

## GENERAL

- Heat pump must **not** be powered on before filling & venting.
- Filling loop is connected on the heat pump side of the Dirt Mag.
- Connect hose from Dirt Mag drain to a waste pipe.
- Close the valve on the Dirt Mag (heat pump side) and open the filling loop.

### RADIATORS

- Close all radiators other than the **nearest** radiator to the heat pump.
- Open the radiator, heat pump, back up heater and GreenComfort vents.
- When radiator and lines are filled/vented, turn off radiator and move forward to the next radiator.

or

### UNDERFLOOR HEATING

- Close all circuits other than the **nearest** circuit to the heat pump.
- Open the manifold, heat pump, back up heater and GreenComfort vents.
- Once the circuit and lines are filled/vented, turn off circuit and move forward to the next circuit.



1. Open the valve in the DirtMag and close the filling loop
2. Power on the ModulAIR - login to "Installer Menu" and run "Purge cycle" for its duration.
3. Power off the ModulAIR.
4. Insert the Fill & Flush connection kit to the Dirt Mag Plus and connect the pump station.

### RADIATORS

- Close all radiators other than the furthest radiator from the heat pump.
- Flush this radiator then close it off and move back to the next radiator.
- Repeat steps until complete.
- Remove the fill & flush connection kit and replace.

or

### UNDERFLOOR HEATING

- Close all loops other than the furthest loop from the heat pump.
- Flush this then close it off and move back to the next loop.
- Repeat steps until complete.
- Remove the fill & flush connection kit and replace.



1. Add inhibitor using the Dirt Mag.
2. In "Installer Menu" go to the "Hydraulic Commissioning" menu and select start.
3. Allow to run until flow temperature is up to desired temperature (40-45°C).

### RADIATORS

- Use an infrared thermometer or thermal imaging camera to read the radiator temps.
- Open up the flow connection valve to full on the radiators.
- Adjust the return valve on the radiator so as **ALL RETURN** temperatures are the equal.
- Once complete place the hand wheel on the flow valve and the lock shield on the return valve.

or

### UNDERFLOOR HEATING

- Remove any manifold actuator heads.
- Referencing the UFH design adjust flow setters to obtain the required flow to that zone.
- Once adjusted and balanced replace the actuator heads on all circuits.

