembly. All 316SS construction is also corrosion resistant.

Stroke Length Adjuster

Precise volume adjustment is provided.

Timer Control

There's no need to reset the knob with our unique timer control which allows for continuous speed adjustment.

Powerhead

316SS construction standard provides excellent corrosion resistance.

Metal Lube Body

This feature provides for a longer life and less chance for thread galling.

Lockscrew Mounting Configuration with Grooved Mounting Flange*

Three stainless steel lockscrews are equally spaced to secure powerhead mounting and provide 360 degree orientation.

* For Models 40, 42, 60, 62, 80 and 82.

Multiple Seal and Plunger Options

Sidewinder offers a wide variety of seal and plunger options to handle your specific chemical pumping needs. We eliminate the need for a backup ring with one-piece U-cup seals. A mirror smooth plunger also extends seal life while providing excellent sealing. Ceramic plungers come with a lifetime warranty against breakage and wear.

Pump Chamber and Check Valves

316SS construction standard with Hastelloy and Titanium options also available. Discharge check valve has a special design to prevent backseating and is easy to repair when necessary. Also, special hard seated discharge check valves are available.

Model D1 & D2 Diaphragm Pump

D1 shown, is available as 316 SS and PVC. D2 is available in PVC only.

Gas Recovery Pump

Available in 1/4", 3/8" & 1/2" plungers. Contact Factory for pump sizing



TM





Model 164



44/64/84 Series



Walking Beam Pump

WB4 -1/4" plunger
WB8 -1/2" plunger

Pump Options



Seals

We offer two seal arrangements, one piece Uniseal and O-ring with back up rings. With over 10 elastomer offerings, Sidewinder Pumps can meet your chemical compatibility needs. Sidewinder Pumps also provides seals in customer specified materials of construction.



Plungers

Plungers come standard in 17-4 SS with options in 316 SS, Chrome Plated, Electroless Nickel Plated, 440C SS, Ceramic, Titanium and Hastelloy. Ceramic plungers carry a lifetime warranty against breakage and wear. Sidewinder Pumps also provides plungers in customer specified materials of construction.

Wet End

Wet End components come standard 316 SS material of construction on pump chamber and check valves. Titanium and Hastelloy material of construction available for aggressive chemical applications. Check Valves available with Ceramic balls.



Accessories

F4-150 Filter

Air, gas or liquid chemical filter, 1/4 inch NPT 316 SS construction, 20 & 40 Micron Polyethylene filter element available. Excellent for Methanol service.



LC-4S Line Check

1/4 inch FNPT inlet connection & 1/4 inch MNPT outlet connection, 2 piece construction—repairable. 316 SS Body and Internal Components with Teflon O-ring seat, MAWP 10,000 PSI

