

INSTALLATION AND OPERATING INSTRUCTIONS FOR THE BUILD-ALL MODEL MP170/MP300 RECIRCULATING PUMP MODULES

[READ COMPLETELY PRIOR TO OPERATION]

INSTALLATION:

- 1) Unpack all of the MP component parts. Refer to the Parts Schematic.
- 2) Hang the pump support housing (#1) on the right sill of the rinse tank. Make sure the back side of the housing is tight against the rear wall of the tank. *NOTE: The MP was designed for mounting only on the right side of the tank so as not to interfere with the tank's fusible linked latch bar.*
- 3) It is necessary to make a hole in the side of the rinse tank for the pump wiring to pass through (if one has been punched previously continue to Step 5). To determine where, use a pencil or scribe to mark the location through the electrical elbow (#10).
- 4) Remove the pump support housing. Center-punch where the center of the hole has been marked. With a drill, punch, or hole-saw, make a 7/8" diameter hole through the tank wall. Reinstall the pump housing
- 5) Working from the outside of the tank, line up the electrical box (#11) with the hole in the tank wall and the threaded hub of the electrical elbow. From the outside, screw the smooth bore bushing (#12) through the elbow. While holding the electrical box straight, use a 15/16" socket to tighten the bushing securely so that the electrical box will not rotate.
- 6) Feed the pump electrical wires through the outlet side of the elbow into the electrical box. Install the elbow cover and gasket and tighten the screw securely.
- 7) With the wire nuts provided, connect the green pump ground wire to the green power cord wire; the blue pump wire to the blue power cord; and the brown pump cord to the brown power cord.
- 8) Secure the 2 x 4 box cover (#13) to the electrical box with the screws that are provided.
- 9) Mount the switch box on the bracket welded on the left front side with the tek screw provided.

- 10) Plug the pump into the top outlet on the back of the switch box. The top outlet is switched on and off with the rocker switch on the front. The bottom outlet is always powered on.
- 11) Fill the rinse tank with enough solvent so that the pump is completely immersed but no higher than the top of the pump support housing where the flexhose (#6) is attached.

NOTE: The MP is designed to be used with high quality petroleum based solvent such as mineral spirits or stoddard solvent with a T.C.C. Flashpoint of over 100°F. Do not use the MP with chlorinated or blended solvents without first receiving a compatibility approval from Build-All.

OPERATION:

- 1) Use in a well ventilated area.
- 2) Do not leave the pump running unattended.
- 3) Do not run the pump dry as shaft seal damage may result.
- 4) Adhere to all additional instructions and precautions found on the unit's 'General Instruction' decal.