

WV-1 Auto-Drain Kit Installation

The auto drain will eject tank condensation each time air pressure is applied and removed from the pilot port. Typically, this occurs when the compressor loads and unloads or starts and stops. The amount of liquid expelled depends greatly on cycle time, humidity, and operating pressure.



FIG. 1



FIG. 2



FIG. 3

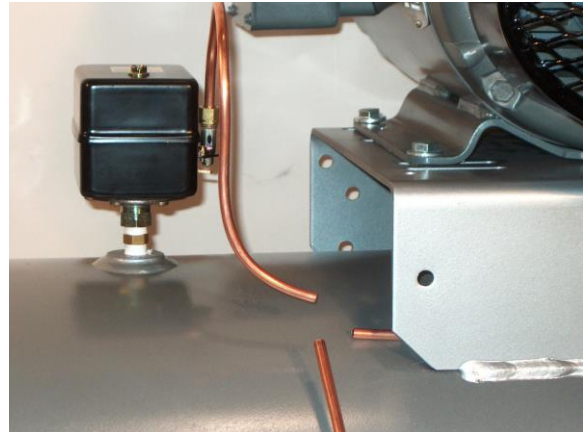


FIG. 4

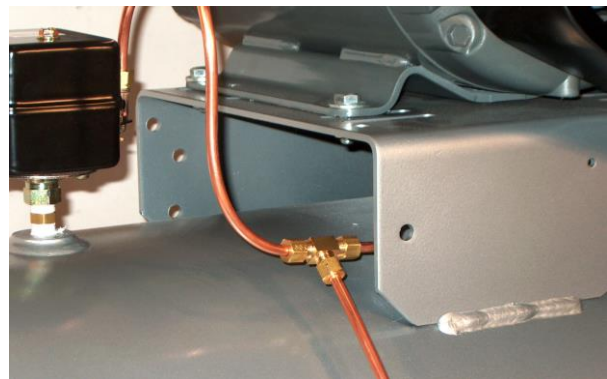


FIG. 5



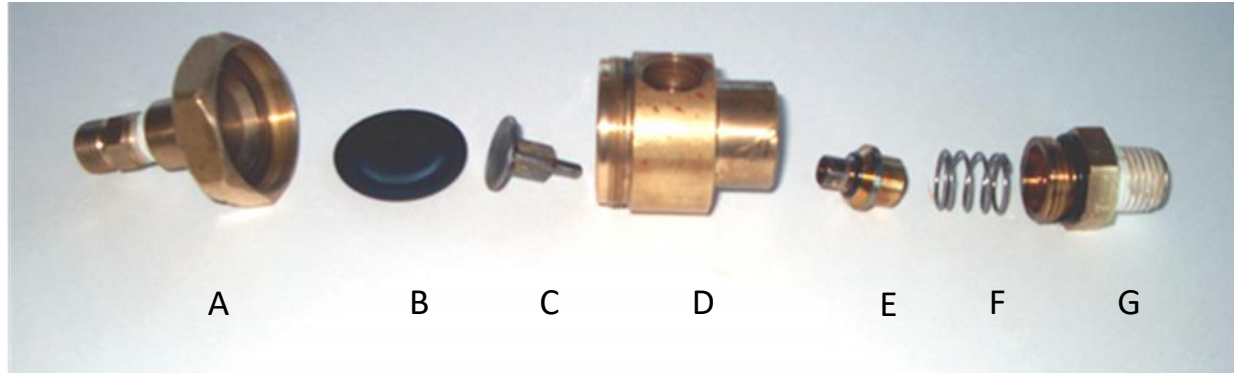
Installation Instructions

1. Disconnect electric power from the unit.
2. Shut the main air line valve and bleed all compressed air from the receiver.
3. Remove the existing manual tank drain. (FIG 1)
4. Install the new WV-1 drain valve assembly. (FIG. 2)
5. Install the ¼ inch copper tube supplied with the kit. (FIG. 3)
6. Cut the existing ¼ inch copper tubing between the check valve and the pressure switch unloader valve. (FIG. 4)
7. Install the Tee fittings to connect all three copper tubes. (FIG. 5)

The installation is now complete.

Maintenance Instructions

Tanks rust from moisture build-up, which weakens the tank. Fast moving air will stir up dust and debris, which might clog or block your auto drain. That is why it is important to clean your auto drain if it sticks open or closed.



1. Disconnect electric power from the unit.
2. Shut the main air line valve and bleed all compressed air from the receiver.
3. Remove the auto drain.
4. Remove the 1/8-27 NPT Female pilot. **(A)**
 - a) Remove the rubber stopper **(B)** and ensure that there is an open-air passage. **(A)** (If there is not an air passage, the piece is blocked, and you require a new one.)
 - b) Clean all pieces (pilot, rubber stopper and piston.) **(A, B, C)**
5. Unscrew the 1/4-18 NPT male **(G)** from the 1/4-18 NPT female. **(D)**
 - a) Clean all pieces (inlet, outlet, spring and piston). **(D, E, F, G)**
 - b) Ensure that the outlet screen is clean and free of debris. **(G)**
6. Put all pieces together using Teflon on fittings and reinstall on compressor.

(To clean pieces, use a cloth with some “WD40” or other lubricant.)