

Installing the 200 Series OAM Purger on Chillers with Atmospheric Oil Sump

The OAM Purger utilizes system refrigerant pressure to push distilled oil from the OAM vessel to the chiller oil sump. Therefore, in order to prevent refrigerant loss to the atmosphere it is necessary on a chiller with an atmospheric oil sump to collect recovered oil in an auxiliary container isolated from the atmosphere.

The auxiliary vessel must be suitable for containing the refrigerant type used in the chiller, ideally a large refrigerant recovery cylinder. The vessel or cylinder must be plumbed as illustrated in Figure 1.

It is crucial that a vent line (as shown in figure1) be connected between the oil collection vessel and the chiller evaporator. Without this vent line the collection vessel will become pressurized preventing proper operation of the OAM Purger.

In this arrangement distilled oil will collect in the oil collection vessel where it is held temporarily until manually returned to the chiller's oil sump.

It is up to the installer to determine what method will be used to determine when it is time to empty the oil collection vessel and how this is to be accomplished.

The above information is provided as a suggested method of applying the OAM Purger to chillers with atmospheric oil sumps. Other methods may be devised and applied. The responsibility for materials and method used is exclusively the installers. Redi Controls, Inc. assumes no responsibility or liability for either the material used or method of installation nor any resulting damage or refrigerant loss resulting thereof.

