

***These instructions are provided as a convenience. Please read the Manual carefully to ensure safe, effective operation of the machine.***

## SETUP AND CONNECTIONS

**Note: the unit is designed to become inoperable if certain setup procedures are not followed.**

### 1. CONNECT THE AIR SUPPLY

This unit is equipped with air operated components including 4 Dual Diaphragm pumps, 5 solenoid valves and a pneumatic drain ball valve. These components require a supply of clean, dry air (a Moisture Filter is included and must be installed). An air supply of at least 85 PSI (6 kg/cm<sup>2</sup>) and 4 CFM is required for proper functioning. **WARNING: A PRESSURE REGULATOR IS PRE-INSTALLED. BYPASSING OR REMOVING THE REGULATOR COULD RESULT IN THE USE OF AIR PRESSURE HIGHER THAN 85 PSI. THIS COULD DAMAGE THE PUMPS AND VOID THE WARRANTY.**

Apply teflon tape to the Air Inlet Fitting (1/4" NPT Female Threads) and connect the Moisture Filter to it. Connect the air supply to the Filter. Make sure that there are no leakages at the connections. Also make sure that the air is free of dust, rust and other contaminants. Drain the Moisture Filter before each recycling.

### 2. CONNECT THE ELECTRICAL POWER

Connect the unit to a dedicated 15A, 100/120V branch circuit using one of the methods described in the Location section. On first power up the Display Panel shows "NEW UNIT SET-UP". After the initial start up, when the unit is ready to begin a new cycle, the Display Panel shows "STANDBY SP =240°C". (SP = Set Point). **Note: changes to the unit's operating parameters should only be made when the unit is in this "STANDBY" mode (see OPERATION section).**

### 6. INITIAL SETUP (PREPARATION FOR PARTS CLEANING)

- Remove the front door and notice the location of the Duty Tank and the Clean Tank.
- **THE DISPLAY PANEL SHOULD BE READING "NEW UNIT SET-UP" (FIRST POWER UP ONLY).**
- Press "START" button. The display will show "FILL DUTY TANK" and the Green Power LED will start flashing and a beeping sound will start.
- Open the Sink Lid fully and fill the Duty Tank by slowly pouring clean solvent directly into the drain hole at the bottom of the Wash Sink. Five Gal (19L) of solvent is required. The beeping sound and flashing of the Green LED will continue until enough solvent has been added. Then the sound and the flashing will stop and the Display will read "DUTY TANK FULL".
- After a 10 second delay, the beeping sound and the flashing of the Green LED will start again and the Display will read "FILL CLEAN TANK".
- Open the hinged lid of the Clean Tank and slowly, carefully pour clean solvent into the tank until the beeping stops - approximately 10 Gal (38L) is required. The Display will then read "CLEAN TANK FULL" and the liquid level showing in the sight gage should be close to the top ("10 Gallon - 38 Litres") line.\*
- After about 10 seconds, the Display will change to "STANDBY SP =240°C". The unit will now wait for a pre-set amount of accumulated usage time (which is initially set to 2 hours) and then automatically activate the recycling operation. This "AUTO START" time period is recorded by the computer and is the amount of cleaning time used by an operator as measured by an air sensor attached to the Wash Pump line. This setting can be decreased if exceptionally dirty parts need to be cleaned or increased to accommodate light-duty cleaning. To change the AUTO START setting, see the SETUP MODE section.

- From READY mode or STAND-BY mode, recycling may be started manually at any time by pressing the START button. This will over-ride the "AUTO START" setting only for this cycle.
- Recycling may be started automatically at a certain time of the day if an optional 24-Hour Timer is connected and the "AUTO START" time is set to ZERO "0" hour.
- If the "AUTO START" time is not set to ZERO "0" hour, the unit will wait for an AUTO-START signal from the accumulated usage timer or the unit can be started by pressing the START button. The Display shows "READY SP =240°C".
- If "AUTO START" time is set to ZERO "0" hour, the unit waits for an external start signal or it can be started by pressing the START button. The Display shows "STAND-BY SP =240°C".

**CAUTION: Although changes to some of the unit's operating parameters can be made at any time by pressing "STOP" and entering SETUP MODE, such changes could cause serious problems if done in the middle of a recycling operation. Therefore, it is highly recommended that such changes only be made when the unit is in "STANDBY" mode (ie: just before or just after a recycling operation).**

## 7. TOPPING OFF THE CLEAN SOLVENT TANK

From time to time, it becomes necessary to add solvent to the CLEAN SOLVENT TANK because of loss by evaporation, drag-off and waste removal. When the lower level sensor in the CLEAN SOLVENT TANK detects the low solvent level, the Display will read "FILL CLEAN TANK", an alarm will sound and the Green Power LED will start flashing. Add solvent to the Clean Solvent Tank as follows:

- Make sure that unit is in READY mode or STAND-BY mode - the display will read "READY SP =240°C" or "STAND-BY SP =240°C" and the Green Power LED will **NOT** be flashing.
- Open the hinged lid of the Clean Tank and slowly, carefully pour clean solvent into the tank until the alarm and the flashing Green LED stop - approximately 6 to 7 Gal (22 to 26 Litres) of clean solvent are required. The Display will then read "CLEAN TANK FULL" and the liquid level showing in the sight gage should be close to the top ("10 Gallon - 38 Litres") line.\*