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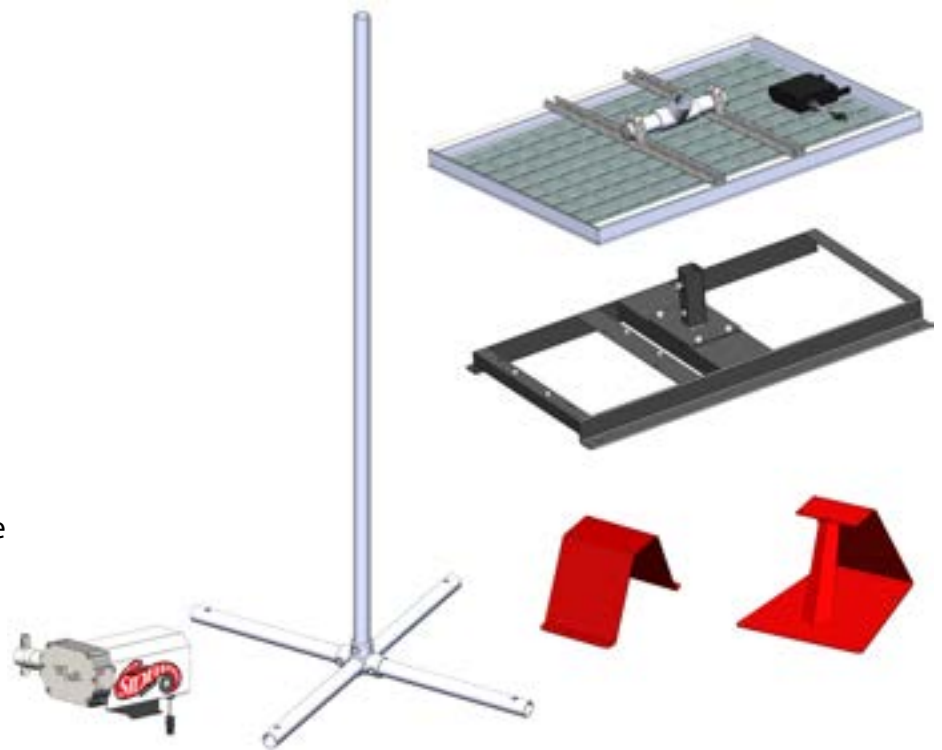
Solar Powered - Chemical Injection Pump

Suggested Installation & Operating Instructions

BASIC SYSTEM SETUP:

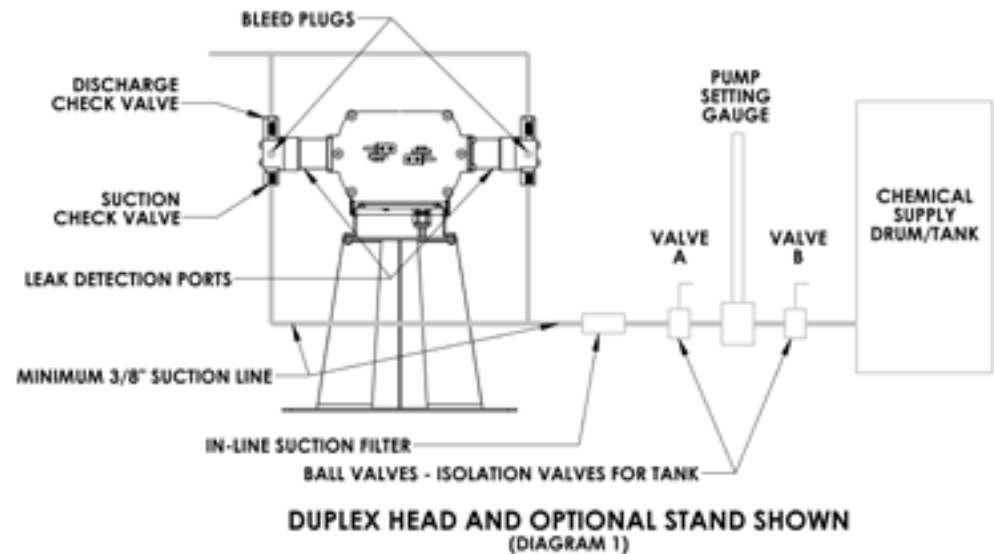
Step 1: INSTALL SOLAR PANEL(S) - If your solar panel is supplied by Sidewinder, install it with the supplied mounting components. A simple tee type mount is supplied and pre-attached on single panel setups, and is part of the install kit for double panel setups. Separate instructions will be included with the solar panel kit. Set the tee on top of the stand pole, point the panel to the south and tighten the lower set screw. Adjust the tilt of the panel to the suggested degree of inclination. ***Use care to avoid damage to the glass panels. Location MUST provide full southern exposure with NO SHADE.***

Step 2: MOUNT THE PUMP - Securely fasten your Sidewinder Pump in the desired location. Sidewinder offers a welded skid providing the mounting location for the pump and also stand-alone stands for the pump. As an alternate, the integral pump motor mount can be bolted directly to any existing structure.



Step 3: PLUMBING THE PUMP: (See Illustration below – duplex version shown)

- a) Install pump setting gauge between two isolation ball valves as shown below.
- b) Install pump with suction filter and isolation ball valve between the pump and the pump setting gauge.
- c) Connect the feed line to the Suction Check Valve(s) using 1/4" MNPT connectors.
- d) Connect the discharge line to the Discharge Check Valve(s) using 1/4" MNPT connectors.
- e) 1/8" FNPT ports are provided for detection of seal leakage. They may be used to plumb drainage to containment area.



- f) **NOTE: Industry safety practice requires installation of a properly sized pressure safety valve at the discharge side of the pump.**
- g) **NOTE: Sidewinder Pumps Inc. strongly recommends the addition of a line check valve at the point of injection.**
- h) **NOTE: Do not use non-metallic discharge lines.**

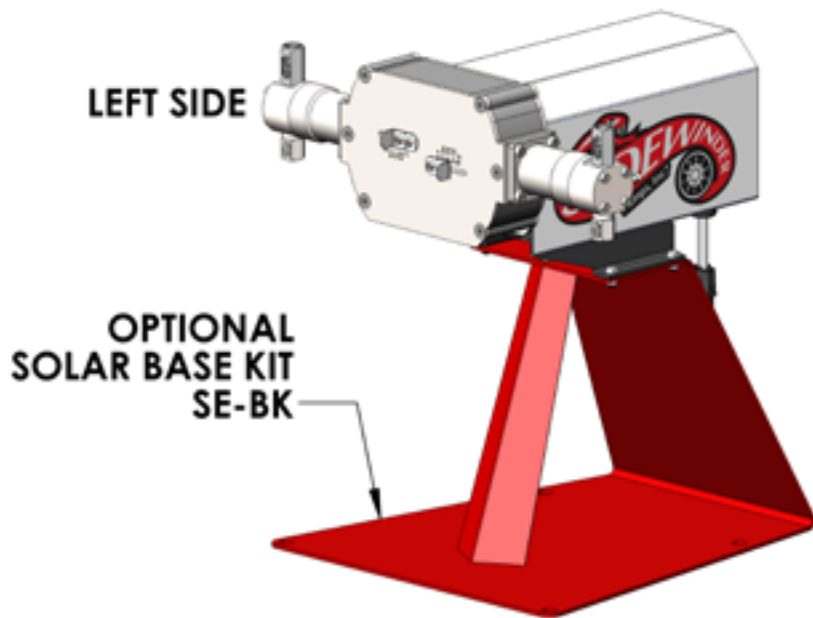
- i) **NOTE: If using a "Divider Block" in the discharge line, a pressure safety valve must be installed in the discharge line at the pump. Failure to do so will void the pump warranty and most importantly, will create a safety hazard! (See Note " f " above also)**

Step 4: Wiring the Panel & Pump – Your Sidewinder pump requires a timing device to cycle the pump on and off to effectively control pump output. Sidewinder offers control boxes that contain a timer, charge controller, and storage area for your system battery. Connections to the pump motor and solar panel(s) are accomplished via dedicated wiring harnesses and can only be connected one way. Use weatherproof snap fit harnesses available from Sidewinder.

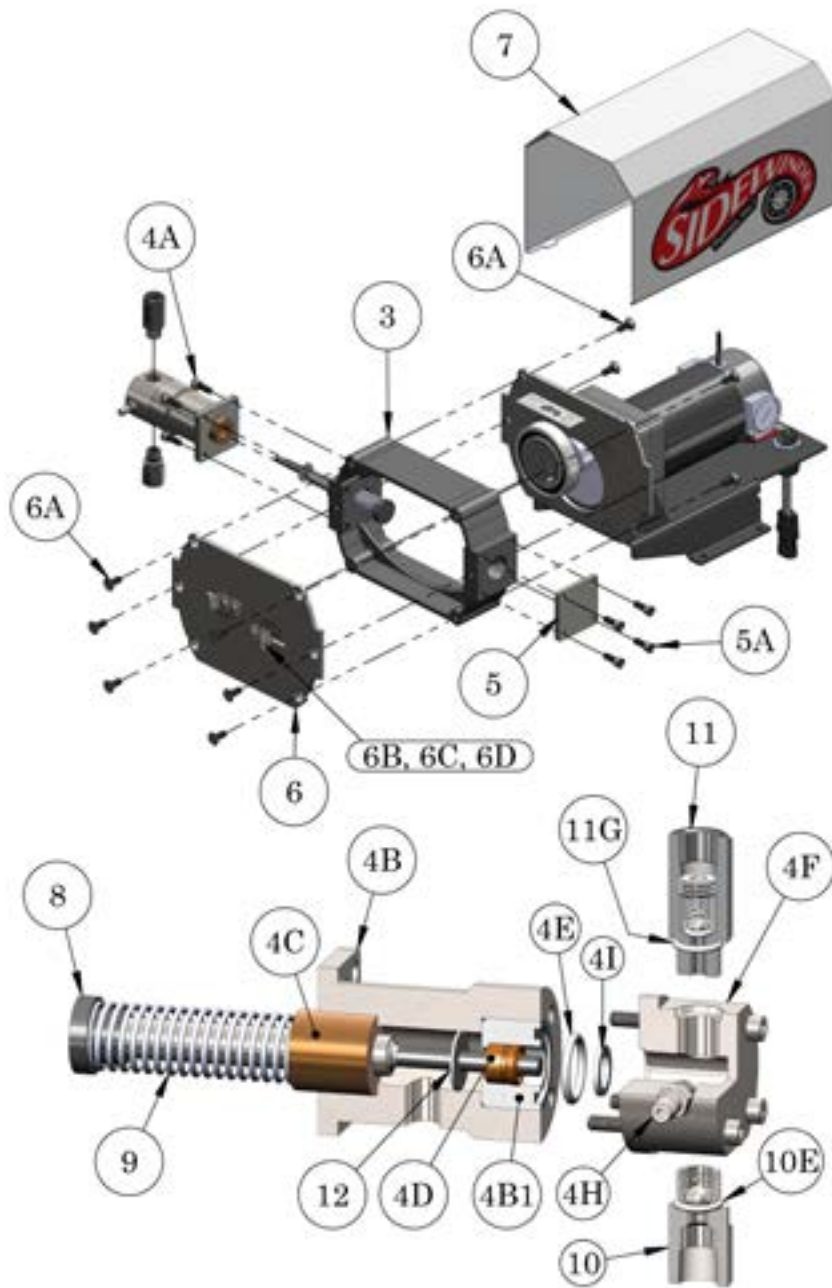
PARTS LIST: MAIN PUMP ASSEMBLY

Pump part number structure:

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------------------------|---------------------|--------------------------|-----------------|--------------------------|--------------|--------------------------|--------------|--------------------------|---------------------------|--------------------------|------------------|--------------------------|------------|---|--------------------------|--------------|--------------------------|--------------|--------------------------|---------------------------|--------------------------|------------------|--------------------------|---------|
| S | <input type="checkbox"/> | 1-SIMPLEX; 2-DUPLEX | <input type="checkbox"/> | PRESSURE RATING | <input type="checkbox"/> | PLUNGER SIZE | <input type="checkbox"/> | PLUNGER SEAL | <input type="checkbox"/> | CHECK VALVE THREAD O-RING | <input type="checkbox"/> | CHECK VALVE BALL | <input type="checkbox"/> | WET END | / | <input type="checkbox"/> | PLUNGER SIZE | <input type="checkbox"/> | PLUNGER SEAL | <input type="checkbox"/> | CHECK VALVE THREAD O-RING | <input type="checkbox"/> | CHECK VALVE BALL | <input type="checkbox"/> | WET END |
| LEFT SIDE | | | | | | | | | | | | | | RIGHT SIDE | | | | | | | | | | | |



| Item No. | Qty. | Part Description | Part Number | |
|----------|------|-----------------------------|-------------|------------|
| | | | LP VERSION | HP VERSION |
| 1 | 1 | Motor & Base Assembly | SE-MBA-2-A | SE-MBA-5-A |
| 1A | 1 | Motor Base | SE-B-1-A | |
| 1B | 1 | Motor | SE-MA-1-A | SE-MA-3-A |
| 1C | 1 | Gasket, Motor to Motor Base | SE-P-1 | n/a |
| 1D | 1 | Rear Coverplate | SE-P-1-H-1 | SE-P-1-H-2 |
| 1E | 4 | Screw, Motor Mount | C-001-10-1 | C-002-12-1 |
| 1F | 1 | Terminal Block | SE-TB-1-A | |
| 1G | 2 | Screw, Terminal Block Mount | C-003-10-3 | |
| 1H | 1 | Cord Grip | SE-CG-1-A | |
| 1I | 1 | Cord Grip Nut | C-008-8-A | |
| 1J | 1 | Wire Assembly, Motor | WA-C-300 | |
| 2 | 1 | Cam Assembly | SE-CA-8 | SE-CA-10 |
| 2A | 1 | Bearing | SE-C-1-C | |
| 2B | 1 | Cam | SE-C-8-A | SE-C-10-A |
| 2C | 1 | Set Screw | C-004-06 | |
| 2D | 1 | Cam/Bearing Lockscrew | C-015-06-2 | |



| Item No. | Qty | Part Description | Part Number | | |
|----------|--|--|-----------------|--------------|--------------|
| | | | 1/4" Plunger | 3/8" Plunger | 1/2" Plunger |
| 3 | 1 | Pump Housing | SE-2-1-M | | |
| 4 * | 1 | Pump Assembly | SE-PA-4062 | SE-PA-6062 | SE-PA-8062 |
| 4A | 4 | Screw, Mount Tube to Pump Housing | C-007-10-3 | | |
| 4B | 1 | Mounting Tube | SE-MT-1-B | | |
| 4B1 | 1 | Mounting Tube Insert | SE-MTI-4-A | SE-MTI-6-A | SE-MTI-8-A |
| 4C | 1 | Bushing | SE-MT-1-D | | |
| 4D | 1 | Plunger Seal, Teflon Carbon Filled Graphite Uniseal (STANDARD) See Sheet 6 for optional seals | 18-42 | 18-62G | 18-82 |
| 4E | 1 | O-Ring, Pump Mounting Tube | C-006-115-6 | C-006-118-6 | C-006-118-6 |
| 4F | 1 | Pump Chamber | SE-PC-2-B | | |
| 4G | 4 | Pump Chamber Mounting Screw | C-005-28-1 | | |
| 4H | 1 | Bleed Plug | SE-BP-1-A | | |
| 4I | 1 | Pump Chamber Shim | SE-SHIM-B | SE-SHIM-B | N/A |
| 5 ** | 1 | Simplex Coverplate | SE-SC-A | | |
| 5A | 4 | Screw, Simplex Coverplate | C-007-10-3 | | |
| 6 | 1 | Front Coverplate | SE-P-1-H-4 | | |
| 6A | 12 | Screw, Coverplates to Housing | C-002-10-3 | | |
| 6B | 2 | Stroke Limiter Control Tab | SE-SL-1-A | | |
| 6C | 2 | Stroke Limiter Stop | SE-SL-2-A | | |
| 6D | 4 | Screw, Stroke Limiter | C-021-08-3 | | |
| 7 | 1 | Motor Cover | SE-MC-A-W | | |
| 8 * | 1 | Plunger Assembly | SE-PLA-4-A | SE-PLA-6-A | SE-PLA-8-A |
| 9 * | 1 | Return Spring | SE-RS-1-A | | |
| 10 * | 1 | Suction Check Valve | SE-CV-4-S-2-2-6 | | |
| 10A | 1 | Suction Check Valve Body | SE-CV-4-S-2-A | | |
| 10B | 1 | Ball, Suction Check Valve | SE-CVB-5-2 | | |
| 10C | 1 | G-Clip | 22C-42-2 | | |
| 10D | 1 | O-Ring, Suction Check Seat | C-006-010-7 | | |
| 10E | 1 | O-Ring, Check Valve Thread | C-006-906-6 | | |
| 11 * | 1 | Discharge Check Valve | SE-CV-4-D-2-2-6 | | |
| 11A | 1 | Discharge Check Valve Body | SE-CV-4-D-2-A | | |
| 11B | 1 | Ball, Discharge Check Valve | 22B-42-2 | | |
| 11C | 1 | Valve Seat Sleeve | 28D-42-2 | | |
| 11D | 1 | Spring, Tapered | 29C-42-2 | | |
| 11E | 1 | Spring Retainer | 29E-42-2 | | |
| 11F | 1 | O-Ring, Discharge Check Seat | C-006-009-7 | | |
| 11G | 1 | O-Ring, Check Valve to pump chamber | C-006-906-6 | | |
| 12 | 1 | Plunger Wiper | SW-PLW-250 | SW-PLW-375 | SW-PLW-500 |
| * | Double quantities for duplex unit; Item 4 is shown in exploded view as Items 4A - 4I | | | | |
| ** | Simplex Unit Only | | | | |

Solar Pump Troubleshooting Guide

| Problem | Possible Cause | Action |
|--|---|--|
| Pump Not Running | * Battery Low or Dead | * Check all electrical connections * Test battery and replace if necessary * Insure that solar panel is clean and getting full sunlight * Verify system design is adequate to meet autonomy requirements |
| | * Timer turned off | * Turn timer on |
| | * Blown fuse | * Check fuse located in battery/control box. Check all connections. Verify that discharge line is not blocked or a valve closed. |
| | * Loose Connection in Wiring | * Verify 12VDC at motor terminal. Use "RUN" option on timer to send 12VDC to motor, and verify with voltmeter |
| | * Motor failure | * Replace motor (if above actions do not correct issue) |
| | Pump Runs, No fluid discharge | * Air in pump chamber |
| * Fluid flow blocked by plugged line, closed suction valve, extremely high viscosity or lack of fluid supply | | * Provide free flow of fluid to pump suction, fluid level in tank must be above level of bleed plug |
| * Suction or Discharge check valve leaking | | * Put pump setting gauge in test position to determine which valve is leaking. Fluid falling then rising in the gauge indicates suction check valve, fluid level remaining constant in gauge indicates discharge check |
| * Chemical filter clogged | | * Replace filter element or clean filter |
| * Return Spring broken | | * Remove front coverplate (#6). Observe pump running. If plunger (#8) not fully engaging or following the cam, stop the pump and check for broken spring or sticking plunger. Replace spring (#9) or lubricate plunger. |
| * Plunger Sticking | | |
| * Stroke Limiter set to zero or very short stroke | | * With Pump running, adjust stroke limiter (Loosen (2) #6D screws and adjust tab #6B, to allow a longer pump stroke. Always use a full stroke if possible. Reduce output by timer settings, then use stroke limiter for fine tuning pump output. |
| Premature Seal Failure | * Chemical Compatibility | * Check the plunger first. If plunger is scored or damaged, replace plunger and seal. * If seal still fails, change to different seal material. |
| | * Abrasive Material in Chemical | * Install suction filter |
| | * Bushing (#4C) worn | * Replace bushing part # SE-MT-1-B. |
| Chemical leakage | * Damaged or leaking suction line, discharge line or seal failure | * Prior to repair: |
| | | * Open the control/battery box and turn the timer to the "OFF" position. |
| | | * Close Isolation ball valve "B" between pump setting gauge and chemical tank (see Diagram 1 on page 2) |
| | | * Close isolation ball valve "A" between pump and pump setting gauge (see Diagram 1 on page 2) |

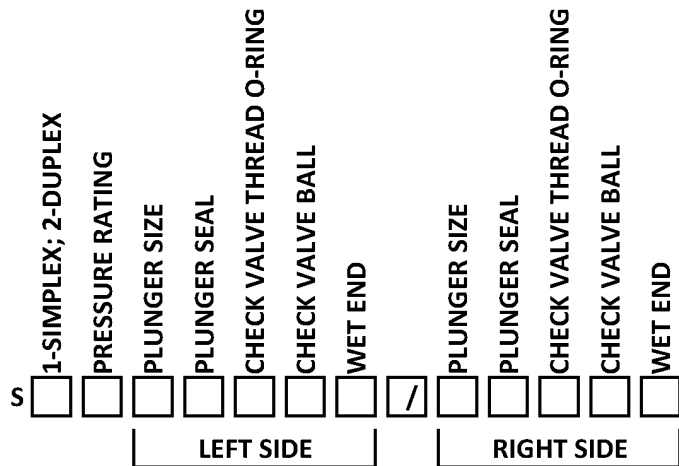
NOTE: Item numbers referenced in the troubleshooting guide are in the Pump Breakdown chart provided in this document.

Manufacturer Disclaimer

Manufacturer recommends the use of 316SS seamless tubing rated for the maximum discharge pressure of the specific pump model being used. DO NOT USE poly tubing, copper tubing, and/or seamed tubing as a discharge line. Use of incorrect material may result in discharge line failure leading to personal injury, death, and/or compromise to intended injection objectives. For Safety Purposes and Good Engineering Practice, the manufacturer recommends placement of a properly sized Pressure Relief Valve (PRV) / Pressure Safety Valve (PSV) on the pump discharge line at the pump, with the relief line plumbed back to the chemical tank.

PARTS LIST: MAIN PUMP ASSEMBLY

Pump part number structure:



| ITEM | CODE | DESCRIPTION |
|---------------------------------|------|---------------------------------------|
| PRESSURE RATING | 2 | LP VERSION (UP TO 2000 PSI MAX) |
| | 4 | HP VERSION (UP TO 5000 PSI MAX) |
| PLUNGER SIZE | 4 | 1/4" |
| | 6 | 3/8" |
| | 8 | 1/2" |
| PLUNGER SEAL OPTIONS | 0 | TEFLON GRAPHITE UNISEAL |
| | 1 | TECHNO UNISEAL (POLYIMIDE) |
| | 4 | TEFLON UNISEAL |
| | 4A | TEFLON UNISEAL W/ AFLAS O-RING INSERT |
| | 4B | TEFLON UNISEAL W/ BUNA O-RING INSERT |
| | 4V | TEFLON UNISEAL W/ VITON O-RING INSERT |
| | 8 | POLYBLEND UNISEAL |
| | 8V | POLYBLEND UNISEAL W / VITON INSERT |
| | 9 | CUSTOMER SPECIFIED |
| | V | VITON/CARBON TEFLON UNISEAL |
| CHECK VALVE / BODY SEAL OPTIONS | 2 | VITON O-RING |
| | 3 | BUNA O-RING |
| | 5 | CHEMRAZ O-RING |
| | 6 | HITEC O-RING (AFLAS) |
| | 7 | VIRGIN TEFLON O-RING |
| CHECK VALVE BALL OPTIONS | 2 | 316 STAINLESS STEEL |
| | 4 | CERAMIC |
| WET END | 2 | 316 STAINLESS STEEL |
| PLUNGER | 4 | CERAMIC |



TABLE 1.2: APPROXIMATE QUARTS PER DAY AT THE VARIOUS RUN TIMES AND CYCLES/MINUTE USING A SIMPLEX PUMP (MULTIPLY X 2 FOR DUPLEX OPERATION)

| RUN TIME (SEC) | "CYC" (NUMBER OF CYCLES / MINUTE) NOTE: SIDEWINDER RECOMMENDS THE MAXIMUM FLOW RATE & RUN TIME BE NO MORE THAN 40% OF MAXIMUM CAPACITY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
| 0.5 | 1.4 | 2.7 | 4.1 | 5.5 | 6.9 | 8.2 | 9.6 | 11.0 | 12.3 | 13.7 | 15.1 | 16.5 | 17.8 | 19.2 | 20.6 | 21.9 | 23.3 | 24.7 | 26.1 | 27.4 | 28.8 | 30.2 | 31.5 | 32.9 | 34.3 | 35.7 | 37.0 | 38.4 | 39.8 | 41.1 | |
| 1.0 | 2.7 | 5.5 | 8.2 | 11.0 | 13.7 | 16.5 | 19.2 | 21.9 | 24.7 | 27.4 | 30.2 | 32.9 | 35.7 | 38.4 | 41.1 | 43.9 | 46.6 | 49.4 | 52.1 | 54.9 | 57.6 | 60.3 | 63.1 | 65.8 | 68.6 | 71.3 | 74.1 | 76.8 | 79.5 | 82.3 | |
| 1.5 | 4.1 | 8.2 | 12.3 | 16.5 | 20.6 | 24.7 | 28.8 | 32.9 | 37.0 | 41.1 | 45.3 | 49.4 | 53.5 | 57.6 | 61.7 | 65.8 | 69.9 | 74.1 | 78.2 | 82.3 | 86.4 | 90.5 | 94.6 | 98.7 | 102.9 | 107.0 | 111.1 | 115.2 | 119.3 | 123.4 | |
| 2.0 | 5.5 | 11.0 | 16.5 | 21.9 | 27.4 | 32.9 | 38.4 | 43.9 | 49.4 | 54.9 | 60.3 | 65.8 | 71.3 | 76.8 | 82.3 | 87.8 | 93.3 | 98.7 | 104.2 | 109.7 | 115.2 | 120.7 | 126.2 | 131.7 | 137.1 | 142.6 | 148.1 | 153.6 | 159.1 | 164.6 | |
| 2.5 | 6.9 | 13.7 | 20.6 | 27.4 | 34.3 | 41.1 | 48.0 | 54.9 | 61.7 | 68.6 | 75.4 | 82.3 | 89.1 | 96.0 | 102.9 | 109.7 | 116.6 | 123.4 | 130.3 | 137.1 | 144.0 | 150.9 | 157.7 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | |
| 3.0 | 8.2 | 16.5 | 24.7 | 32.9 | 41.1 | 49.4 | 57.6 | 65.8 | 74.1 | 82.3 | 90.5 | 98.7 | 107.0 | 115.2 | 123.4 | 131.7 | 139.9 | 148.1 | 156.3 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3.5 | 9.6 | 19.2 | 28.8 | 38.4 | 48.0 | 57.6 | 67.2 | 76.8 | 86.4 | 96.0 | 105.6 | 115.2 | 124.8 | 134.4 | 144.0 | 153.6 | 163.2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4.0 | 11.0 | 21.9 | 32.9 | 43.9 | 54.9 | 65.8 | 76.8 | 87.8 | 98.7 | 109.7 | 120.7 | 131.7 | 142.6 | 153.6 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4.5 | 12.3 | 24.7 | 37.0 | 49.4 | 61.7 | 74.1 | 86.4 | 98.7 | 111.1 | 123.4 | 135.8 | 148.1 | 160.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5.0 | 13.7 | 27.4 | 41.1 | 54.9 | 68.6 | 82.3 | 96.0 | 109.7 | 123.4 | 137.1 | 150.9 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5.5 | 15.1 | 30.2 | 45.3 | 60.3 | 75.4 | 90.5 | 105.6 | 120.7 | 135.8 | 150.9 | 165.9 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6.0 | 16.5 | 32.9 | 49.4 | 65.8 | 82.3 | 98.7 | 115.2 | 131.7 | 148.1 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6.5 | 17.8 | 35.7 | 53.5 | 71.3 | 89.1 | 107.0 | 124.8 | 142.6 | 160.5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7.0 | 19.2 | 38.4 | 57.6 | 76.8 | 96.0 | 115.2 | 134.4 | 153.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7.5 | 20.6 | 41.1 | 61.7 | 82.3 | 102.9 | 123.4 | 144.0 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8.0 | 21.9 | 43.9 | 65.8 | 87.8 | 109.7 | 131.7 | 153.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8.5 | 23.3 | 46.6 | 69.9 | 93.3 | 116.6 | 139.9 | 163.2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9.0 | 24.7 | 49.4 | 74.1 | 98.7 | 123.4 | 148.1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9.5 | 26.1 | 52.1 | 78.2 | 104.2 | 130.3 | 156.3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10.0 | 27.4 | 54.9 | 82.3 | 109.7 | 137.1 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| RUN TIME (SEC) | CYC (NUMBER OF CYCLES / MINUTE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | |
| 0.5 | 42.5 | 43.9 | 45.3 | 46.6 | 48.0 | 49.4 | 50.7 | 52.1 | 53.5 | 54.9 | 56.2 | 57.6 | 59.0 | 60.3 | 61.7 | 63.1 | 64.5 | 65.8 | 67.2 | 68.6 | 69.9 | 71.3 | 72.7 | 74.1 | 75.4 | 76.8 | 78.2 | 79.5 | 80.9 | 82.3 | |
| 1.0 | 85.0 | 87.8 | 90.5 | 93.3 | 96.0 | 98.7 | 101.5 | 104.2 | 107.0 | 109.7 | 112.5 | 115.2 | 117.9 | 120.7 | 123.4 | 126.2 | 128.9 | 131.7 | 134.4 | 137.1 | 139.9 | 142.6 | 145.4 | 148.1 | 150.9 | 153.6 | 156.3 | 159.1 | 161.8 | 164.6 | |
| 1.5 | 127.5 | 131.7 | 135.8 | 139.9 | 144.0 | 148.1 | 152.2 | 156.3 | 160.5 | 164.6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2.0 | CONTINUED FROM ABOVE "CYC" VALUES 31 AND GREATER ARE NOT AVAILABLE WITH RUN TIMES 2.0 SECONDS AND GREATER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MAXIMUM PRESSURE - LP = 850 PSI, HP = 2500PSI



There ain't no better pump

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

Sidewinder Pumps, Inc.
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P.O. Box 80769, Lafayette, LA 70598-0769

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