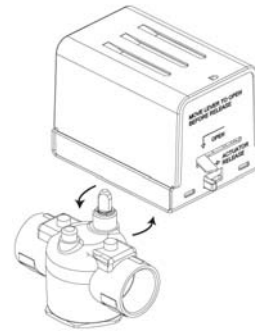


**DESCRIPTION:** #90-4412 Blowdown Automatic N/O Large Classic/Standard  
#90-4420 Blowdown Automatic N/O Classic/Standard

An Automatic Blowdown flushes the system each time the unit is turned off, allowing clean water to enter the tank for each new use.



**Image A**

## INSTALL

1. Units purchased with Factory Installed Automatic Blowdown skip 2-7 and proceed to CONNECT section below.
2. Remove 1/2" Stainless Steel Cap.
3. Apply Teflon tape to pipe threads.
4. Detach upper portion of blowdown valve (Image A), to allow for easier installation.
5. Attach lower half of valve to heater tank pipe.
6. Re-attach upper portion of blowdown valve to lower (Image A).
7. Connect the two wires on the valve to the two wires provided.

## CONNECT

1. With 1/2" pipe, connect Automatic Blowdown valve to approved drainage area. Piping must be pitched down away from Steam Generator. The water will drain by gravity. **WARNING: Improper draining due to sediment build up would result from an upward pitch.**

**REFER TO LOCAL PLUMBING CODES FOR RECEPTOR OR VENTING REQUIREMENTS  
DO NOT PLUMB THE BLOWDOWN LINE TO THE STEAM LINE OR INTO THE STEAM ROOM**

## OPERATION

1. Automatic Blowdown is a two position spring return valve designed to electronically drain the water from the heating tank.
2. Every time the generator shuts off the Automatic Blowdown drain valve will open removing the water from the tank, keeping stagnant water from sitting between uses, giving the generator a longer life and reducing the amount of required maintenance.

## TEST

1. To insure proper installation and connection of Automatic Blowdown you must test the functionality.
2. Once all connections are complete, turn on the generator allowing the heating tank to fill with water.
3. Once the heating tank is full of water, shut off generator immediately. It is **NOT** necessary to wait for the unit to produce steam.
4. After the generator is turned off the water should drain out.
5. If the test is not successful, turn off the main circuit breaker forcing the Automatic Blowdown drain valve open. Verify that the water does not back up or splash out.
6. If unable to correct problem contact Steam-Whirl Products Technical Support at 800-232-7832

**READ AND SAVE THESE INSTRUCTIONS**