Small 50 Spray and Grout Pump

Setup for pumping only:

- 1. Attach gauge to pump
- 2. Attach 1" hose to gauge (see section on fine tuning the pump)
- 3. Plug in power cord (blue light will illuminate)
- 4. Plug 5v remote cable into yellow port
- 5. Fill hopper with water (this lubricates the hose)
- 6. Turn on pump (yellow dial on right side) from position 0 to 1 (numbers should illuminate on LED read out)
- 7. Set LED to read 50Hz by using the plus or minus buttons
- 8. Set the dial (below + / buttons) to forward (clockwise)
- 9. Press on the remote switch to begin pumping (material will begin to flow)
- 10. Add slurry mix of Portland cement based product (only if using cement based materials) to an empty hopper and begin to pump. *This will lubricate hose to allow material to flow easier.*
- 11. Add your material to be pumped into the hopper
- 12. Adjust pump speed accordingly

Setup for pumping and spraying of cement based materials:

- 1. Follow steps 1 3 pumping only section (remote cable not used for this operation)
- 2. Loosen handle clamps and slide handle away from unit
- 3. Insert compressor into handle and push towards the hopper until the rubber isolators make contact and then tighten knobs to clamp handle
- 4. Attach air hose from the compressor into either port on the right side of unit when looking at the display panel
- 5. Attach the air line to the remaining open air port
- 6. Attach the Koine gun to the end of the material hose (valve on gun should be closed)
- 7. Select the right nozzle for the application (orifice size and spray pattern)
- 8. Attach the air line to the gun
- 9. Follow steps 5 8 above
- 10. Open the air valve on the gun (this will start the compressor and the pump)
- 11. Follow steps 10 12

Setup for pumping and spraying of paints and coatings:

- 1. Follow steps 1 5 in the previous section
- 2. Attach the finish and coatings gun to the end of the material hose (red valve on gun should be closed)
- 3. Select the right nozzle for the application (orifice size and spray pattern)
- 4. Attach the air line to the gun
- 5. Fill the hopper with water (This lubricates the hose)
- 6. Set LED to read 25Hz by using the plus or minus
- 7. Set the dial (below + / buttons) to forward (clockwise)
- 8. Open the valve on the gun (this will start the compressor and the pump)
- 9. Pour the material to be used into the hopper once all the water is out of the hopper
- 10. Adjust pump speed accordingly and bleed air from valve accordingly from gun



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Cleaning instructions

- 1. Empty hopper
- 2. Pull out drain plug from under the hopper
- 3. Disconnect the material hose
- 4. Disconnect the gauge
- 5. Disconnect the gun
- 6. Rinse hopper and unit clean with water (display panel is splash proof) until all material is rinsed thoroughly
- 7. Replace the drain plug
- 8. Fill hopper with water
- 9. Turn unit on via the remote (if attached) or the valve on the gun (pump will start turning)
- 10. Clean the end of the stator with the supplied cleaning tool to remove any debris (tool was designed not to interfere with screw)
- 11. Stop unit
- 12. Wipe the end of the hose clean (the side to be inserted back into the stator)
- 13. Insert sponge ball into the end of the pump (this will wipe clean the inside of the hose)
- 14. Insert the hose back onto the stator
- 15. Fill hopper with water
- 16. Turn unit on and set above 50hz
- 17. Catch the sponge ball from the other side of hose (only one time necessary)
- 18. Clean gauge, tips and gun thoroughly
- 19. Drain any excess water left in the hopper and pump

Fine tuning:

Have the unit auto-reverse when pump is stopped

- 1. Shut off unit by turning the switch on the right side to the 0 position
- 2. Hold down the plus & minus buttons simultaneously
- 3. Turn the unit back on the 1 position still holding the plus & minus buttons (about 5 seconds) a number 3 will flash and you can now release

To deactivate, simply follow steps 1 - 3

Adjusting the screw / stator:

- 1. Attach the gauge to the end of the stator
- 2. Attach the hose to the end of the gauge
- 3. Fill unit with water
- 4. Kink hose to restrict flow
- 5. Turn on unit
- 6. Check the gauge to read 150 psi or 10 bar (note that the top numbers measure bar)
 - If more, then loosen the 3 bolts with 19mm wrenches one revolution each until correct
 - If less, then tighten the 3 bolts with 19mm wrenches one revolution each until correct

For technical support you can call us at IMERUSADIRECT toll free at 844-463-7776. If you are unable to reach us you can call Robert Bacarella @ 917-757-0669