

# CRYSTAL MARK, INC.

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## WEEKLY MAINTENANCE ON LV-1 & XV-1 UNITS

- A. Always do a visual inspection.
- B. There is a service meter on the front panel to keep track of the service time which will help determine the last time the unit was serviced. This will help establish a preventative maintenance program.
- C. Each unit should be serviced after being in use for 40 hours maximum or less under severe circumstances.
- D. There are three specific places in the unit to check:
  - 1. Fitting and hose from output of mixing chamber.
  - 2. Hose going into the main pinch valve assembly.
  - 3. Hose going out of the main pinch valve assembly.
- E. In these three places, cut the hose approximately 1" from the fitting to prevent possible leaks. Leaks most likely occur at 1" from fitting.
- F. It is highly recommended that you replace the pinch valve tubes after a maximum 40 hours of use.
- G. When the pinch valve tube has been replaced, the input and output nipple assemblies can be interchanged to extend the life of the fittings (approximately another 40 hours).
- H. If you experience a problem with the powder flow into the lower mixing chamber, remove the orifice plate to clean the holes and replace. Clean the interior of mixing chamber with low air pressure.
- I. Check for proper installation of the leak detector kit to minimize wearing of other components within the abrasive pathway.
- J. Only use **CRYSTAL MARK, INC.** approved abrasive powders. **SWAM-BLAST®** powders are free from moisture and foreign particle contamination.
- K. Verify that the input air being supplied into the unit is free from moisture, oil, and dirt.  
**NOTE:** *Compressed air lines are contaminated with moisture, oil, and dirt that must be filtered.*
- L. Check for any electrical problems.
- M. Upon completion of the above steps, the LV-1 and XV-1 units are ready to go back into operation.

**F**or additional information, please refer to your operator's manual. For service assistance or information regarding replacement components, please contact **CRYSTAL MARK, INC.**