

CRETE FILL PRO

POLYUREA PUMP™

TANKLESS



Pump Features

- Tankless and cordless
- Quick change hoses and pumps
- Lightweight, braced-handle with On/Off switch and speed control
- Storage drawer
- Master switch (*Battery - Off/Alt Pwr - Charge*)
- Non-marring casters
- Boom for hoses
- Heavy duty cord wrap
- Shelf for generator if the battery is low or uncharged
- Cover for battery and electrical connections
- AGM battery - spill proof, maintenance free, safe to ship
- Camlock cap at hose-to-pump connections for a sealed system



Tankless Pump Specs

Part Number	CCPUMP20
Power	½ HP DC motor with 200+ IN LB of torque; Deep cycle AGM battery with option for power from wall outlets or generators
Transmission	Extra large chain drive for additional torque
Frame	Powder coated steel tube
Dimensions	26"W x 35"L x 45"H
Weight (Dry)	260 lbs
Ratio	1:1 ratio
Pumps	Hydraulic external gear pumps from Grainger
Casters	Non-marring 6" casters; swivel casters have brakes
Handle	Lightweight, ergonomic, rigid supply lines, On/Off switch located above handle for thumb operation, speed control, arm brace. Manifold for mixing tips has grease fittings to seal the system; extra ports for adding back flow valves
Hoses	Braided stainless steel lines, nylon coated with pliable protective wrap



Directions for Use

1. Condition material to a thin viscosity, at least 70°F (21°C) or above. More viscous materials may require adjustments to the inlet hoses, bucket height, etc.
2. Place A and B buckets on the proper sides of the machine being careful not to cross link chemicals or they will cure within the pump and lines.
3. Disconnect cam caps above each pump and insert the hoses securing with both clamps. Place other end of hoses into each bucket of material being careful to always use the same hoses for each side.
4. Set master switch to RUN, click on the handle power, adjust speed control and dispense until clean A and B are noticeable, then connect the nozzle and begin working.
5. When done, turn off power on then handle, then turn master switch to OFF.
6. Remove quick connect camlocks attached to hoses from the pipes above the pumps and immediately plug the openings with greased camlock caps and lock the cam clamps.
7. Remove mixing nozzle, grease both sides of the manifold and add grease to manifold threads, then secure night cap with manifold nut.
8. Leave hoses within their partially filled buckets and secure lid tightly. Or clean hoses and connections and store separately in marked containers for each side.
9. The pump can be stored like this until the next day or over the weekend. Long term storage requires cleaning of the pump and lines with xylene (or similar solvent) then flushed and stored with oil. If changing chemicals or colors, clean in this same manner.
10. Use flush tanks or separate containers when cleaning and flushing.
11. Hose connections should be cleaned and reused. Once worn, replace the hose sets with the same reinforced suction hoses. A good cleaning method is to suck small amount of xylene through the hoses from small containers.
12. To run off a wall circuit or generator, turn the main switch to OFF/Alt.Pwr., remove the power cord from the inverter and plug it into a generator or other direct power source.
13. To charge, turn the main switch to CHARGE and plug cord into a direct power source and into the charge receptacle on the side of the machine until battery is fully charged - about 4 - 6 hours.
14. Periodically lube the chain and test for tightness.
15. Pump removal: remove plumbing connections (being careful to contain fluids) and the 2 mounting bolts (easy side access through the frame opening).



Video | Pump Overview



Scan the code
to watch the video
or [click here](#).



Technical Support

For technical information and assistance call Curecrete at (800) 998.5664.



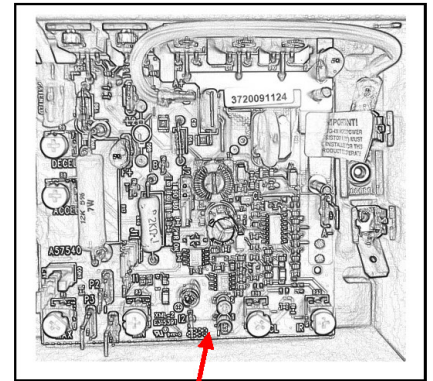
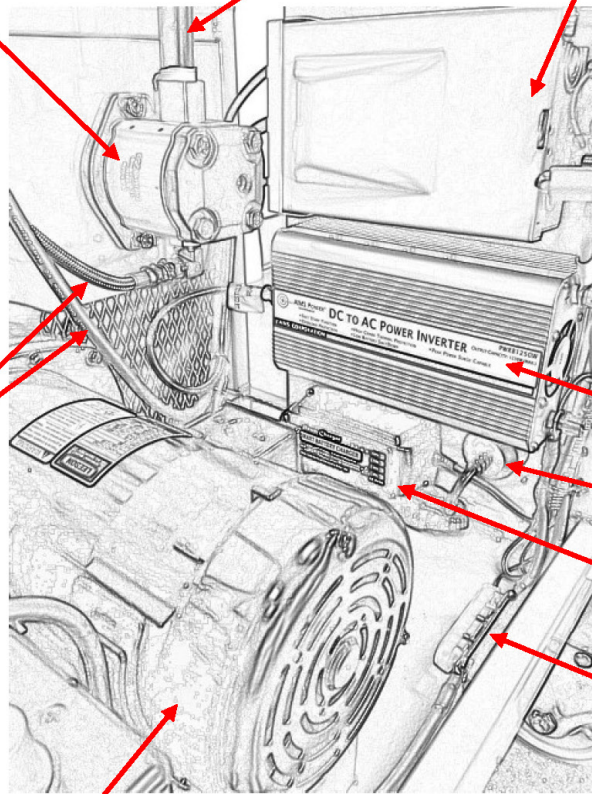
Warranty Information

Curecrete solely and expressly warrants that the 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 Curecrete, no other representations or statements made by Curecrete or its representatives, in writing or orally, shall alter this warranty. Curecrete 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, Curecrete will replace or repair the product at no cost to the buyer. Replacement and/or repair of the pump shall be the sole and exclusive remedy available and the 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. Curecrete does not authorize anyone on its behalf to make any written or oral statements which in any way alter Curecrete's operation information or instructions on its pump literature or on its product labels. Any operation or modification of Curecrete'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 Curecrete's pumps for the buyer's intended purposes.

Gear Pump

Suction Pipe

Box for SCR Drive



SCR Drive (inside box)
See last page for details

Inverter

Battery Charging
Outlet

Battery Charger

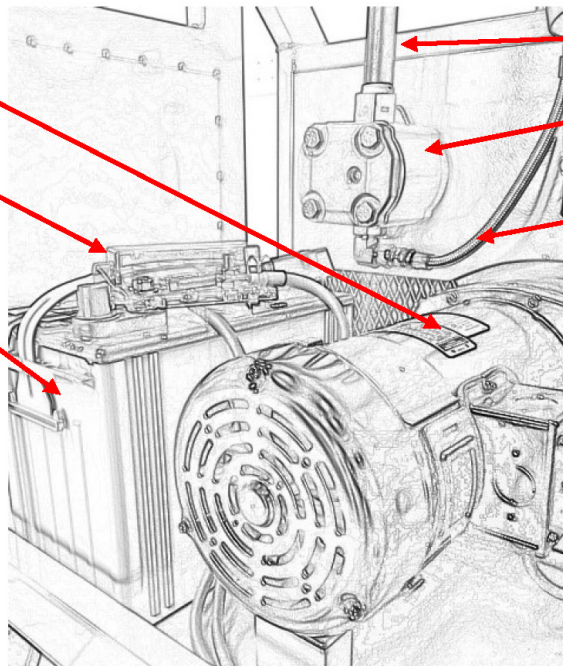
Bus Bar

Supply Lines
A & B

1/2 HP DC Motor

100 Amp Fuse
and Cover

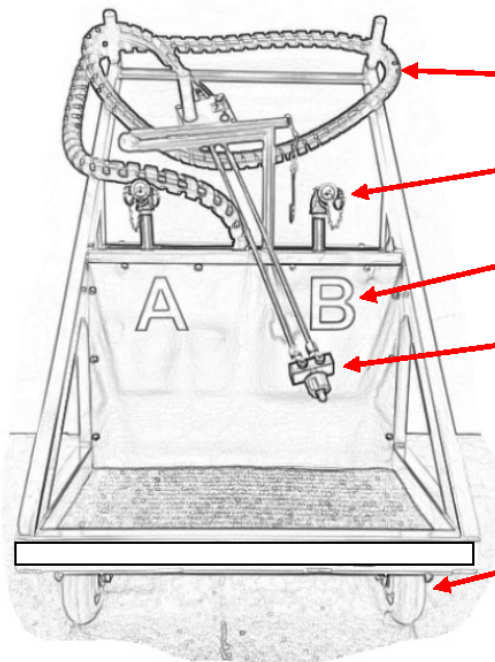
12V AGM
Battery



Suction Pipe

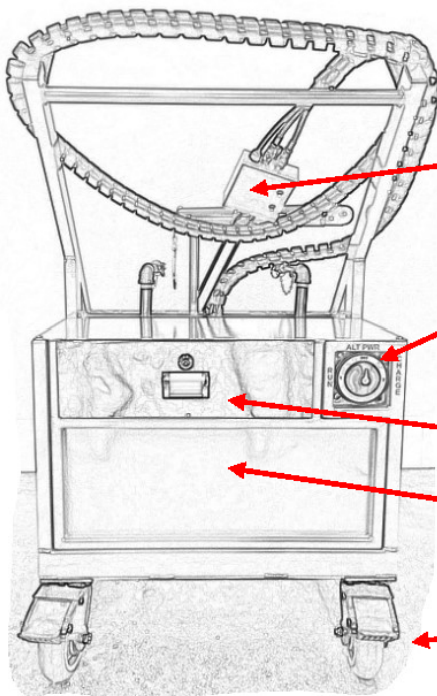
Gear Pump

Supply Line



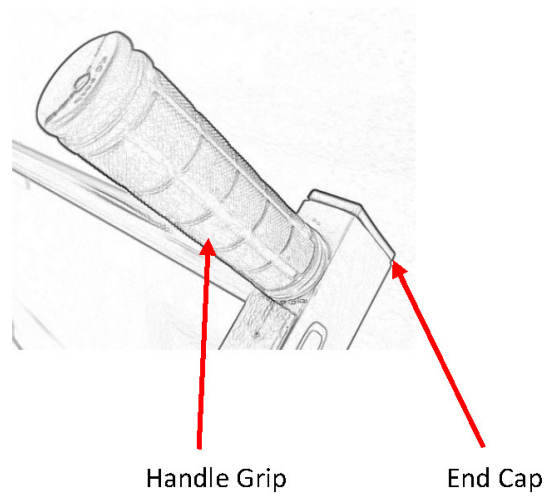
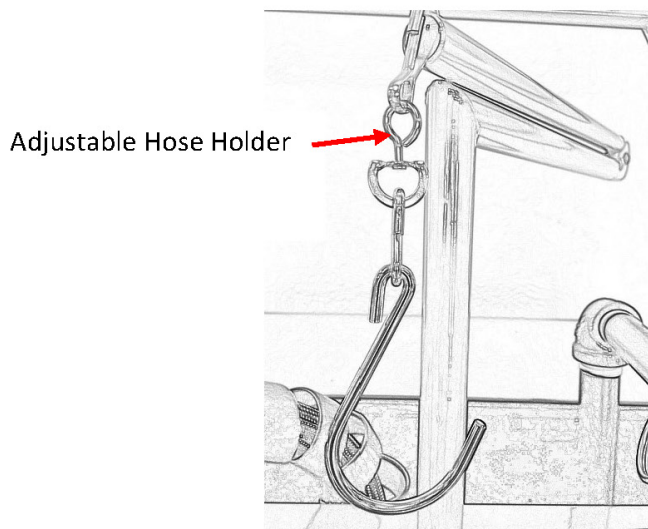
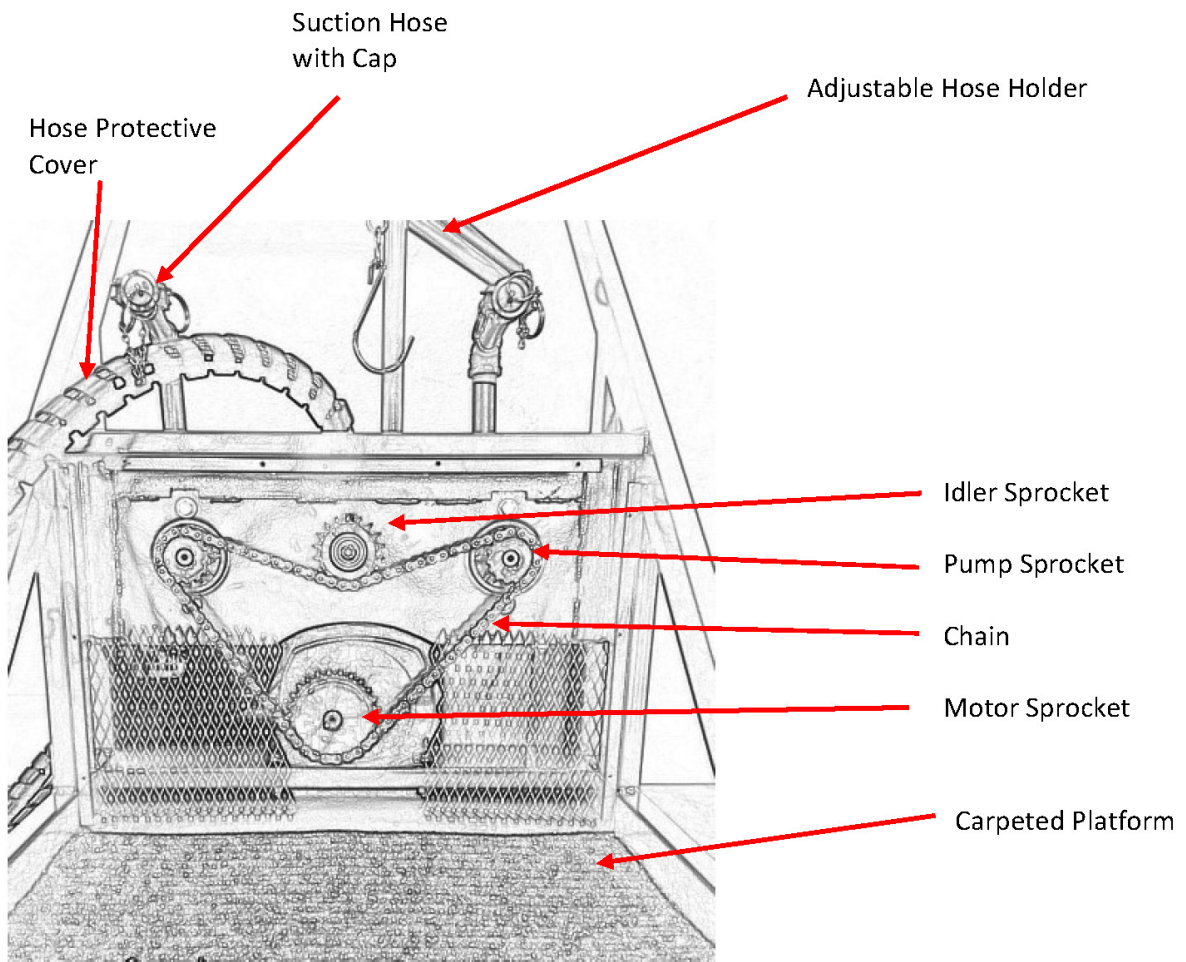
Front View

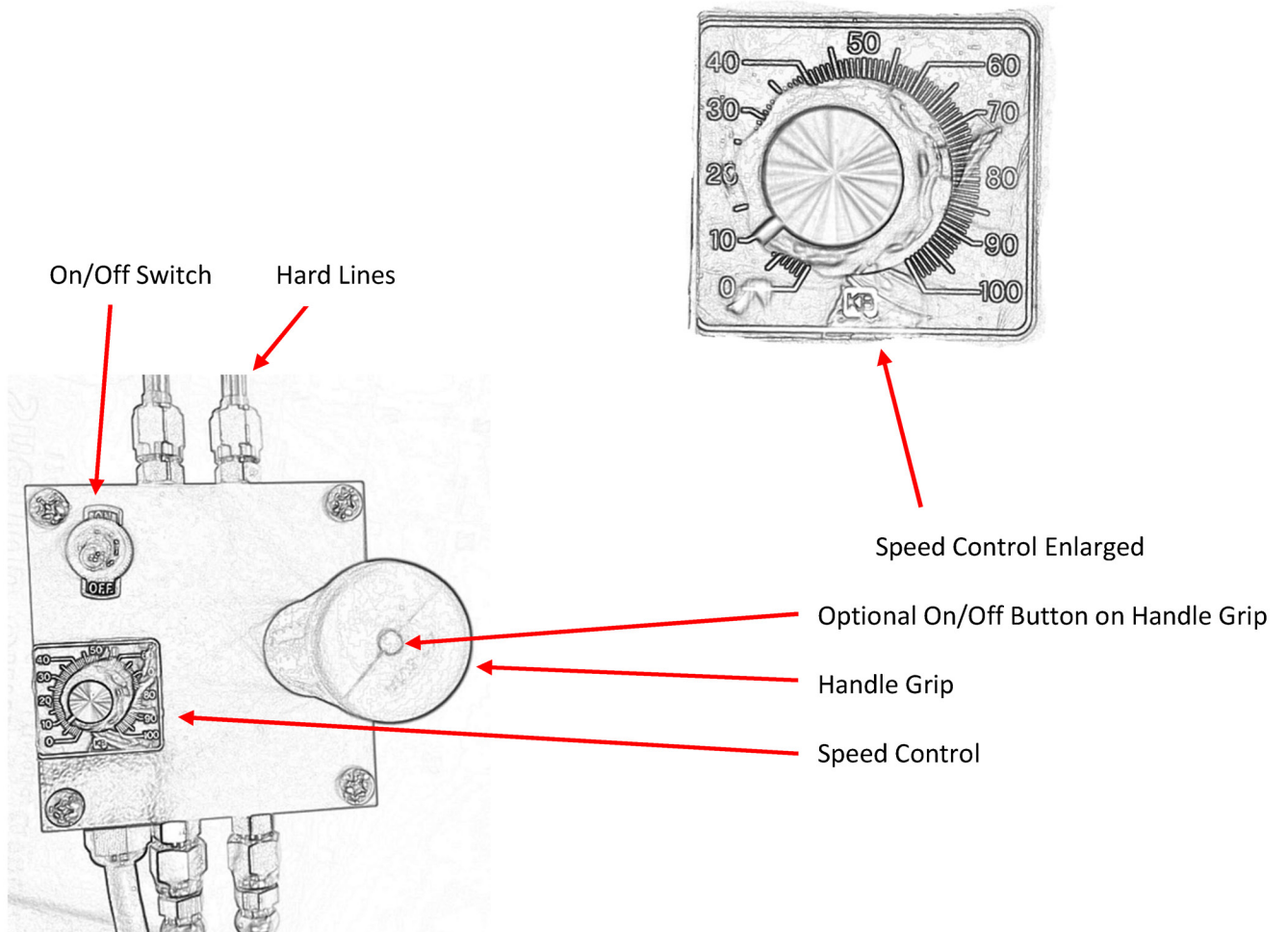
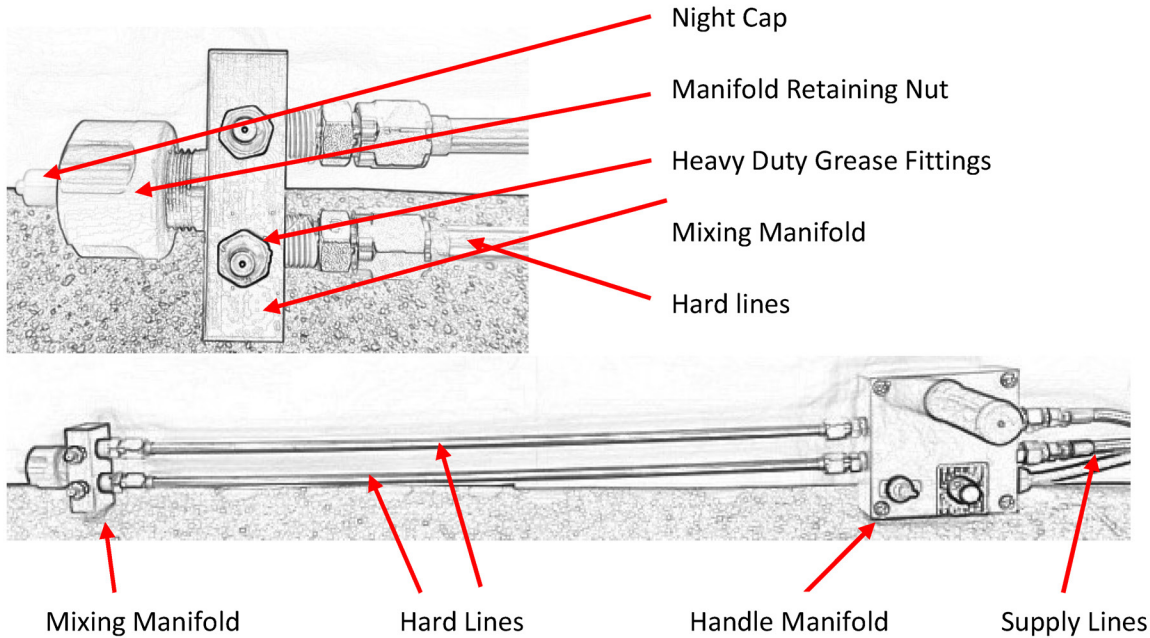
- Cord Wrap – Supply Lines Inside
- Camlock Couplers on Suction Pipes
- Front Panel w/A and B Labels
- Dispense Manifold with Night Cap & Manifold Retaining Nut
- Rigid Casters

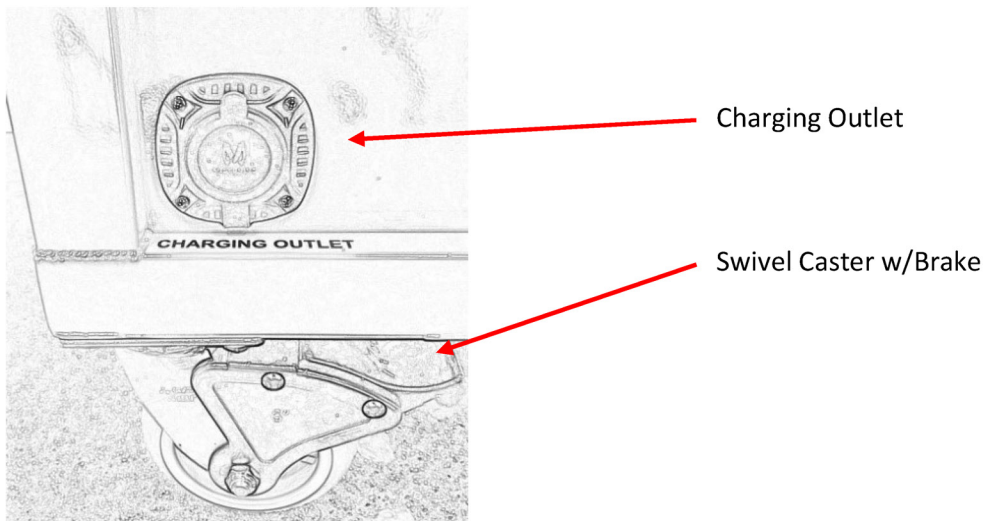
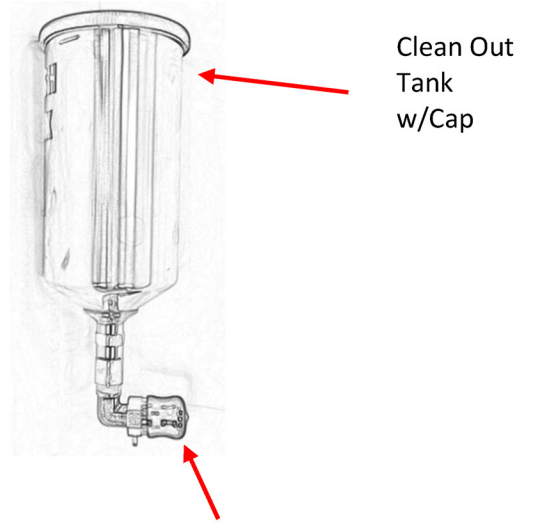
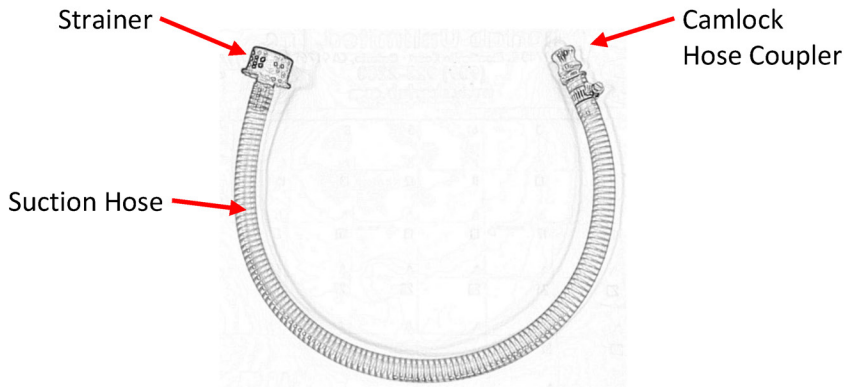


Rear View

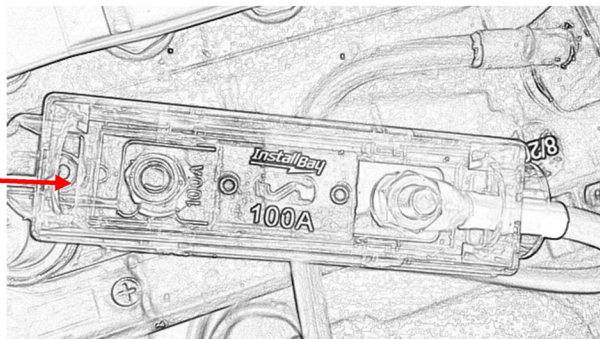
- Handle Manifold
- Master Switch On/Off/Charge
- Storage Drawer
- Rear Protective Cover Assembly
- Swivel Casters w/Locking Brakes

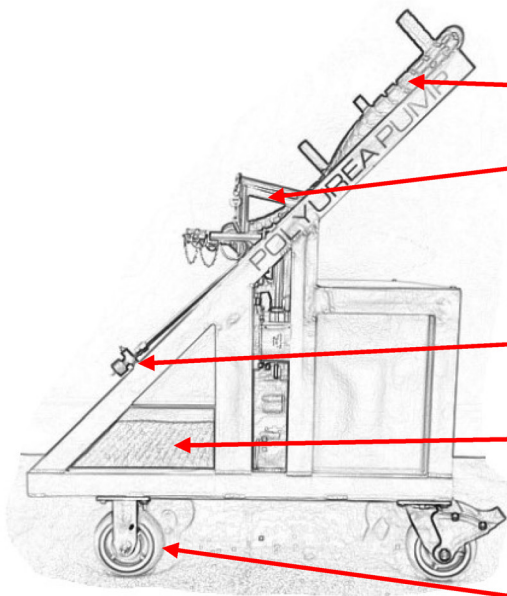






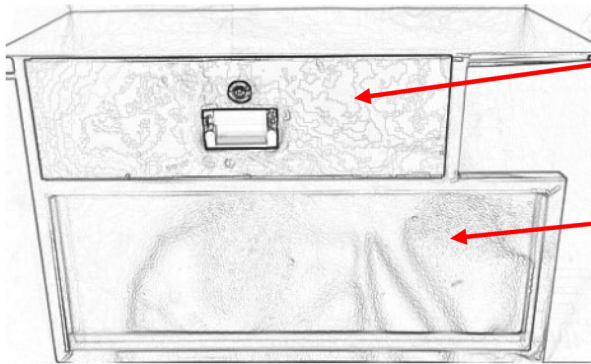
100 Amp Battery Fuse
and Cover



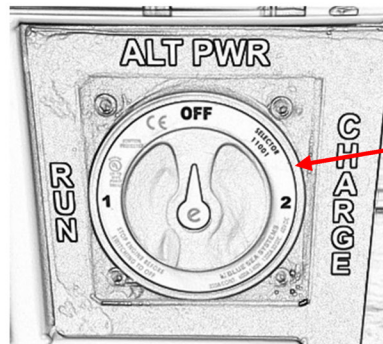


Side View

- Cord Wrap – Supply Lines Inside
- Adjustable Hose Holder
- Mixing Manifold with Night Cap and Retaining Nut
- Carpeted Bucket Platform
- Swivel Casters w/Locking Brakes
- Rigid Casters

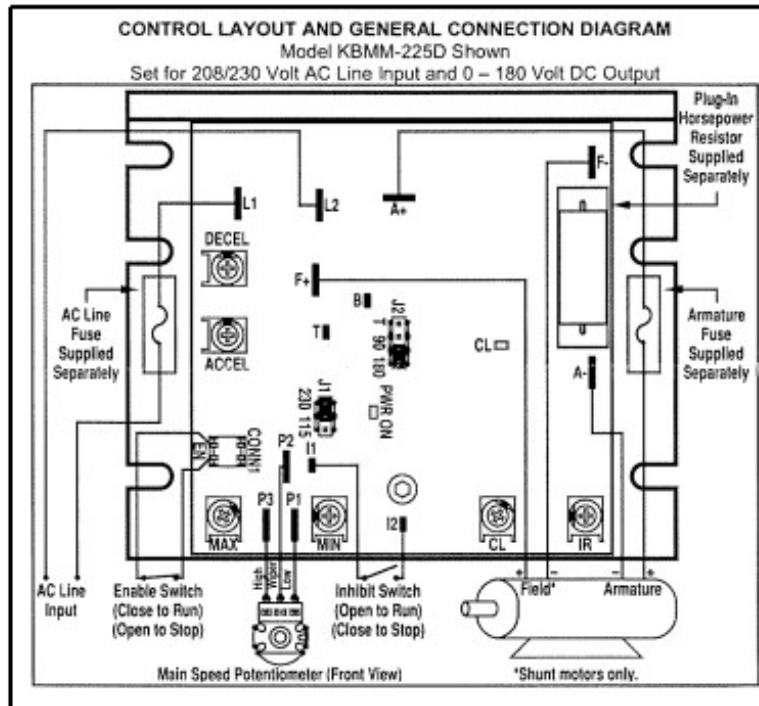


- Storage Drawer
- Rear Protective Cover Assembly




- Master Switch On/Off/Charge
Note: "Off" is also the Alternate Power Source Setting

SCR Drive Locations and Adjustments



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

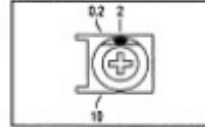
MINIMUM SPEED (MIN): Sets the minimum speed of the motor when the Main Speed Potentiometer is set fully counterclockwise. **Units:** % Base Speed

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

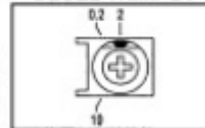
CURRENT LIMIT (CL): Sets the current limit (overload), which limits the maximum current (torque) to the motor. The CL also limits the AC line inrush current to a safe level during startup. **Do not exceed 2 times motor current rating (maximum clockwise position).** **Units:** % Full Load

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



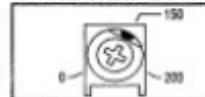
MIN TRIMPOT



MAX TRIMPOT



CL TRIMPOT



IR TRIMPOT

