SASE 7.5 Joint Fill Pump Manual

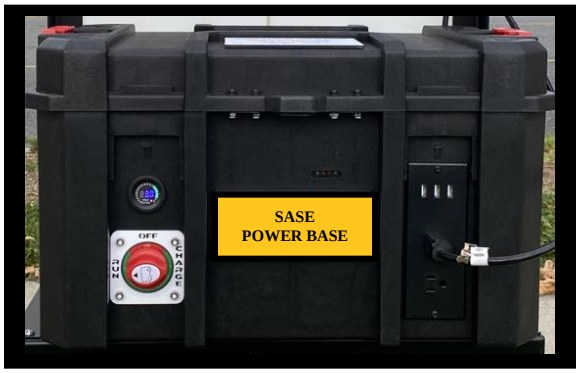
Features

- One- or two-man operation
- Easy to maneuver and use, compact, lightweight
- Custom 7.5-gal tanks, 1 gal mark at tank angle
- Lowest mounted tanks for easy filling
- Custom frame, tight tolerances, threaded mounts
- Low-cost gear pumps with only 2 bolt mounts
- Lightweight handle, full control with one hand
- Flip handle for use by one or two people
- Coarse thread manifold – same size as cartridge nuts
- Platform for generator or “SASE Power Base”

Specifications

- 22” W x 23 ”L x 38” H. Dry weight 170 lbs.
- 7.5 gallon – semi-transparent
- Bottom angle of tanks is one-gallon mark
- Heavy duty chain drive for more torque
- Runs off 110, generator or SASE Power Base
- 1:1 ratio, variable speed drive
- Gravity feed, able to pump heavy viscosities

SASE POWER BASE



Features and Specifications

- Rechargeable LiFePO4 deep cell battery
- Charger, inverter and battery meter
- 21” W x 14” D x 12” H. Weight: 40 lbs.
- Portable, remove to charge overnight
- Over one day run time on one charge
- Power small tools, recharge phones and batteries
- Meters for power level and battery life

SASE (800) 522-2606

Directions:

1. This pump is designed to pump polyurea joint fillers.
2. Condition material to 70°F or above. Pre-mix the polyol side per manufacturer's instructions.
3. Remove lid to tank that is to be filled and leave the other lid on the other tank. Fill the tank with the correct side of joint filler (iso in iso tank, polyol in polyol tank). Never cross contaminate the iso and polyol sides or products will harden within the manifold, pumps and supply lines.
4. Plug the machine into an outlet, or the SASE POWER BASE, or a generator. Turn the drive speed to the lowest setting, turn on the master green ON button, toggle on the power and slowly increase the speed. Dispense oil or product until clean A and B are noticeable, then connect nozzle and run the machine to check the ratio. Then begin work. Note: Never run pumps dry for more than a few seconds or you may damage them.
5. There is one gallon left in the 7.5 gallon tanks where they angle inwards. This is the best time to add another 5-gallon bucket of material.
6. When done, turn the power off at the handle, and then turn off the master red OFF switch.
7. Secure the lids tightly, remove nozzle, grease both sides of the manifold until grease comes out of the ports, then wipe some grease to manifold threads and secure the night cap with the coarse thread manifold nut. Note: The coarse thread nut is the same size as all cartridge nuts in case it becomes lost.
8. Long term storage requires cleaning of the pump and lines with xylene (or a pump flush designed for polyurea pumps) then flush and store with any inexpensive oil or hydraulic fluid. Always leave some visible oil in the bottom of the tanks and within the lines and pumps. Do this same procedure when changing chemicals or colors.
9. Periodically lube the chain and test for tightness.
10. Gear pump removal: Empty tanks until fluid is only visible at the bottom of the tank. Remove plumbing connections being careful to keep fluids from dripping below. Loosen idler sprocket, remove chain from gear pump sprocket, remove 2 mount bolts and remove the pumps.

Specifications:

Power: DC parallel gearmotor ½ HP DC Motor with 200+ IN LB of torque

Transmission: Heavy duty chain drive for added torque

Frame & Dimensions: Powder coated custom fabricated steel frame, with tight tolerances and threaded mounts for components. 22”W x 23”L x 38”H

Weight (dry): 170 lbs.

Tanks: Custom 7.5 gallon square semi-transparent plastic tanks to maximize space and see fluid levels. Inward angle near the bottom of the tank is the one-gallon level mark. 34” top height of tanks for easy filling. Flat screens at angle of tank will not get stuck in bottom opening of the iso side.

Ratio: 1:1

Pumps: Highly efficient affordable aluminum gear pumps, 2 bolt mount with Viton seals available from SASE. Each pump rated at .58 gpm. GPM will vary depending on temperature, viscosity and type of material.

Mobility: Non marring casters, lightweight and compact frame design for super easy maneuvering, straight handle across frame with 2 upright grips. This handle flips over for use with 2 people.

Operator Handle: Extra lightweight with forearm brace and hook to hang on frame. One handed on/off switch and speed control. Coarse thread manifold threading so any standard cartridge nut will fit if needed. Night cap has nodules to fit inside the manifold orifices. Heavy duty grease fittings and back flow valves on the manifold for cleaning, airtight sealing, and ratio checks.

Hoses: Nylon wrapped/braided stainless steel hoses, coupled with control wiring, encased with a heavy-duty protective cord management wrap.

Warranty: SASE solely and expressly warrants that its polyurea pump shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of SASE, no other representations or statements made by SASE or it representatives, in writing or orally, shall alter this warranty. SASE makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its pumps and excludes the same. If the pump fails to conform with this warranty, SASE will replace or repair the product at no cost to Buyer. Replacement and/or repair of the pump shall be the sole and exclusive remedy available, and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within six (6) months from the date of the claim breach. SASE does not authorize anyone on its behalf to make any written or oral statements which in any way alter SASE’s operation information or instructions on its pump literature or on its packaging labels. Any operation or modification of SASE’s pump which fails to conform with such product information or instructions shall void this warranty. Product demonstrations if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of SASE’s pumps for the Buyer’s intended purposes.

Reversible Handle PN#SPHANDLE

Lids PN#SPTANKSQL

7.5 Gallon Tanks PN#SPTANKSQ75

Thumb control ON/OFF Switch PN#SPONOFFT

Speed control (one hand operation) PN#SPKNOBDIAL-1

One gallon level at inward angle of tank

Drive Cover (Chain and Sprockets)

Protective Sleeve (supply lines inside) PN#SPHOSEWRAP-1

Swivel Casters PN#SPCAST3S

Rigid Casters PN#SPCAST8

Grips/Handles PN#SPGRIP-1

Storage Compartment PN#SPSTOBX

ON/OFF Master Switch PN#SPONOFFM

Tank Mounts (8)

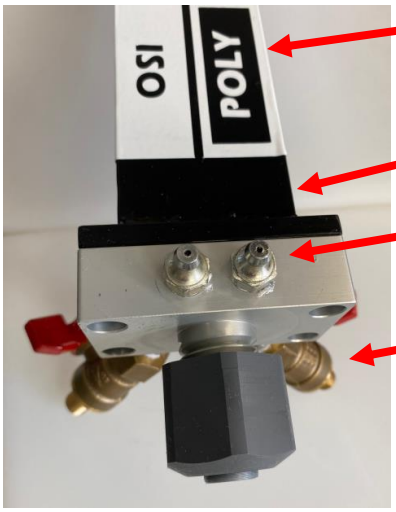
One-gallon level at inward angle of tanks

Rear Cover/Shelf for Power Box/Generator

Storage Compartment PN#SPSTOBX

Optional Power Base
PN#POWERBASE

Cover/platform for Generator or Power Box PN#SPPLCOVER



Marked sides of Iso and Polyol hose lines inside tube

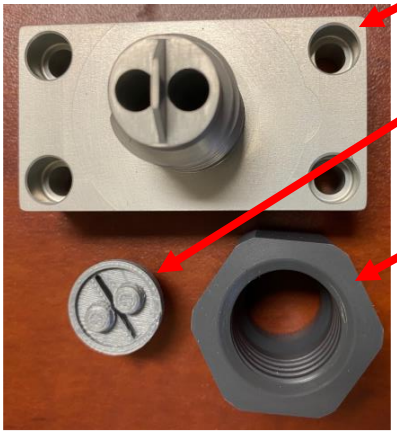
Nipples (inside tube) PN#SPMANNIP-1

Heavy duty grease fittings
PN#SPZIRCS-1

Ball valves PN#SPBALL18-1
(underside of manifold)

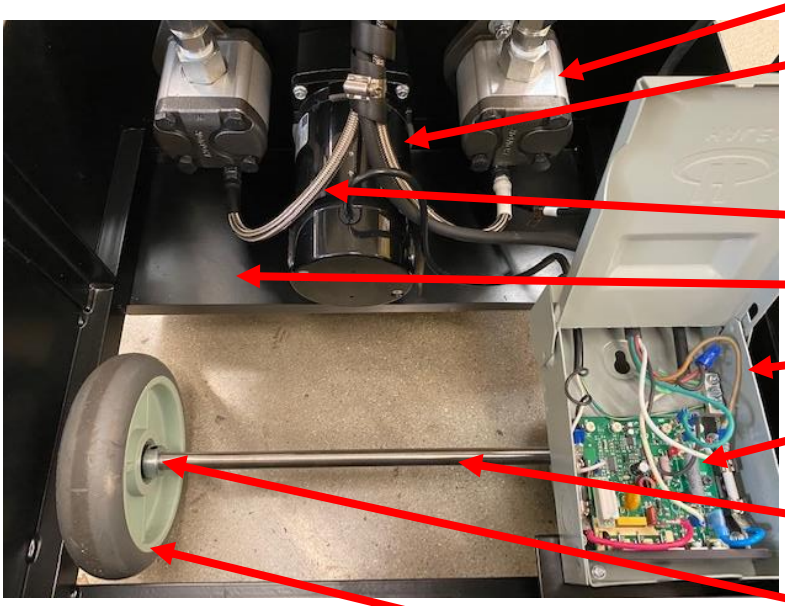
Manifold PN#SPMANMXR-1

Night cap with nodules PN#SPNTCAP-1



Coarse thread manifold nut (same as any cartridge retaining nut)
PN#SPMANNUTC

Complete Manifold Assembly for VeloPump 7.5 includes: manifold, night cap, nut, ball valves, grease fittings
PN#SPMANASSYMM



Gear Pumps PN#SPPUMPV-1

Motor PN#SPMOTOR-1

Supply Lines PN#SPHOSE11FT-1

Drip Pan (part of frame)

Electrical Box PN#SPBOXSCR-1

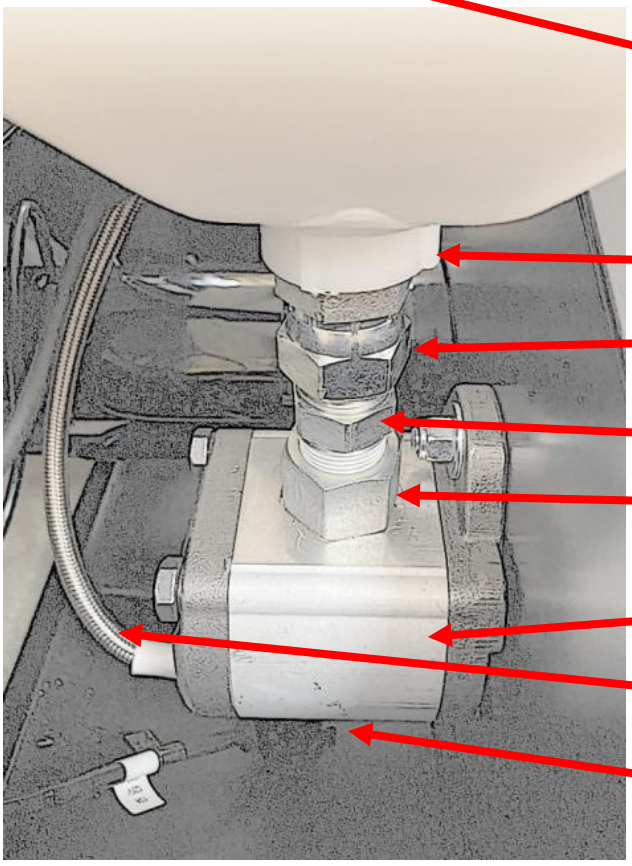
SCR Drive (In Box) PN#SPSCRDRIVE-1

Axle PN#SPAXLE

Axle Collar PN#SPAXLECOL

Flange Bearing (other side) PN#SPFLBEAR

Rigid Casters PN#SPCAST8



Tank with threaded connection PN#SPTANKSQ75

Swivel Adapter PN#SPSWIVEL

Hex Nipple PN#SPNIP34HX

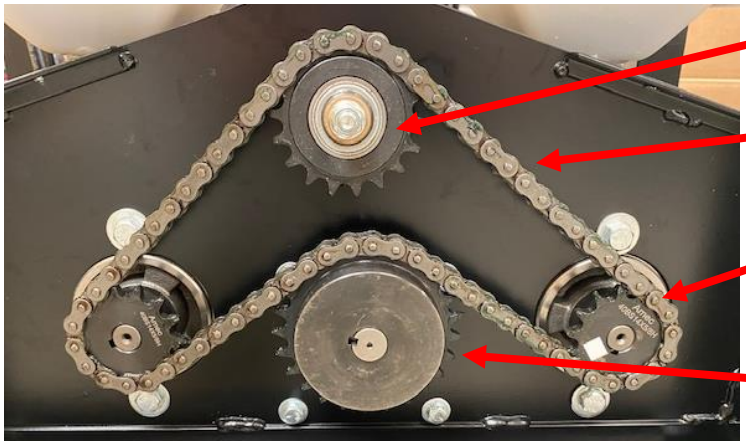
Top Pump Nipple PN#SPTOPNIP341

Gear Pump PN#SPPUMPV-1

Supply Line PN#SPHOSE11FT-1

Bottom Nipple (under gear pump) PN#SPBOTNIP1

Under gear pump

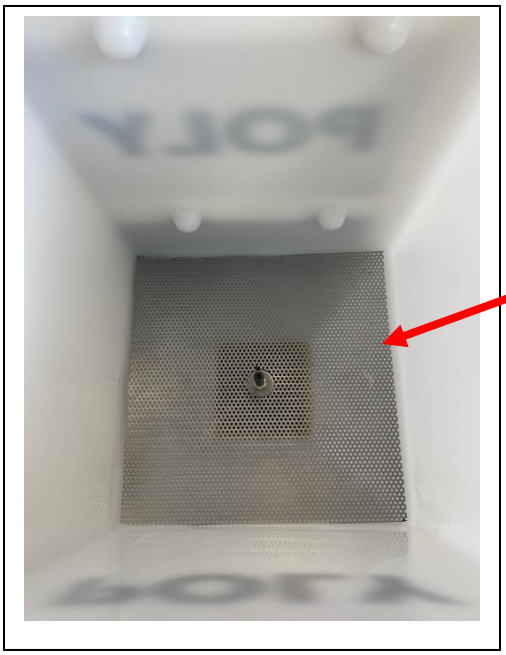


Idler Sprocket PN#SPIDLER-1

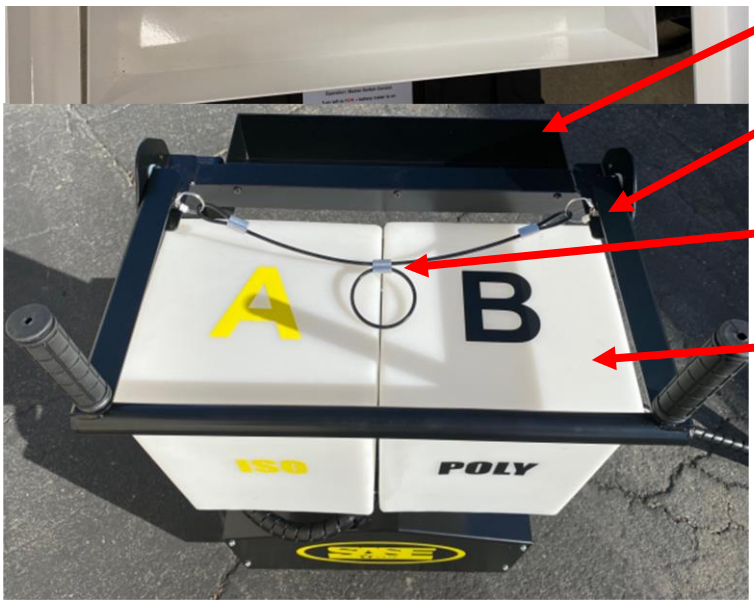
Chain PN#SPCHAIN-1
(Chain Link PN#SPCL-1)

Pump Sprocket
PN#SPSPRKT401434

Motor Sprocket
PN#SPSPRKT402534



Tank Screen resting on one-gallon mark of tank N#SPTANKSCR



Storage Compartment
PN#SPSTOBX

Shoulder Bolt PN#SPBOLTSH

Spring Plunger/Rope
PN#SPSPROPE

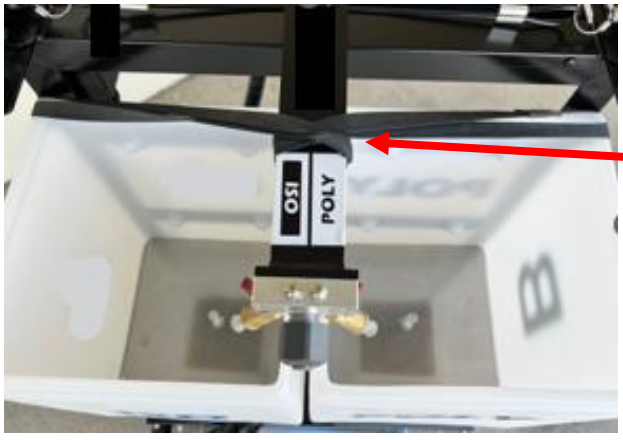
Lids PN#SPTANKSQL

Arm Strap PN#SPSTRAP
Movable for any comfortable position
Also holds hoses to frame

Rubber Band PN#SPBAND
Holds lids down tight

Attaches to waste bucket hooks

Holds lids to tanks when in use



Holds wand down when cleaning

SCR Drive Locations and Adjustments

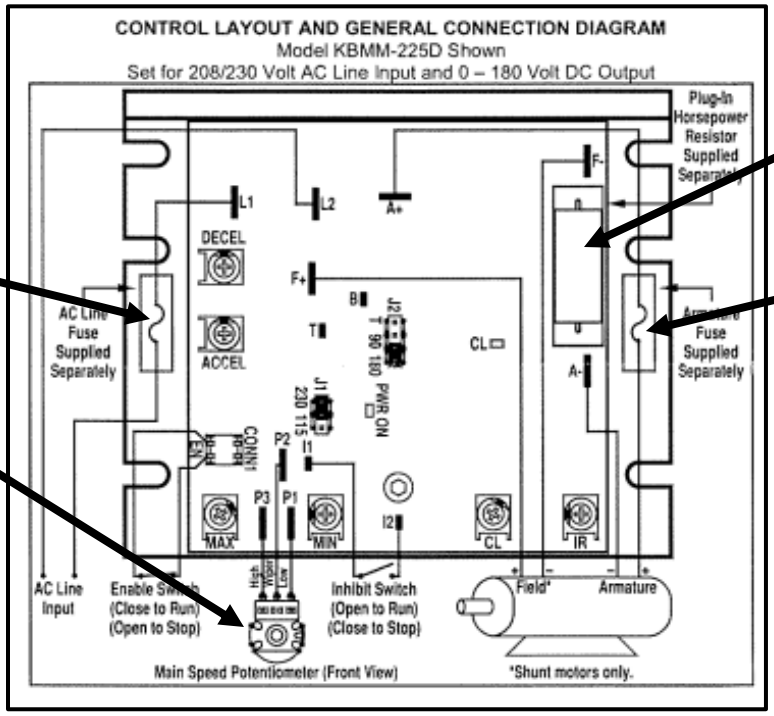
PN#SPSCRDRIVE-1

12 Amp Fuse
PN#SPFUSE12-1

Pot Kit/Speed Control
PN#SPPOT-1

Resistor
PN#SPRES-1

8 Amp Fuse
PN#SPFUSE8-1



7 – ADJUSTABLE TRIMPOTS

The control contains trimpots which have been factory set for most applications. Some applications may require readjustment of the trimpots in order to tailor the control for a specific requirement.

Read Safety Warning.

Note: *In order for the IR Compensation and Current Limit settings to be correct, the proper Plug-In Horsepower Resistor® must be installed for the particular motor and input voltage being used.*

ACCELERATION (ACCEL): Allows for a smooth start over an adjustable time period each time the AC power is applied or the Main Speed Potentiometer is adjusted to a higher speed. The ACCEL Trimpot sets the time it will take for the motor to accelerate from zero speed to full speed.
Units: Seconds

DECELERATION (DECEL): Sets the ramp-down time when the Main Speed Potentiometer is adjusted to a lower speed.
Units: Seconds

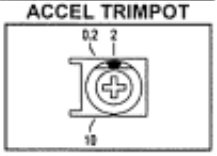
MINIMUM SPEED (MIN): Sets the minimum speed of the motor when the Main Speed Potentiometer is set fully counterclockwise. **Units:** % Base Speed

MAXIMUM SPEED (MAX): Sets the maximum speed of the motor when the Main Speed Potentiometer is set fully clockwise. **Units:** % Base Speed

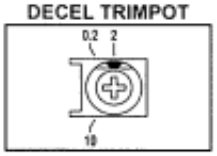
CURRENT LIMIT (CL): Sets the current limit (overload), which limits the maximum current (torque) to the motor. The CL also limits the AC line inrush current to a safe level during startup. **Do not exceed 2 times motor current rating (maximum clockwise position). Units:** % Full Load

IR COMPENSATION (IR): Sets the compensating voltage required to keep the motor speed constant under changing loads. If the load does not vary substantially, the IR Trimpot may be set to a minimum level (approximately 1/4 of full clockwise rotation). **Units:** Volts DC

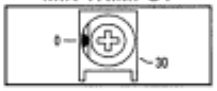
ACCEL TRIMPOT



DECEL TRIMPOT

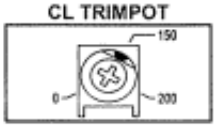


MIN TRIMPOT



MAX TRIMPOT

CL TRIMPOT



IR TRIMPOT