

# CRETE FILL PRO™

## JOINT FILLER PUMP 7.5



### Pump Features

- 7.5 gal tanks mounted low for easy filling
- Compact, lightweight, easy to maneuver
- Easy to use, plug into house power and begin work
- Shelf for generator or battery system
- Flip handle for 1 or 2 person operation
- Low-cost, heavy-duty pumps with only 2 bolts
- Ultra-lightweight handle
- Coarse thread nut on manifold
- Open bin for nozzles and parts
- Heavy duty cord management wrap



### Pump Specs

<b>Part Number</b>	PUMP75
<b>Power</b>	½ HP DC motor with 200+ IN LB of torque, direct power source, shelf for generator or power box; box is magnetized to frame for better security
<b>Transmission</b>	Heavy duty chain drive for added torque
<b>Frame</b>	Powder coated fabricated steel frame
<b>Dimensions</b>	22" W x 23" L x 38" H
<b>Weight (Dry)</b>	170 lbs
<b>Ratio</b>	1:1 ratio
<b>Pumps</b>	Highly efficient, inexpensive hydraulic gear pumps with Viton seals - 2 bolt mount
<b>Tanks:</b>	7.5 gal semi-transparent square tanks with 1 gal demarcation at inward taper solidly mounted to the frame, connected with a swivel adapter to gear pumps
<b>Mobility</b>	Non-marring, heavy duty rounded caster treads; lightweight and compact frame design for super easy maneuvering; straight handle across frame with 2 upright grips; handle flips over for use with 2 people and best transportation
<b>Handle</b>	Lightweight, forearm brace with removable strap; hook to hang on frame; strap can be used to secure wand to frame during transport, or to hold hoses to the frame; thumb control ON/OFF switch and finger speed control with one hand; coarse thread manifold threading, standard cartridge nuts will fit; heavy duty grease fittings and back flow valves on manifold for cleaning, airtight sealing, and ratio checks
<b>Hoses</b>	Nylon-wrapped, braided stainless steel hoses, coupled with control wiring, encased with a heavy-duty protective cord management wrap



## Directions for Use

1. Condition material to 70°F (21°C) or above. Pre-mix polyol side per manufacturer's instructions.
2. Remove lid to the tank that will be filled, while leaving the other tank lid on. Fill the tank with the correct side of joint filler. Never cross-contaminate the iso or polyol sides or products will harden within the manifold, pumps, and supply lines.
3. Plug the machine into the power box, an outlet, 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 iso and polyol are noticeable, then connect the 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.**

4. There is 1 gal left in the 7.5 gal tanks where they taper inwards. This is the best time to add another 5-gal bucket of material.
5. When done, turn the power off at the handle, and then turn off the master red OFF switch.
6. Secure the lids tightly, remove the nozzle, grease both backflow valves and both openings of the manifold until grease comes out, then wipe grease to manifold threads and secure the night cap with the nut. **Note: The coarse thread nut is the same size as any 22 oz. cartridge nut in case it becomes lost.**
7. Long term storage requires cleaning of the pump and lines with xylene (or a pump flush designed for joint fill pumps) then flush and store with any inexpensive oil. 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.
8. Periodically lube the chain and test for tightness.
9. Gear pump removal: empty tanks until fluid is only visible at the bottom of the tank. Undo swivel adapter and loosen tank mounts, disconnect 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.



## Technical Support

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



## Videos

### Videos | Pump Features



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



### Videos | Pump Operation & Cleaning



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



## 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.



Grips/Handles PN#GRIP

Reversible Handle PN#HANDLE

Storage Bin PN#STOBX

Lids PN#TANKSQL

7.5 Gallon Tanks PN#TANKSQ75

Drive Cover (Chain and Sprockets)

Rigid Casters PN#CAST8

Swivel Casters PN#CAST3S



ON/OFF Master Switch PN#ONOFFM

Tank Mounts (8)

One-gallon level "at angle of tanks"

Rear Cover/Shelf for Power Box/Generator



Heavy duty rounded swivel casters with brakes  
PN#CAST3S

Twist clamps to hold lids securely in place  
PN#LIDCLAMP



Rubber band: Hold lids on for storage/transportation. Secure wand while cleaning.



Arm Brace: Hold arm to wand in any position or hold wand to frame while operating or for transportation  
PN#STRAP



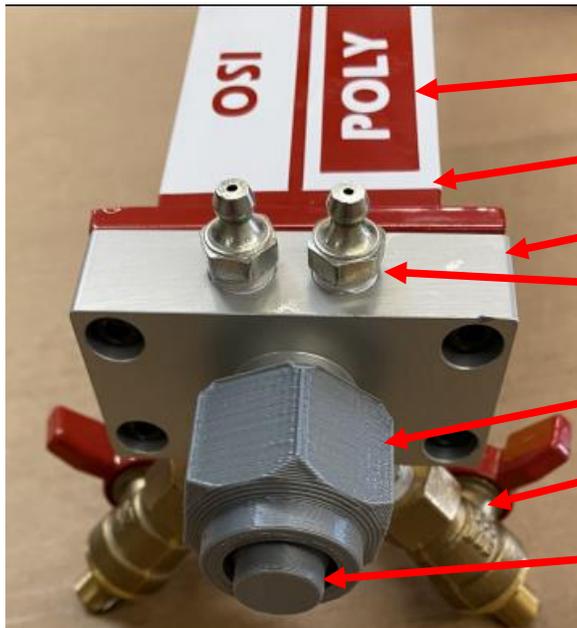
Arm brace with hook to hang on handle

Thumb control ON/OFF Switch  
PN#ONOFFT

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

Optional Power Box PN#POWERBOX  
(Magnetized to hold strong to frame)

Cover/platform for Generator or Power  
Box PN#PLCOVER



Iso and Poly hose locations are labeled

Nipples (inside tube) PN#MANNIP

Manifold PN#MANMXR

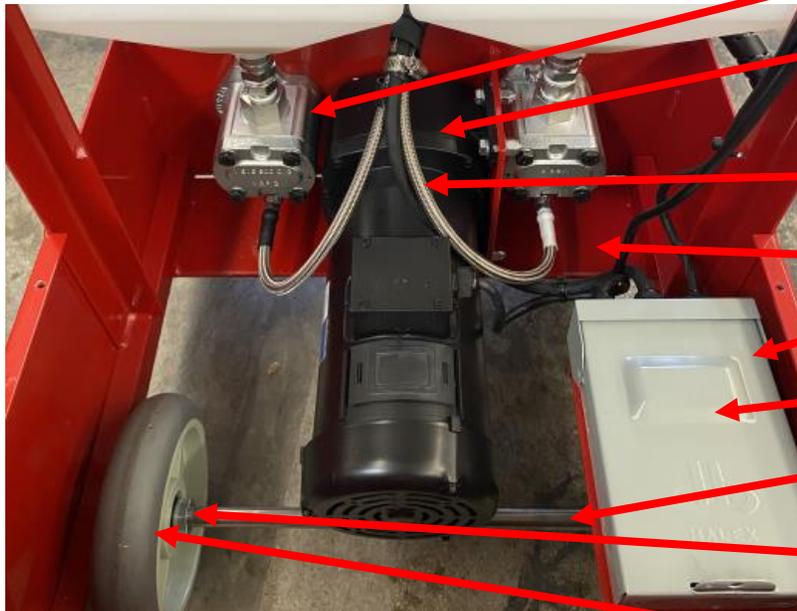
Heavy duty grease fittings PN#ZIRCS

Coarse thread manifold nut PN#MANNUTC

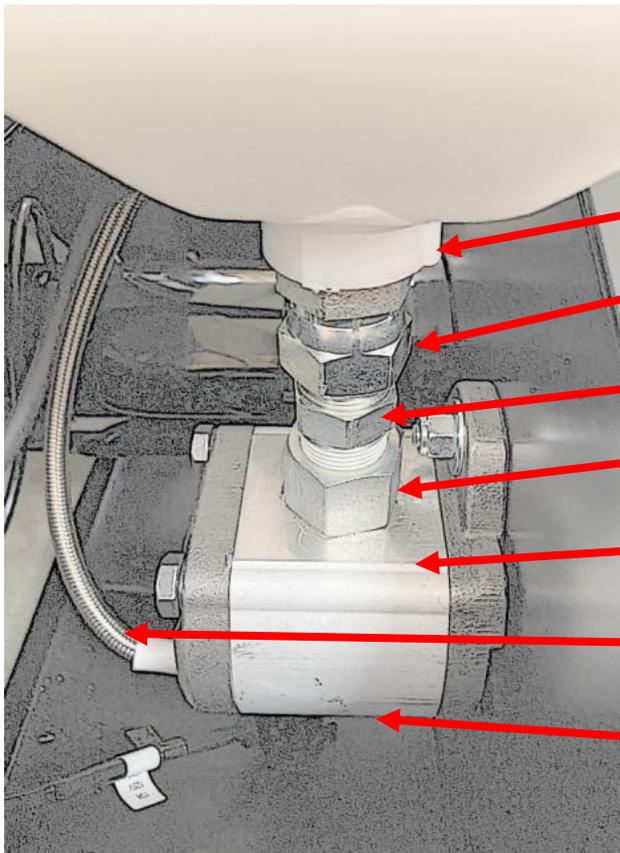
Ball valves PN#BALL18

Night cap with indents PN#NTCAPIND

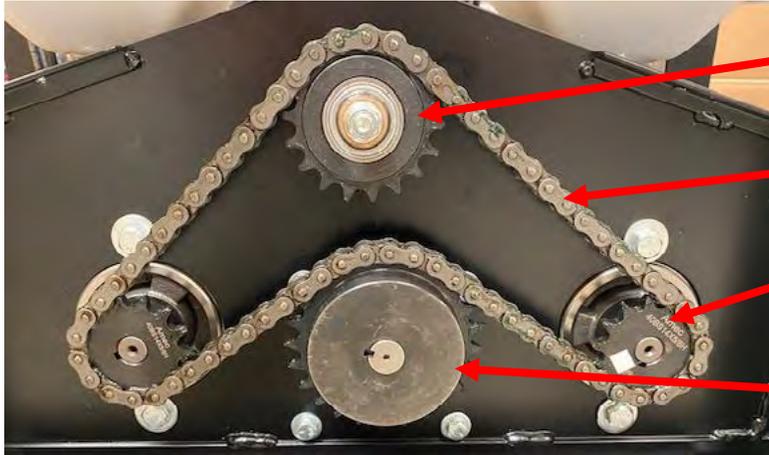
Complete Manifold Assembly:  
(Manifold, nipples, grease fittings, ball  
valves, night cap & nut)  
PN#MANASSYMM



- Gear Pumps PN#PUMPV
- Motor PN#MOTOR
- Supply Lines PN#HOSE11FT
- Drip Pan (part of frame)
- Electrical Box PN#BOXSCR
- SCR Drive (In Box) PN#SCRDRIVE
- Axle PN#AXLE
- Axle Collar PN#AXLECOL
- Flange Bearing (other side) PN#FLBEAR
- Rigid Casters PN#CAST8



- Tank with threaded connection PN#TANKSQ75
- Swivel Adapter PN#SWIVEL
- Hex Nipple PN#NIP34HX
- Top Pump Nipple PN#TOPNIP34
- Gear Pump PN#PUMPV
- Supply Line PN#HOSE11FT
- Bottom Nipple (under gear pump) PN#BOTNIP



Idler Sprocket **PN#IDLER**

Chain **PN#CHAIN**  
(Chain Link **PN#CL**)

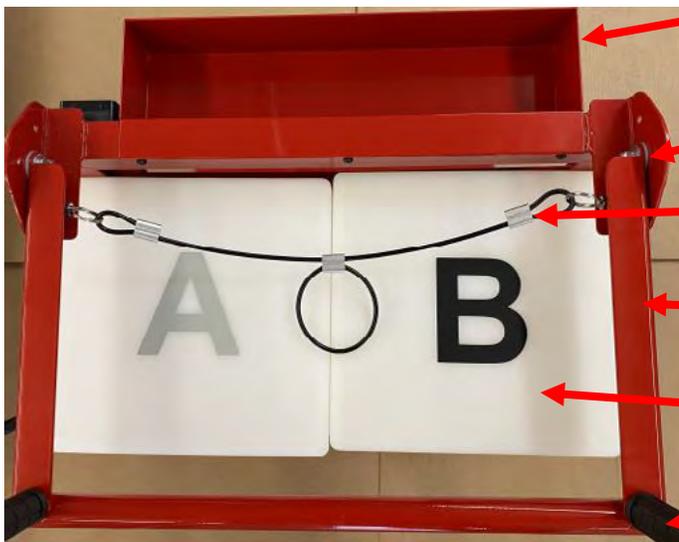
Pump Sprocket **PN#SPRKT401434**

Motor Sprocket **PN#SPRKT402534**



Tank Screens **PN#SCREENISO** &  
**PN#SCREENPOLY**

(Screens fit on tank angle)



Storage Compartment **PN#STORBX**

Shoulder Bolt **PN#BOLTSH**

Spring Rope **PN#SPROPE**  
(Pull to flip handle)

Reversible Handle **PN#HANDLE**

Lids **PN#TANKSQL**

Grips/Handles **PN#GRIP**

## SCR Drive Locations and Adjustments

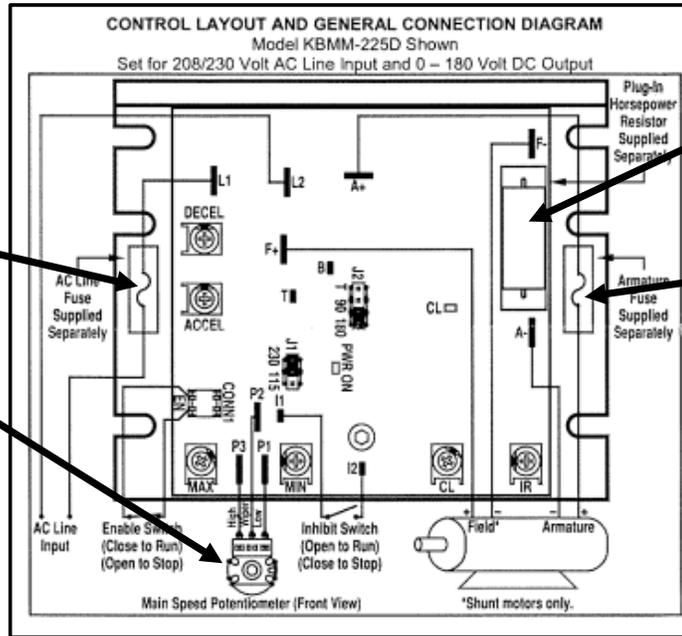
PN#SCRDRIVE

12 Amp Fuse  
PN#FUSE12

Pot Kit/Speed  
Control  
PN#POT

Resistor  
PN#RES

8 Amp Fuse  
PN#FUSE8



### 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

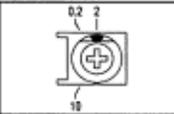
**MINIMUM SPEED (MIN):** Sets the minimum speed of the motor when the Main Speed Potentiometer is set fully counterclockwise. **Units:** % Base Speed

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

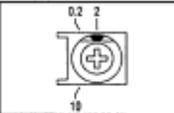
**CURRENT LIMIT (CL):** Sets the current limit (overload), which limits the maximum current (torque) to the motor. The CL also limits the AC line inrush current to a safe level during startup. **Do not exceed 2 times motor current rating (maximum clockwise position).** **Units:** % Full Load

**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



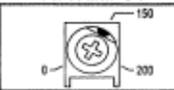
#### MIN TRIMPOT



#### MAX TRIMPOT



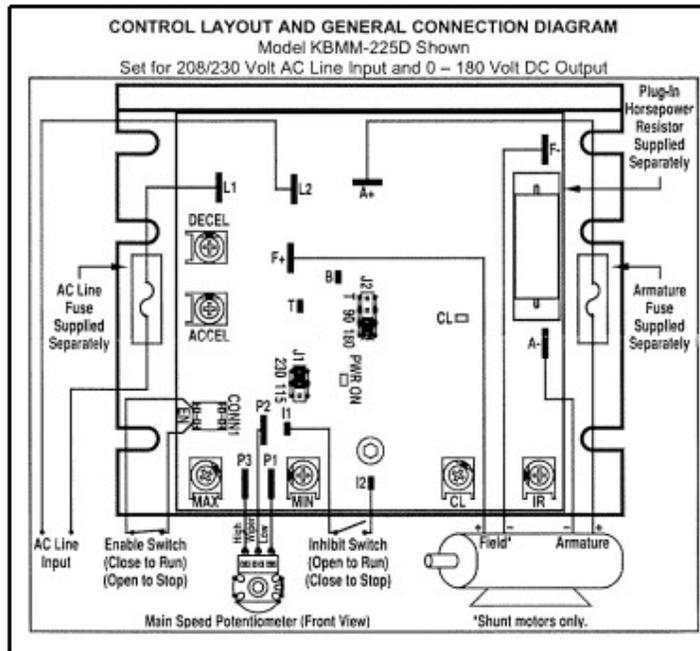
#### CL TRIMPOT



#### IR TRIMPOT



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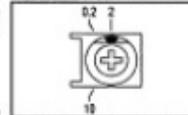
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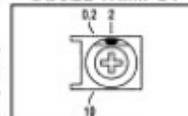
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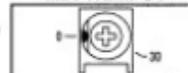
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