

## AUTOFLO HUMIDIFIERS

### Automatic Drain Assembly

#### **Parts List:**

- \* 24 volt solenoid drain valve
- \* 1/4" x 7/8" brass nipple
- \* 1/4" x 3/8" barb brass 90° adaptor
- \* 1/4"m x 1/4"f x 1/4"f brass street "T" fitting

#### **Required tools and materials:**

- \* Adjustable wrenches
- \* Drain bucket
- \* 3/8" high temperature hose.
- \* Hose clamp
- \* Teflon tape

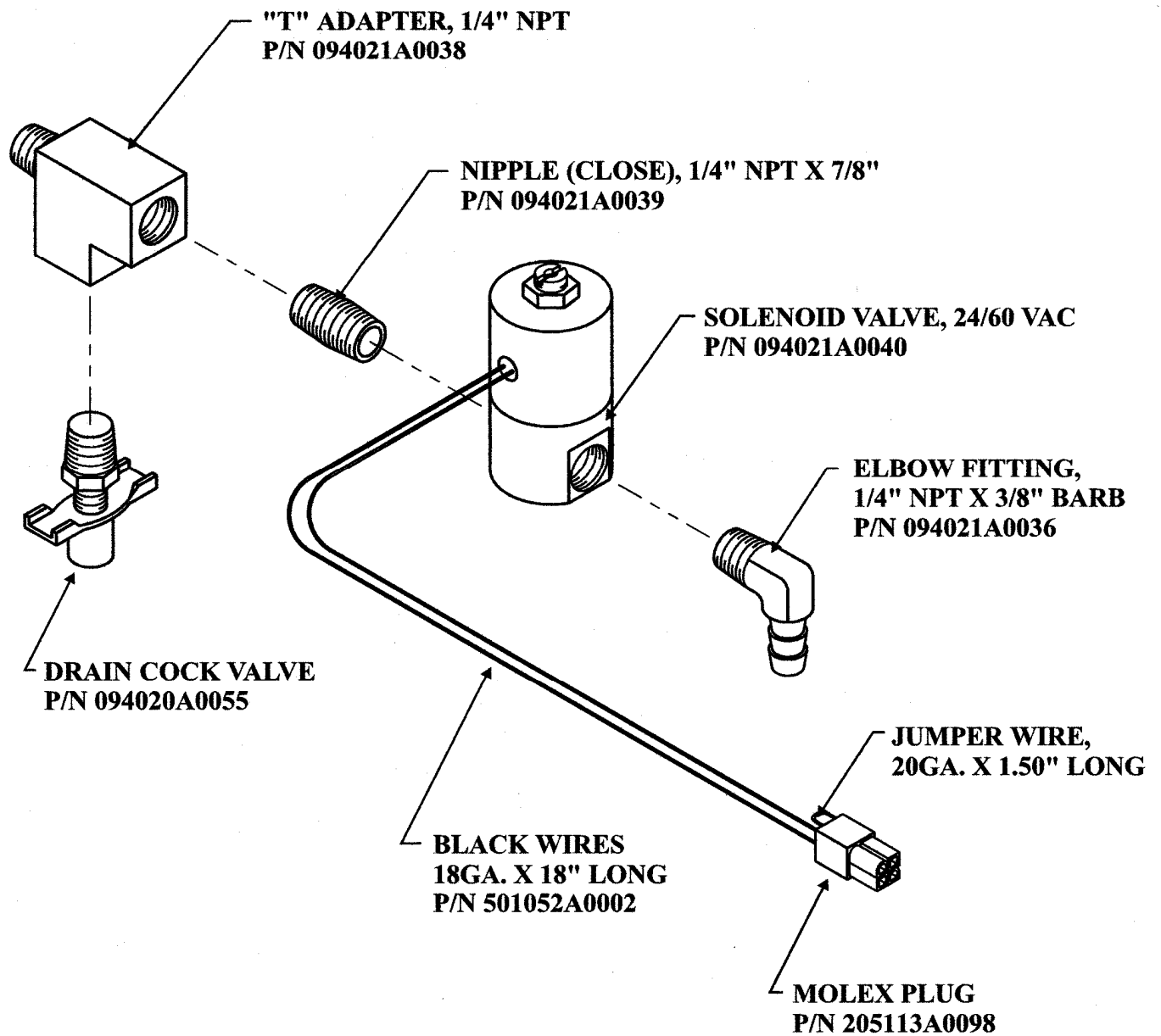
#### **INSTALLATION:**

1. Unplug the power cord from the 120 volt source for the S2000. (240 volt for the S2020).
2. Allow the water in the pan to cool for at least 30 minutes.
3. Open the manual drain valve and drain the water bin completely. Have a container ready to catch the water. CAUTION: The water may still be hot!
4. Unscrew and remove the manual drain valve when the bin is empty.
5. Apply teflon tape to the threads of the manual drain valve and install into the bottom of the "T" fitting.
6. Apply teflon tape to the male threads of the "T" fitting. Screw and tighten into the drain connection where the manual drain valve was removed.
7. Apply teflon tape to the threads of the short (1/4"x7/8") brass nipple.
8. Screw and tighten the brass nipple into the "T" fitting.
9. Screw and tighten the short nipple onto the solenoid valve, and then screw and tighten the assembly onto the brass street "T" fitting. IMPORTANT: Observe the direction of flow on the solenoid valve.
10. Apply teflon tape to the threads of the brass elbow adaptor.
11. Screw the elbow adaptor into the solenoid valve, and tighten to a position with the barb fitting pointing down. NOTE: Do not use the top of the solenoid valve as leverage when making connections.
12. Connect 3/8" I.D. high temperature rubber or plastic tubing, to the barb fitting and use a hose clamp to secure it.
13. Route the drain tubing to a suitable drain. Do not route the tubing above the humidifier!
14. Insert the solenoid wire plug, into the molex connector on the side of the steam humidifier.
15. Plug in the power cord and set the humidistat to call for humidity.
16. The drain valve will open momentarily, the water fill valve will open, and the bin will fill with water.
17. Inspect for leaks and repair as necessary.

#### **OPERATION:**

18. The humidifier will resume normal operation.
19. The control panel will automatically detect the presence of the new drain valve.
20. The control panel will initiate a drain and flush cycle every 12 hours.
21. This will reduce the amount of mineral build up inside the water bin, and extend the life of the heater element and optimize performance.
22. The automatic drain kit does not take the place of routine manual cleaning, preventive maintenance and storage shutdown.
23. A properly installed drain kit, and regular preventive maintenance and cleaning, will keep your power steam humidifier working for many years.
24. Contact the Autoflo technical support line if you have any questions or need assistance.

FIG. 8



**EWC**®  
**CONTROLS INC.**

385 Highway 33

Englishtown, NJ 07726

www.ewccontrols.com

e-mail: autoflo@ewccontrols.com

Tel. (800) 446-3110

Fax: (800) 635-8646

Tech. (800) 526-4048