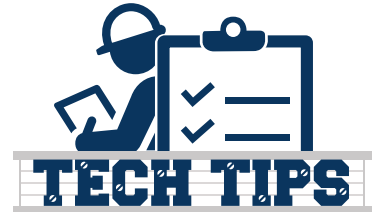


# ODYSSEY AIR HANDLER – WET FILTERS OR CONDENSATE MANAGEMENT

Wet filters or water dripping off the evaporator coil before it reaches the drain pan can lead to indoor air quality issues, water damage or equipment wear. Use the following checklist to troubleshoot and resolve many of these symptoms on Odyssey air handlers.



**Check airflow.** Confirm airflow is between 320-480 CFM per ton within its rated static pressure range. Remember that high/low airflow can cause water to blow off the coil or drip directly onto the filters before draining. In addition, excessive static pressure can pull water from the drain trap, preventing condensate from clearing the pan.

**Verify refrigerant performance.** An improper charge can affect both coil temperature and condensate behavior.

Use the frost test method:

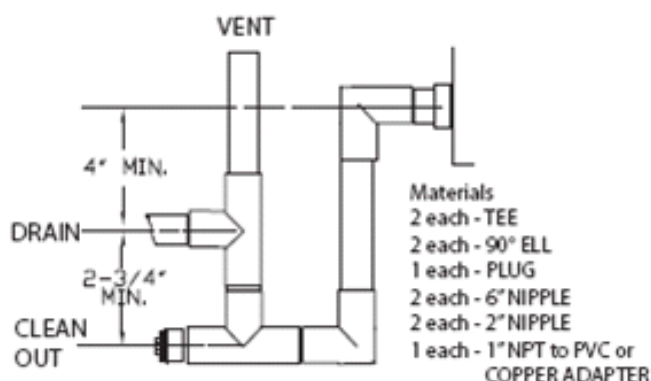
- Run the unit without airflow for several minutes.
- A uniform frost pattern indicates balanced refrigerant flow.
- A warmer circuit may indicate restriction, leading to uneven condensation and dripping.

**Adjust blower off-delay.** Extend the blower run time by 60-120 seconds after compressor shutdown to clear any remaining condensate. Many digital thermostats support this feature. Alternately, install a field-supplied fan delay relay if needed.

**Clean the evaporator coil.** Promote even condensate flow into the drain pan through a complete cleaning. Manufacturing oils can remain on the coil and cause water to bead instead of running off. In application-specific environments (e.g., plastic manufacturing or grow houses), airborne contaminants can reduce surface tension, increasing the chance of drip.

**Inspect the drain system.** Inspect the drain pan for cracks, blockage or poor alignment while also ensuring the air handler is level to allow proper drainage. Then, verify that the trap is installed properly (see IOM).

**Figure 15. Typical Drain Trap Assembly**

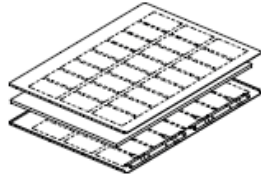


**Check coil orientation.** For TWE126/150 and TWE156/180 in vertical upflow, verify that the evaporator coil is correctly oriented. Refer to the IOM for model-specific guidance.

**Consider a drip kit or auxiliary drain pan.** If condensate still bypasses the pan, install a drip kit. You can refer to this Drip Kit Installation Guide: ACC-SVN114E-EN.

## Installation Instructions

### Condensate Drip Kit



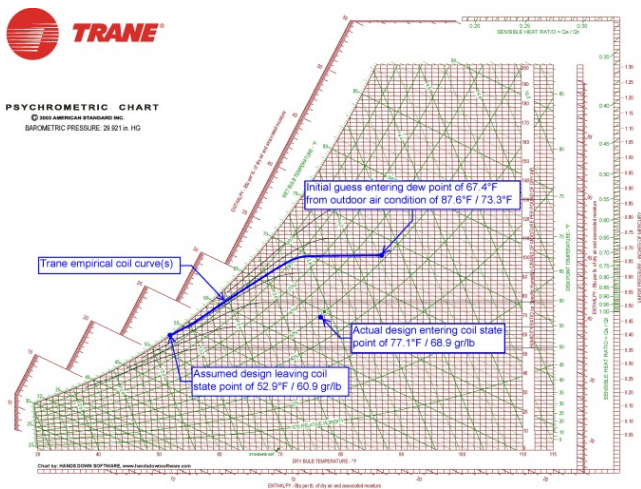
Model Number:	Used With:
BAYDRKT006	TWE051/060
BAYDRKT007	TWE072/076/090
BAYDRKT008	TWE101/120
BAYDRKT009	TWE126/150/156/180
BAYDRKT010	TWE201/240/251/300

Use a purchased or field-fabricated auxiliary drain pan as a secondary safeguard.

#### Note on Excessively High Space Humidity

High humidity loads can raise the space dew point above the air handler's supply air temperature. This can cause condensation on internal surfaces, as well as overwhelming the coil's ability to lead that condensate into the drain pan.

Remember to always consult the Installation and Operation Manual (IOM) for specific installation details and service guidance.



For questions, contact Munch's Supply's Technical Support Department at (815) 215-5020.