

# TRAVAINI PUMPS, USA

## FULL RECOVERY WATER SEALED SYSTEM STARTUP PROCEDURE

System model: **TRW750H-2FR**

**NOTE:** THE ENTIRE SYSTEM WAS GIVEN A MECHANICAL AND ELECTRICAL RUNNING TEST TO INSURE THAT ALL COMPONENTS WERE FUNCTIONING PROPERLY. THE WATER WAS DRAINED PRIOR TO SHIPMENT.

1. Upon receipt of the system, please check to insure that none of the components have been damaged or have vibrated loose during shipment. Check the wiring in the control panel and check to make sure that none of the wires have vibrated loose. Reconnect the wiring from the pump unit without the control panel. Refer to wiring diagram for details.
2. When installing the system, make sure that flexible connectors are used when piping to the system.
3. Check the v-belt tension. Make sure that the v-belt has 1/4" play up and down for a total movement of 1/2". Upon startup, if the v-belt screams, belt is too tight. If the v-belt flaps, belt is too loose. Belt tension can be adjusted by using the adjustments on the motor sliding base.
4. Hook up the make-up water to both solenoid valves (1/2" NPT). The low-level switches will maintain the water level.
5. Note the overflow plug on the separator tank. If substantial carry over of liquids is expected, remove plug and pipe overflow to drain or treatment system.
6. Hook up cooling water to both shell and tube heat exchangers. (The heat exchangers were sized for 25 g.p.m. at 50 deg. F) -1-1/2" NPT size.
7. Connect power (460V) to control panel. Leave HOA switches in off position to allow solenoid valves to energize. Allow tanks to fill.
8. Make sure that all sealing fluid line valves (1 ball valve, 1 globe valve per unit) are in the open position. Allow fluid lines and heat exchangers to fill. Check the sight glass to insure that tanks have been filled.
9. Refer to instruction sheet include in this manual for directions on how to set the vacuum switches. Allow for a minimum of 2 -3"Hg differential between the cut- in and cut-out levels to prevent frequent starts.
10. Bump start the pumps to check rotation. Correct rotation should be clockwise when facing front end of motor. Check rotation on circulation pump, rotation should be counter-clockwise when looking down on back end of motor. If rotation is incorrect, switch wiring.

11. Start the pumps up. Unit should pull vacuum. If unit does not pull vacuum, recheck above steps. Run pumps at 25"Hg. for several minutes.

Our I.O.M. is included along with a complete system drawing. If you have any questions, please contact the factory.