



# F.Y.I.

TEMPERATURE CONTROLLERS... PORTABLE CHILLERS... CENTRAL CHILLERS... PUMP TANK STATIONS... TOWER SYSTEMS...

**SUBJECT: CONDENSER AIR FILTERS ON PORTABLE CHILLERS**

**FYI #336 11/23/2022**

A clean condenser on air-cooled portable water chillers is critical.

## A Clean Condenser = Unrestricted Heat Transfer

Restricted air flow across the condenser coils can result in :

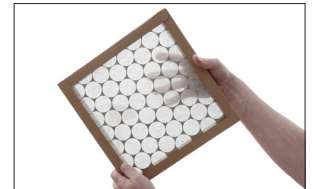
- Loss of chiller capacity
- Difficulty running in warm weather
- Fan motor overheating

The best defense against a dirty condenser is an air filter. Disposable fiberglass filters with a MERV rating of 2 - 3 or Advantage supplied filter material is recommended.

Condenser screens with filter material are available as an option on all Advantage portable water chillers using using a fan for air movement and standard on units using a blower. Below are several examples.



Detail of MERV 3 filter enclosed within a condenser screen.



Samples of filter material with a MERV rating of 2 - 3.

MGD-10A shown with optional condenser screen and filter material.



MG-2A shown with optional bracket and slide in filter.



M1-1A shown with optional condenser screen and filter material.



MG-30A shown with filter material in metal frame, a standard feature on all units using a blower for air movement.

