

Purging the Oasis CH50 and DM12 coolant system

For the Youtube video instructions on this procedure go to:
<https://www.youtube.com/watch?v=OtQFYb6WdJ0>

The Distribution module contains two valves with ½”NPT connections to be used for filling the heating loop. To initially fill up and bleed the air out of the system, do the following:

Materials 5 Gallon bucket, Self Priming 120 VAC pump, 3/4" hose and Clamps.

Propylene Glycol antifreeze of the same brand already in the system. DO NOT mix the coolants. Ask the manufacturer of the coach which brand is in the system.

1. Connect a 3/4" hose to the outlet of a diaphragm pump and to the “filling inlet” valve on the distribution module. Attach a hose to the inlet of a diaphragm pump and place the hose in a container filled with a 50/50 mixture of propylene glycol and water. (see Figure 1).
2. Connect a hose to the “filling outlet” valve on the distribution module and place the other end of the hose in the same container. Keep these hoses apart so the suction hose does not suck in air from the return hose.
3. Open both valves on the Distribution module.

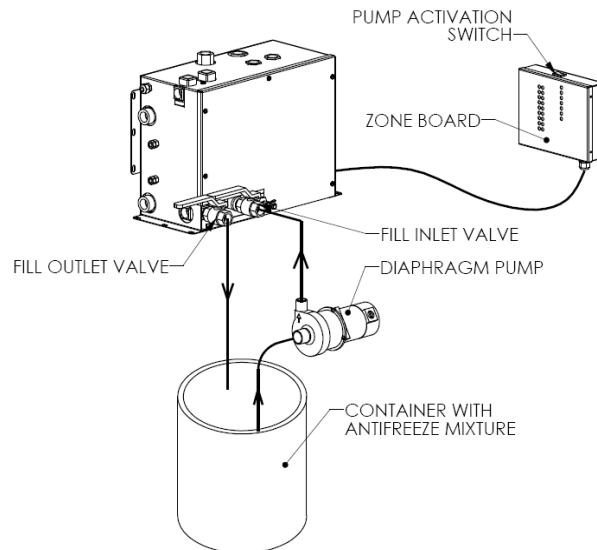


Figure 1: Initial fill up Oasis system

4. Turn ON the diaphragm pump. This will prime the pumps in the Oasis Distribution Module. It may be necessary to fill up the container with more coolant as the air is being bled from the system. It may also be necessary to clamp off one of the two heating loops at a time so the fluid will be forced through each loop and not take the easiest path of resistance.
5. Once the coolant in the container remains at the same level and there appears to be no air in the return stream from the filling outlet hose turn on the pump bypass activation switch, located on top of the zone box, this will activate the pumps inside the distribution module and fill up both heating loops. This could take up to 20 minutes. We do not want to run the pumps inside the distribution module dry as they overheat quickly and be ruined or the life of the pump will greatly be reduced.
6. Leave the priming pump and DM12 pumps running for another 5 to 10 minutes. close the valves on the distribution module and stop the diaphragm pump.
7. Again once the coolant in the container remains at the same level and there appears to be no air in the return stream from the filling outlet hose
8. Turn off the pump activation switch and the self priming AC pump.
9. The Oasis heating system is ready to be operated.