

SERVICE REQUIREMENTS

Model ERV has the following service requirements:

50 p.s.i. air pressure
4 Amps electrical currunt draw at 120 volt,
(2 amps at 240 volt)
6" Diameter Heating Unit / 6" Pressure Pad

GENERAL INFORMATION

This air operated vulcanizer is designed to make permanent repairs on envelopes and tubes. An air pressure gauge on the main panel indicates the factory preset operating of 50 p.s.i. however the regulator allows for pressure to be adjusted upwards to 70 p.s. i. Also, the indicator lamp illuminates upon a cold startup of the unit. The indicator lamp will then start to cycle on and off when unit has reached correct operating temperature.

OPERATING INSTRUCTIONS

1. Pinhole injuries require no trimming. In the event of a tear type of injury, round out any jagged ends of the injury to prevent further tearing. Trim edges to slightly widen injury allowing repair rubber to flow into and fill the injury. Buff envelope thoroughly 1/2" in all directions beyond injury edge.
2. Clean area with solvent (if recommended) and apply vulcanizing cement (supplied with your patch) in accordance with patch manufacturers recommendation. In the event of a tear type of injury fill the injury with envelope repair material and place patch repair material 1/4" - 1/2" larger than injury and stitch down thoroughly.
3. Make sure ERV vulcanizer electrical timer is turned to OFF position. If unit is not already plugged in, plug cord of ERV into electrical outlet at this time. Rotate handwheel screw T200 to separate air cylinder T199 from heat unit T143 so that repair can be inserted between T199 and T143. Place repair directly in center of heat unit T143 with patch material facing up. Rotate handwheel screw T200 clockwise to lower T199 onto the injured envelope and tighten handwheel screw T200 until snug.
4. Rotate electrical timer knob clockwise to desired cure time. When timer is rotated, the heat unit T143 begins to heat and air is released into air chamber T199 thereby exerting pressure onto pad T144 and against the injury. **NEVER ATTEMPT TO OPEN THE CLAMP WHEN UNIT IS UNDER PRESSURE.** If handwheel screw T200 is not firmly tightened, the pad T144 may protrude out underneath the air cylinder T199 and allowing air seal T063 to rupture. Should this happen, immediately turn unit timer to OFF position. This will shut off the air supply. Remove pad T144 from containment within air cylinder T199. Remove and replace air seal T063 and reinstall assembly back into T199. Set timer according to the patch manufacturer recommended curing time.

CAUTION HOT VULCANIZER TEMPERATURE IS PRESET TO OPERATE AT 315 DEGREE F.

LMC Van's LLC
4446 Peck Road
Croswell, MI 48422
lmcvan8@gmail.com
810-679-2115