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ADVANCED ENGINEERING GUIDE

Maintaining supermarket cabinets

Use this step-by-step guide to clean and maintain cabinet coolers found in food retail. In this environment you are likely to encounter all sorts of contamination left by foodstuffs, including the thick slime that develops in the base of the unit.



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Benefits of procedure:

Performing this procedure as part of your regular maintenance schedule comes with a number of benefits.

By clearing any slime from the condensate line and then leaving antibacterial protection in situ, the unit should remain free of blockages - removing the number one cause of call outs on this type of system.

Also, the efficiency of the heat-exchange coil is critical in achieving cooling duty. If the coil is contaminated, airflow will reduce, head pressure will rise and efficiency is lost. By using an appropriate coil cleaning solution regularly, the coil can be restored to its original efficiency.

Apply **DrainSafe**® to dissolve any remaining contamination in the drain line. For pumped systems, ensure pump and suction/discharge lines are clear of sludge.

Recommended products:

Advanced Engineering recommends the following chemical solutions for this maintenance challenge:

- **CoolSafe**® Concentrate
- **DrainSafe**
- **Jally**® Strips

Note: Advanced Engineering follows a policy of continuous product improvement.

For this reason, some materials and specifications could change without notice.

Recommended procedure:



1. Vac. 2. DrainSafe - Condensate drains.

Vac out the drains using a wet/dry vacuum to remove any slime.

Pour **DrainSafe**® down the drain inlet to dissolve any remaining contamination in the drain line. For pumped systems, ensure pump and suction/discharge lines are clear of sludge.

At least 500ml DRainSafe in each 1-3m display cabinet.



2. Evaporator Coil

Spray **CoolSafe**® over the coil and in and around the whole drip tray area. Leave for 5-10 minutes and rinse thoroughly.

If appropriate, a pressure washer can be used to rinse away physical debris.

1L CoolSafe: 4L of water dilution. The amount of product needed per 1m of heat exchanger is 1.5L of diluted product. However, if the dirt on the coil needs more, then apply accordingly.



3. Condensate Tray

Use **Jally**® Strips. Use 1 strip per every 1m of condensate tray. Consult with Advanced Engineering on the exact position of the strips.



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