

MULTISTACK®

Originators. Innovators. Never the Imitators.

Filter Strainers: Increase Energy Efficiency, Reduce Maintenance Cost

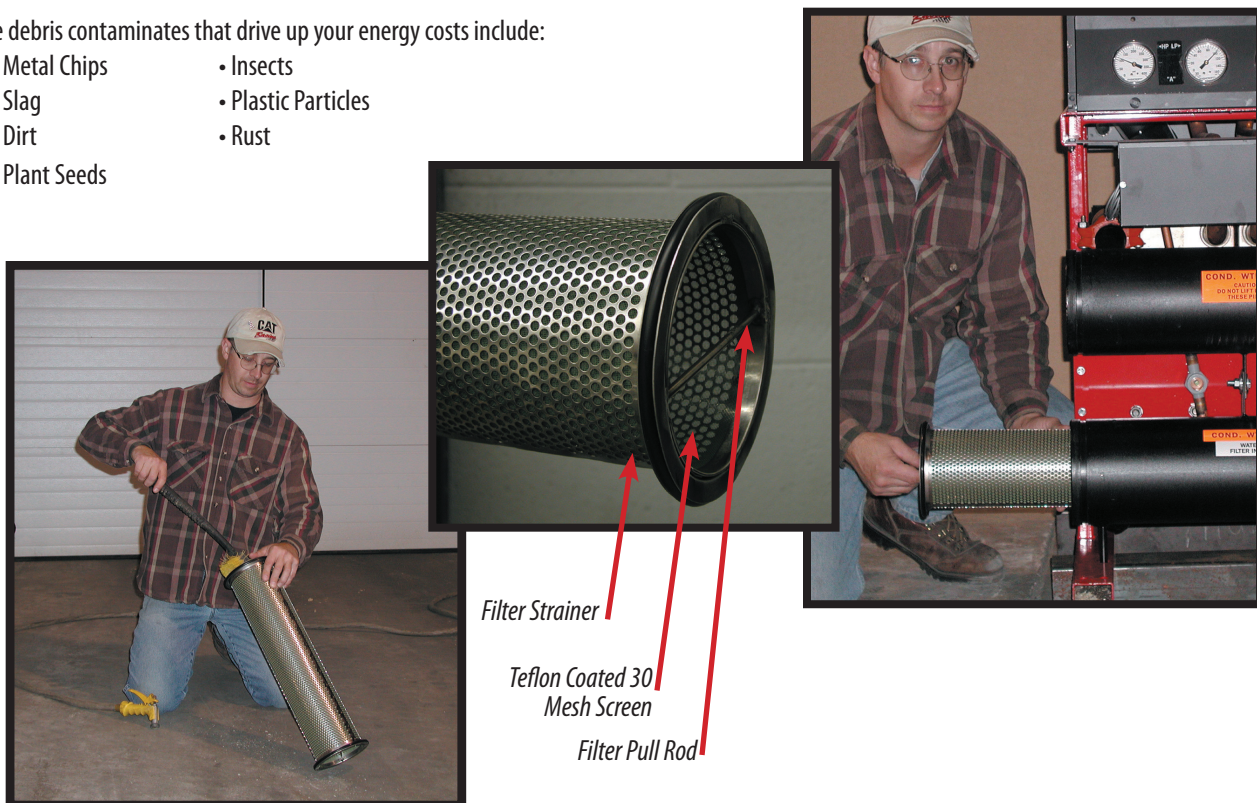
MULTISTACK Chiller Supply Header Filter Strainers*:

The 316 Stainless Steel Strainer with a Teflon coated 30 mesh screen is designed to provide protection to the brazed plate heat exchanger. This lining prevents harmful debris contamination that leads to higher energy costs.

- MULTISTACK chillers with filter strainers provide 7 - 13 times more surface area than the alternative "Y Basket" strainers.
- Teon coated filter strainers are now standard equipment in all MULTISTACK modules.
- The pressure drop increases by only 7% on a five module chiller.

Possible debris contaminants that drive up your energy costs include:

- Metal Chips
- Insects
- Slag
- Plastic Particles
- Dirt
- Rust
- Plant Seeds



Cleaning Procedure

1. Remove the filter strainers from the header and spray it with a normal hose. With a mild household detergent, simply wash the mesh screen until the debris is removed.
2. MULTISTACK recommends cleaning at the end of each cooling season or whenever the refrigerant discharge pressure gauge exceeds 40 - 50lbs above normal operating conditions. We also recommend cleaning the chilled water filter strainers when the evaporator is operating at 52 psig or 10-12 psig below normal.

Note: Refer to the MULTISTACK Installation Manual for instructions on cleaning the system prior to installing the Multistack Chiller.

3. For normal air conditioning application 55 - 45°F entering and 105°F condensing, the optimal operating conditions are: 60 - 62 psig suction, and 200 - 212 discharge pressure.

Note: Operating conditions vary depending on the application, temperatures and flow rates.

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