



FIELD NOTICE

Date: June 22, 2010

Field Notice Number: 301-F10

Models or Product Affected: Cruisair Tempered Water & Marine Air Chilled Water Systems

Recipients: Dealers, Master Dealers, Distributors, OEMs, Manufacturer's Reps

POLICY CHANGE:

Antifreeze Is Mandatory In Tempered Water/Chilled Water Systems

In the past we have made antifreeze a strong recommendation. Due to the history of failures caused by field mis-wiring, defeated safety controls and continuous resetting of safety shut downs, we feel it is necessary to change our policy. Effective immediately, Dometic's policy is that non-toxic antifreeze solutions are mandatory for all Cruisair Tempered Water and Marine Air Chilled Water Systems.

Please note that this applies to ALL tempered water/chilled water applications, regardless of climate. Failure to comply with this policy can lead to catastrophic damages to your system and possibly the vessel and may also compromise the warranty of system.

Requirements for Antifreeze Solutions

- **The antifreeze solution used must have a freezing point not greater than 20°F (-6.7°C).** This typically corresponds to a solution of 16% propylene glycol by mass. Propylene glycol concentration greater than 20% by mass should be avoided because it will adversely affect heat transfer and water flow.
Freezing points greater than 20°F (-6.7°C) reduce protection against freeze failures and may void the warranty.
- Use only a non-toxic antifreeze solution.

Please check with your antifreeze supplier for more information on proper application of their product, ratio required to achieve the desired 20°F (-6.7°C) maximum freezing point, material compatibilities, safety, etc.

Monitor Protection Levels

The antifreeze protection level must be monitored annually and whenever water is added to the system. Use a refractometer to measure the antifreeze concentration. Additional antifreeze must be added as required to maintain a freezing point not greater than 20°F (-6.7°C).

Dometic recommends the ATAGO Digital Coolant Refractometer (PAL-89S or PAL-88S for Propylene Glycol, available at www.amazon.com or www.mitchellinstrument.com) or equivalent accuracy.

Dometic Marine Headquarters

2000 N. Andrews Ave. Ext. • Pompano Beach, FL 33069-1497 USA • Phone: 954-973-2477 • Fax: 954-979-4414 • www.DometicUSA.com
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