

RUST AND SCALE REMOVAL FROM FREEZING SURFACE

Depending on the incoming water supply quality, all ice makers may experience scale buildup on the freezing surface that can affect the ice removal process. In addition, for carbon steel ice makers a significant buildup of rust will also affect the removal process. Although the freezing surface can be cleaned with a chemical or commercial scale remover, if extreme caution is not exercised, the drum may become etched resulting in a worse situation.



A much simpler and safer method is the use of a coarse grade steel wool.

To clean the freezing surface, the steel wool is packed in front of the ice removal tools. A tarp should also be set below the ice maker drop to catch and contain any debris that will fall during the cleaning operation.



The ice maker is then run without refrigerant to allow the steel wool to pack itself between the ice removal tools and the freezing surface to polish the freezing surface. The water pump can be turned on to wash the drum and minimize dust buildup. The water tank should be flushed frequently during the cleaning to minimize the amount of debris and particles being circulated through the water pump to minimize wear.



After cleaning, the rotor can be rotated reverse direction to allow the steel wool to fall out. This can be done by hand rotating the large pulley mounted on the speed reducer.

