

PISTA® Dry-out Procedure

PISTA® GRIT REMOVAL SYSTEM

To minimize the expense of returning a flooded PISTA® to service, the following procedure should be followed:



DANGER: Disconnect and lock out power before servicing equipment. Failure to do so could result in serious bodily injury or death.

1) Turn off power at main disconnect that serves the PISTA®. Make sure that all power services to the PISTA® are disconnected and locked out.

2) Wash down the control panel, pumps, motors and piping with a hose or buckets of clear water.

3) We recommend replacing the paddle drive motor.

4) Listed below is a flushing procedure that would need to be used on the large bull gear drive assembly as well.

Bull Gear Flushing

- a. Drain gear of emulsified oil
- b. Fill with diesel fuel and run the drive for a 10 minutes.
- c. Drain gear
- d. Fill with half diesel and half (new) oil, run drive for 10 minutes.
- e. Drain gear
- f. Fill with diesel fuel, run drive for 10 minutes
- g. Drain gear
- h. Fill with mostly oil and part diesel, let drive run overnight.
- i. Drain gear
- j. Fill with only oil, run drive for a few hours
- k. Drain gear
- l. Fill with only oil. Use of synthetic oil at this re-fill and all others after this would be recommended

5) Install a heater and fans near the affected PISTA® components to start the drying process. If available, use an air compressor and blow water from the components.

6) Open all conduit boxes to drain and dry.



WARNING: Prior to using any corrosion preventative ...fHll product, read the Material Safety Data Sheet and the instructions for its proper application. Failure to do so could result in serious bodily injury or death.

7) Buy five gallons of CRC-2-26 and two spray cans of CRC-2-26, or a similar moisture displacing corrosion preventative product from an electrical supply house. (CRC #02005).

8) Secure a tub or similar container and pour in five gallons of CRC-2-26.

9) Remove all components from the panel, a few at a time and dip in CRC-2-26. Wash lightly with a paintbrush or cloth, then reinstall.

10) Remove pump motors - air compressors, fan motor, etc. Take to a competent electric motor repair shop, have them baked out and replace all bearings.

11) Have the electrician "meg" all circuits before applying power. If the "meg" reading is below 500,000 OHMS on any circuit, check circuit and spray the components with CRC-2-26, or locate "ground" until circuit "megs" 500,000 OHMS or more.

In addition to the rehabilitation steps previously mentioned to reinstate the SMITH & LOVELESS® warranty on a new PISTA® still under warranty as a minimum the following items, but not limited to these items, must be accomplished:

A. All flooded motors including, but not limited to, pump motors, air compressor, fan motor, etc., must be taken to an E.A.S.A. Associated Motor Shop. The motors are to be identified to the motor shop as having been flooded. These will have to be baked out and have bearings replaced and

megged. A shop report of each motor repaired, stating that it has been properly repaired of flood damage and returned in serviceable condition and a copy of the paid billing must be received by the SMITH & LOVELESS® Warranty Manager before warranty is reinstated. (The motor shop must warrant their work to all concerned for the duration of the reinstated warranty.)

B. Any special electrical equipment flooded must receive the proper attention.

C. The PISTA® components will need to be washed down and cleaned up to its factory delivered condition. This cleaning includes all parts not replaced.

D. Electrical components of the control panel and other electrical devices need to be evaluated individually, based on the amount of flooding and care of the PISTA® after flooding. Items generally requiring replacement include circuit breakers, relays, time meters, switches, transformers, percentage timers, etc.

E. All parts requiring replacement and subsequent re-warranting must be purchased from SMITH & LOVELESS® specifically for use with this flood damage replacement procedure.

The electrical parts must be installed in the cleaned up control panel. Labor to install the above is to be provided by a qualified electrician.

F. All labor to clean and renovate the PISTA® must be done in a workmanlike manner. The cost for such labor is not covered by SMITH & LOVELESS®.

G. The refurbished PISTA® must be inspected by a SMITH & LOVELESS® field service engineer to ensure that all components have been properly reinstalled, replaced or cleaned and that the PISTA® is functioning properly prior to the PISTA® being certified to be in a satisfactory condition to reinstate the original warranty.

Whether your PISTA® has been installed for 20 years or 1 week, these instructions should get you back up and running after a flood.



TO ORDER, CALL **1-800-922-9048**