

# Scotsman®

## NW Modular Cuber (Freestyle Mounted Units)

### Sanitizing, Drain Down (for Storage) & Start Up Procedure

Hubbard Systems – 01473 350045

Revision – 24/03/2020

**The following instruction is to be performed by 'Trained Engineers' only !!**



Note - This document is to give the preferred instructions as to how cleaning and sanitising of the modular ice machine is completed. This does not replace the instruction given within the full service manual, but to assist and supplement it. Cleaning should only be undertaken by competent or trained personnel.

**Note - Good hygiene working practice should be undertaken before and during any cleaning regime.**

**NW - SANITISING OF THE WATER SYSTEM / Draining Down /  
Water Filter Drain down / Start Up process.**

Switch ON the machine from the main switch and OPEN the water tap

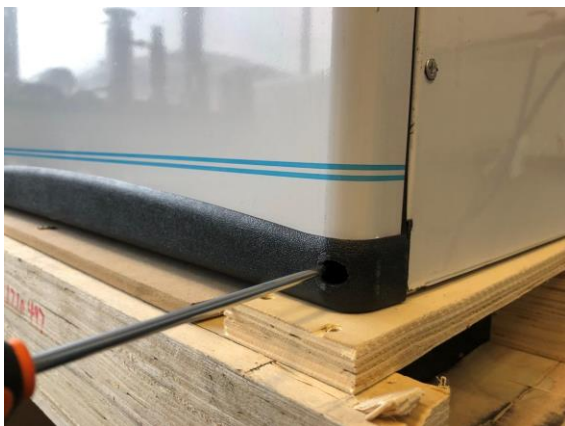
**OPEN WATER SUPPLY**



**TURN ON ELECTRIC SUPPLY**



**Remove Unit Front Panel**



## 'Mothballing' or Unit For Storage Method

In the first 30 seconds of the START UP procedure the machine will purge water from the sump, then as water is coming into the unit pour:

**NW 508: 200 ml**

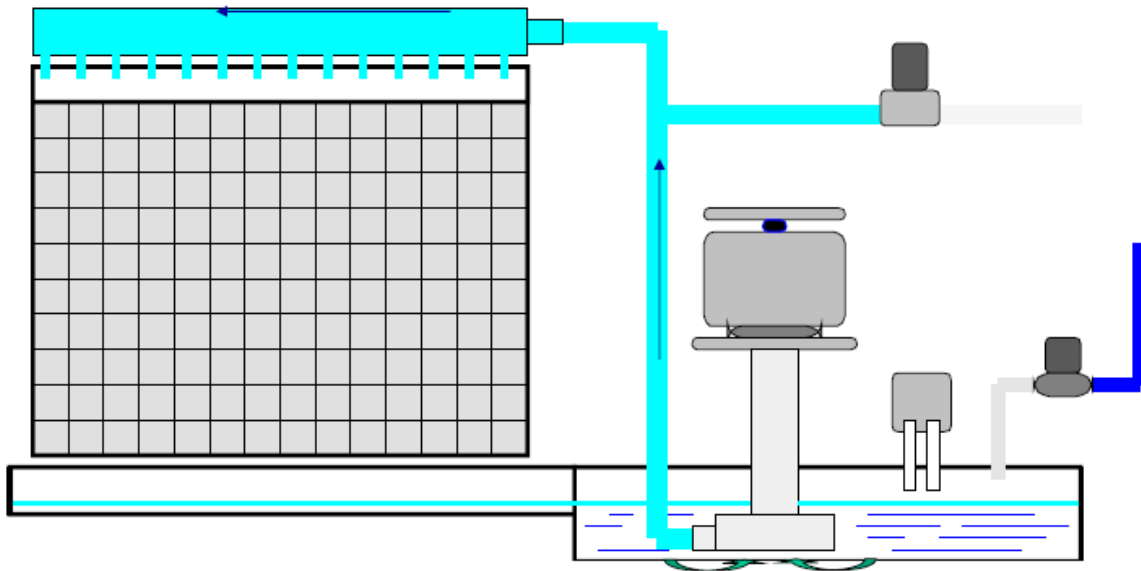
of sanitiser inside water sump while...



.....the water inlet valve will be energized till the fill up of the water sump. The water pump starts to operate



With the system in NORMAL OPERATION mode the water pump is in operation to circulate the cleaning solution in the entire water system with the refrigeration system working.

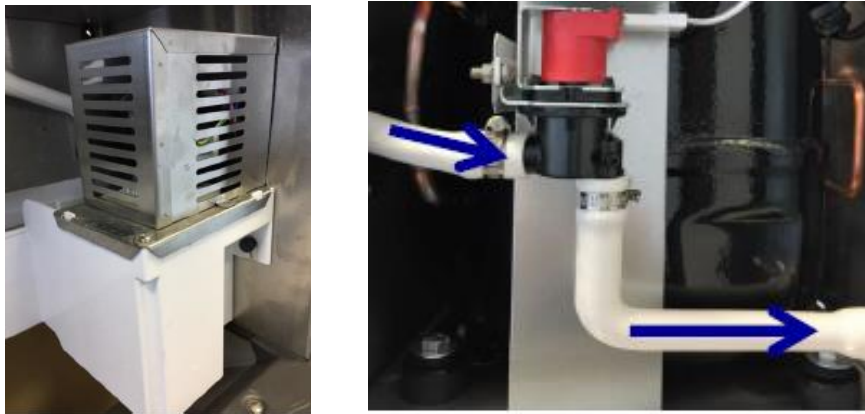


After 5 Mins of operation, turn the unit off and drain the system down.

Ensure the water sump is empty. Drain the sump by removing the drain plastic plug (if fitted)



OR, turn the unit on with the water supply isolated.



Remove the internal plastic deflector



Unscrew water pump bracket screws and remove it from the reservoir





Disconnect the water pump from its power spade connectors



Remove water pumps from the reservoir and disconnect the water discharge hose



Unscrew the two thumb screws then withdraw reservoir from its seat



Using a prepared solution, rinse and wipe down the sump chamber.



All above steps should be completed using an approved antibacterial solution (finally rinsed by fresh water) then, carefully re-assemble all removed parts.

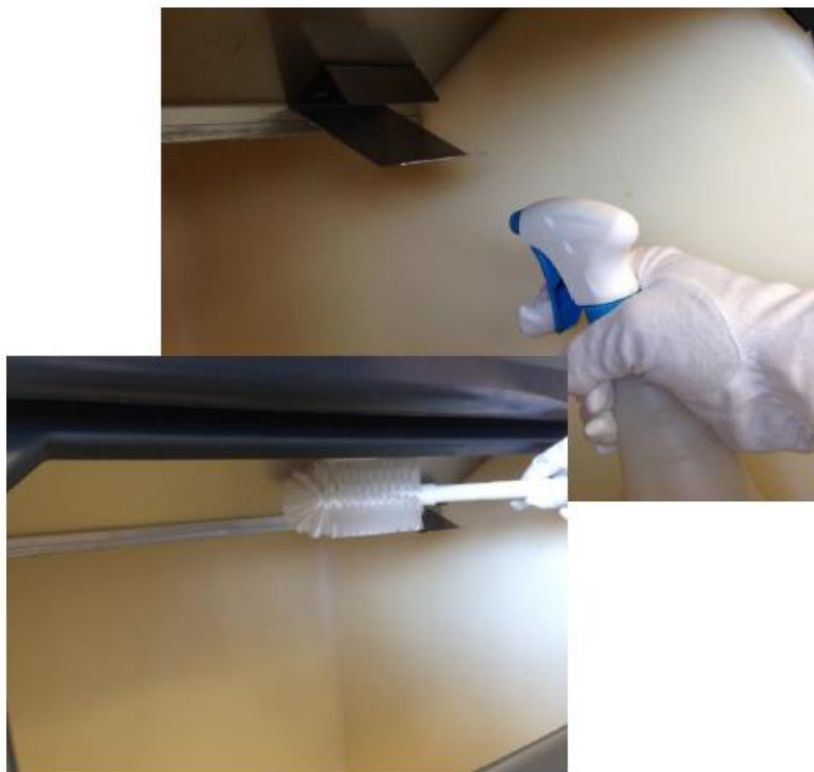
NOTE - Remove and clean any Rear mounted fitted air filter (Do not wash, but brush in a ventilated area or use a vacuum cleaner – Replace if damaged)

## **SANITISING ANY STORAGE BIN or Surfaces (If required)**

Mix in a bucket, fresh water with 10% of approved sanitizer product



Fill up a spray bottle with the diluted solution and spray around the inside of the storage bin or facility ensuring all internal areas are covered. Wipe or brush as required, all surfaces.





Note – The interior of the storage bin is holding a food products and should be sanitised to prevent contamination on a regular basis (once a week is suggested)



## WATER FILTER –

### How to change a Water filter Cartridge for a Scotsman Ice Machine



If equipment is fitted with a 'Hubbard Ice'/3M Cuno Water filter system:

To remove cartridge for change, twist slowly anti-clockwise. As unit is moving it will release and lower itself out of the 'filter' head. Some water droplets will appear as pressure is Released, this is normal. Cartridge will lower itself enough to be removed.

If equipment is fitted with a 'Hubbard Ice'/3M Cuno Water filter system:

To install replacement cartridge, Offer unit to 'head', lift & twist slowly clockwise. As unit is moving it will insert and rise itself into the 'filter' head. Some water droplets will appear as connection is made, this is normal. Cartridge will lock itself into position and become active for use.



Invert the filter cartridge over a bucket to drain any water inside it.

Disconnect the water hose off the right-hand side of the filter head and drain to a bucket to remove any water present, refit to the filter head once drained and refit the empty water filter cartridge.

On Completion of both a unit 'shut-dpwn' and draining of the water filter system, turn off the electric supply to the ice making unit and turn off the water supply.

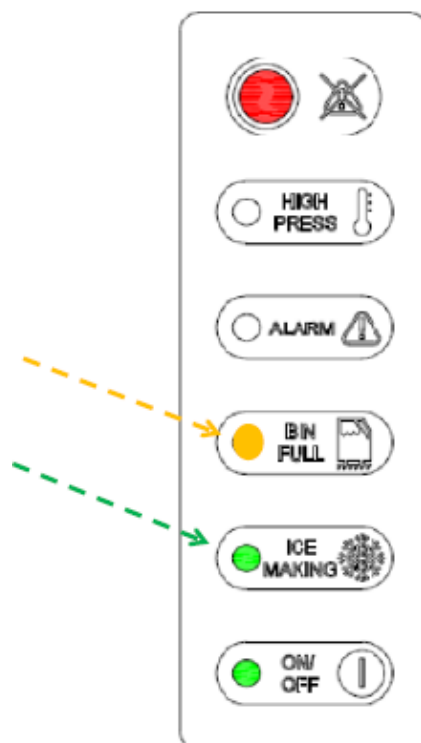
## START-UP (following a period of inactivity) –

Prior to resuming power and water to an ice maker previously shutdown with this procedure, disconnect the water inlet hose off the rear of the ice maker. Turn on the water supply and allow 4-5litres of water to flow into a bucket, this will remove any air present and potential sediment that has settled during a 'storage' period.

Reconnect the water inlet hose to the icemaker unit and turn on the unit electric supply.

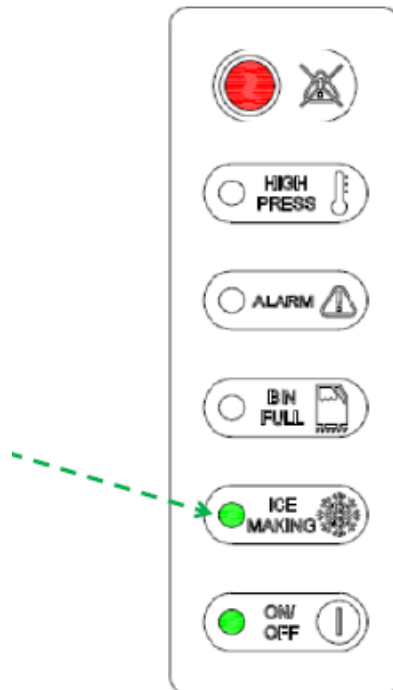
On start-up of the unit solenoids coils will be heard and water should then enter the machine and begin to fill the water tank, this will occur for the first 2 minutes.

The lighting panel will show these LED's during start up:

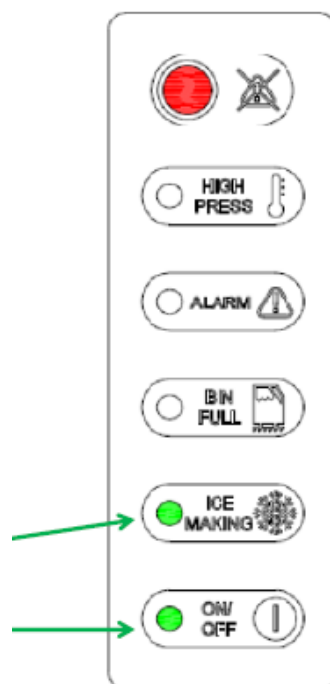


The unit will then be heard to 'drain down' and rinse the sump, then refill automatically !

This is normal for the NW range, the following LED panel will show a Mains Supply LED steady and a 'Ice making' LED flashing for 40 seconds



When the water tank is full, the machine should now start an ice making cycle (this after approx 2 minutes) with the compressor in operation.



After approximately 20 - 25 minutes, the following LED will show:



Following a short period of harvest, approx. 2 minutes, a sheet of ice should fall through the curtain and into the storage bin. The machine should then automatically refill with water and start the next cycle.

Check the Ice production. Each sheet of cubes should be relatively clear and solid with a small depression.

Any adjustments to settings for ice size should be discussed with the engineer installing the equipment or Hubbard Systems Technical Department in the first instance.