



COALESCER DEMONSTRATION UNIT

The following procedure must be observed:

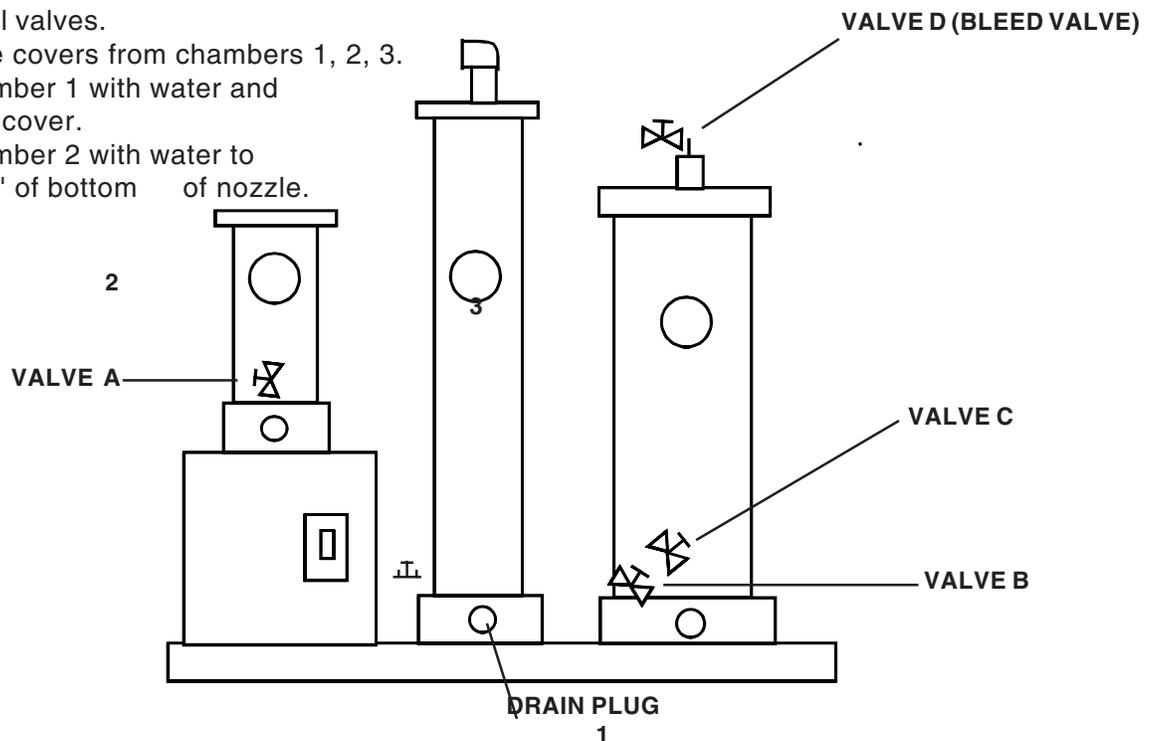
1. DO NOT energize pump unless all flow control valves are open. The positive displacement pump does not have a pressure relief and therefore will develop high pressure which can cause leakage at gaskets or pump seal.
2. Do not drain the assembly or lower any liquid levels for start-up or shut-down.
3. At start-up and prior to energizing pump, open all valves except the bleed valve on top of coalescer.
4. Energize pump, then open oil bleed line.
5. At shut-down, close bleed valve, then de-energize motor and close remaining valves.
6. Disconnect extension cord from motor power supply. This will prevent unauthorized personnel from energizing pump when valves are closed.
7. **During freezing weather the unit must be shipped empty. Therefore, the following procedures must be performed before start up.**

- e. Replace cover.
- f. Fill chamber 3 with water to within 2" of top and replace cover.
- f. Open valves A, B, & C.
- g. Energize pump and recirculate water for 3 minutes.
- h. Close valves A, B, C.
- i. Remove cover from chamber 3 and add 2" of oil. Replace cover.
- j. Open valves A, B, C and energize motor.
- k. Open bleed valve on chamber 3 ¼ turn to allow oil to bleed off.

For return shipment during freezing weather:

- A. Remove cover from chamber (3) & skim oil off. Then pour off water.
- B. Remove drain plug from (2).
- C. Remove cover from (1) then pour off water.

- a. Close all valves.
- b. Remove covers from chambers 1, 2, 3.
- c. Fill chamber 1 with water and replace cover.
- d. Fill chamber 2 with water to within 3" of bottom of nozzle.



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