

# VAC-ALERT MODEL VA-2000L OR VA-2000S DRILL AND TAP INSTALLATION INSTRUCTIONS

## Materials and Tools Needed:

- (1) 1" Diameter x 4" Long Schedule 80 PVC Pipe Nipple
- (1) 1" Slip x 1-1/2" Slip Schedule 40 Reducer Bushing
- (1) Teflon Tape
- (1) 1-1/8" Diameter Hole Saw with Arbor and Center Drill Bit
- (1) 1" Diameter Pipe Tap
- (1) Battery Powered Drill and Channel Locks



### STEP 1:

Take the 1" x 4" Schedule 80 PVC pipe nipple and cut the nipple 1-3/4" from one end. This cut will produce a 1" thread x 1" slip adapter. The other end of the remaining section of the pipe nipple can be used to make a second adapter. Apply Teflon tape to the threaded end of the cut adapter.



The slip end of the cut adapter is to be solvent welded into the 1" slip opening of the 1" Slip x 1-1/2" Slip Schedule 40 Reducer Bushing.

### STEP 3:

Clean the hole and use the 1" pipe tap to internally thread the inside of the 1-1/8" hole. Thread the Reducer Bushing Assembly into the 1" threaded hole. Be careful to make sure the bushing is in contact with the fitting so the 8 lbs. weight of the SVRS unit is resting on the pipe and not supported only by the nipple.



### STEP 2:

Find the main drain suction line and locate the installation site of the Vac-Alert SVRS unit based on the instructions included with the unit. The location of the drill and tap for the SVRS unit installation must be at the junction of the main drain pipe line and an elbow or coupling. The 1" diameter drill and tap can be accomplished on PVC pipe sizes from 1-1/2" diameter and larger.

Isolate the main drain line to prevent water flow from the piping system. Drill a 1-1/8" hole on top of the elbow or coupling, centered 7/8" from the slip end of the fitting. The hole should be drilled to cut through the slip end of the fitting, and to cut through the slip end of the pipe for added thread depth.

### STEP 4:

Solvent weld the Vac-Alert SVRS unit to the Reducer Bushing. Make sure the orientation of the Vac-Alert SVRS unit is where it can be easily viewed and accessed for testing and adjustment. Once solvent welded, the SVRS unit can be removed if needed by unthreading the unit from the piping system. Once installed, be sure to test the SVRS unit three (3) times in accordance with the instructions included with the unit.

