



Installation Guide for:
NU Range (Self Contained Ice machines)

Unpacking

- Remove two of the banding strips securing equipment to pallet.
- Remove cardboard carton and packaging material.
- Inspect exterior of machine for damage.

Open bin door and remove:

- 1 x water inlet tube (**XP194** supplied separately)
- 1 x drain tube complete with clip
- 1 x Ice Scoop

Check ID on rear of machine for correct voltage, e.g. 230 volt 50 hz for UK use.

Installation

Check that the following services are within 1 metre of machine location:

- Cold water supply terminated with a $\frac{3}{4}$ BSP washing machine style stop valve.
- Mains drainage with a connection point lower than the drain outlet of the machine. Connection point must be at least 1 $\frac{1}{4}$ " diameter open and trapped (similar to a domestic washing machine) with any connection made to include a suitable 'back flow' prevention device to 'EN1717'. If drain is too high, a stand or condensate pump must be used.
- 13 amp socket outlet. (Due to potential high starting current, a socket adaptor with other appliances should not be used.)

Note:

If an external condensate pump is to be used, then 2 x 13 amp socket outlets are required.

Check the following:

- Ambient temperature - minimum 10°C, maximum 40°C
- Adequate space at rear of machine for water and drain connections.
- Minimum airflow clearance requirement of 15cm to both sides of machine.

Note:

If clearance is less, ice production rate will decrease by as much as 25% due to potential overheating.

- Fit the Optional Short or Long leg kits to NU100 through to NU300
- Level equipment in both directions: left to right and front to rear.
- Fit 13 amp plug top (fitted with a 13A fuse) to equipment cable.
- Fit water inlet hose to machine. Do not overtighten.
- Fit flexible drain hose to drain fitting of machine and secure using clip provided.

Note:

Both hoses are fitted with one straight end and one angled end. Use whichever is the most suitable for that installation.

- Connect water inlet hose to water supply. Do not overtighten.
- Connect drain hose to main waste drain provided by inserting hose into upstand (similar to domestic washing machine).

Note:

To prevent drainage problems caused by loops in the hose, reduce hose length as far as reasonably practicable.

Prior to Start Up:

Inside the unit, Remove all ORANGE 'transit tapes' from areas of the water circuit, ice curtain and spray plate/bars, ensure any spray bar(s) are correctly positioned and the deflector curtain located correctly positioned in front & above of the sump chamber.

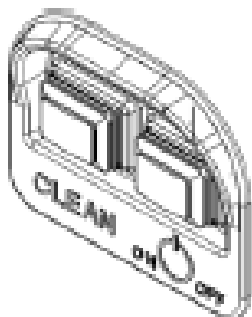
Set the ice thickness sensor to a gap of 6mm from the front of the evaporator



Start Up Procedure for Models – NU Range

NOTE – The machine's control PCB is fitted with a row of Status LED's which glow to highlight its current cycling position or should the machine stop on either 'Bin full' or through a fault condition.

- Turn on water and power supply.



The lamps on the control box



BMLX:	Ice full
ZBLX:	Freezing
TBLX:	Defrosting
SWLX:	Water Supplying
R1LX:	Water Shortage

- At this point water solenoids will energise & water will enter the machine and fill the water tank
- When the water tank is full and the water float valve has risen (after about 2-3 minutes), the machine should now start an ice making cycle (**LED 'ZBLX' will glow on the PCB**).
- After approximately 25 minutes, the machine will move into a 'Harvest' cycle (**LED 'TBLX' will glow on the PCB**) and after a short time, a small sheet of

ice will fall into the storage bin. The machine will automatically refill with water and start the next cycle.

Once ice is made, inspect the cubes in the storage bin:

- Each batch of ice should be relatively clear, in irregular cube lumps joined by an ice bridge (you will never obtain a single cube with a vertical dice ice making machine !!) a small depression of about 4 -6mm should be in the top of each cube.
- 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.

Once the storage bin is full of ice, and the deflector held in the 'open' position, the **LED 'BMLX' will glow on the PCB** to indicate 'Bin Full'. The machine will automatically resume making ice once the level has lowered in the bin and the 'deflector' returned to the upright position

NOTE - The above procedures are designed to supplement guidance given in the user handbook, not replace it.

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