



**Installation Guide for:**  
**Scotsman DXN Ice & Water Dispenser**

## Unpacking

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

Remove from the front of the dispense area:

- 1 x water inlet tube
- 1 x drain tube complete with clip

Remove top panel and check position of failsafe 'overflow' bracket (magnet & sensor should be aligned). Remove any 'transit tapes' present.

Check the 'Ice & Water dispense spouts (where applicable)' & 'base drain tray' is correctly located.

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

Remove protective film from outer panels.

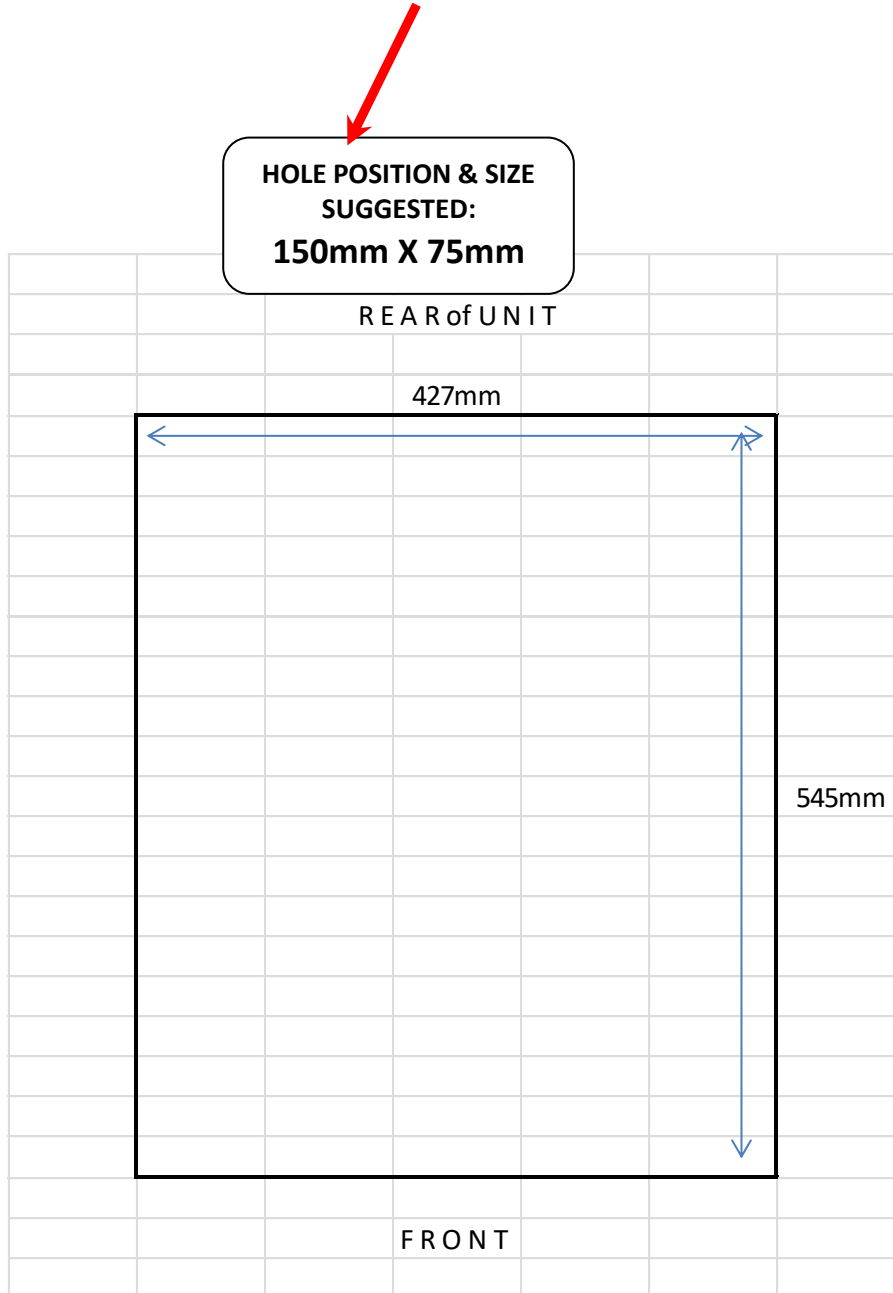
## Installation

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

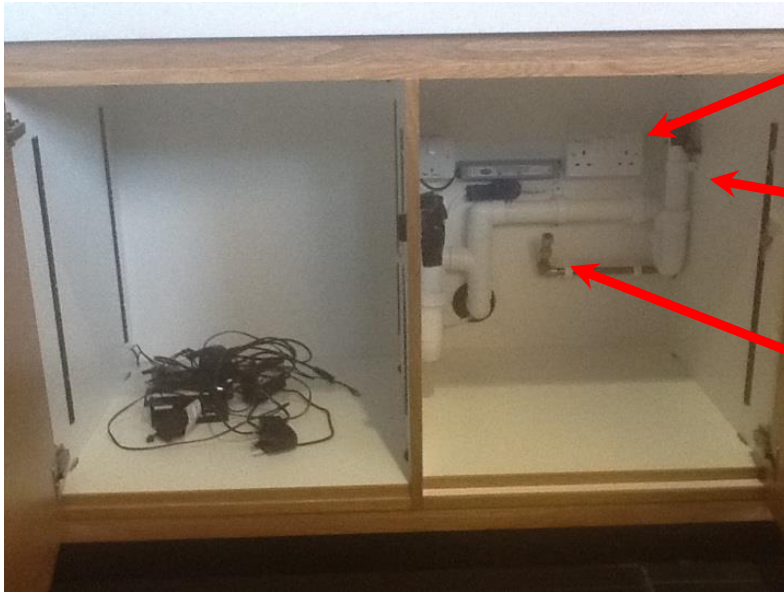


Counter top location for DXN Dispenser to have service hole cut at rear of unit location to allow Water, Waste and Electric services to be fed down into connection points underneath (\* See Next Page)

PLAN VIEW OF THE 'DXN' UNIT AND THE SUGGESTED POSITION FOR THE 'CUTOUT'  
THROUGH THE COUNTERTOP THE UNIT STANDS ON:



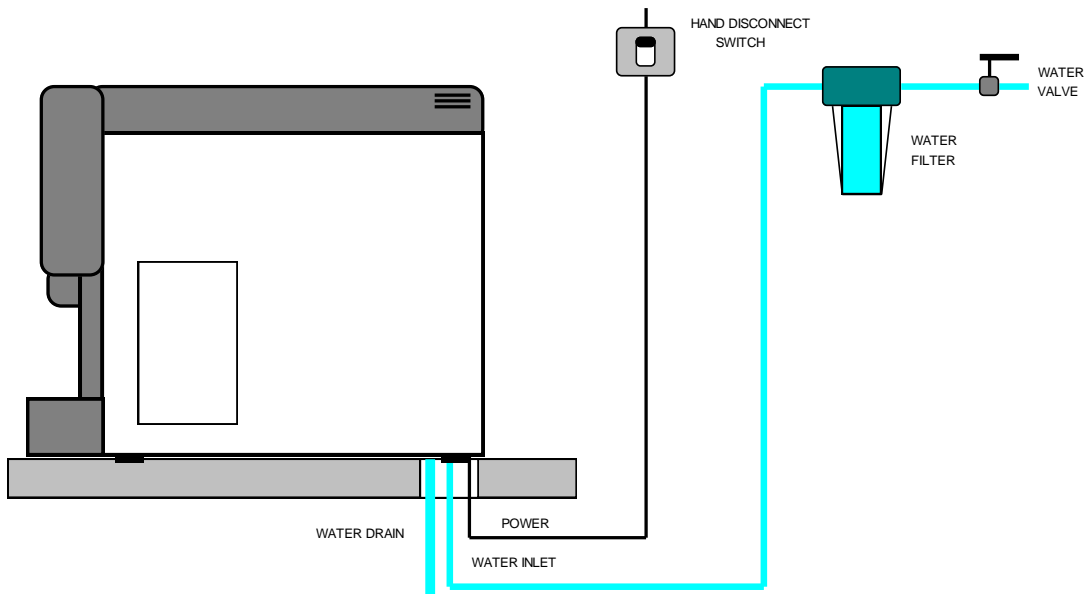
**Example of under-counter DXN service arrangement**



**Electric** – 13 Amp Twin Socket or Suitable 20 Amp Double pole fused isolator.

**Waste** – Minimum 38mm Trapped & Vented Drain, with 'Air Gap' Fitting mounted on entry

**Water** – 15mm Potable Water supply terminated with a Washing Machine 3/4BSP type isolating valve (Note, Check valve normally required prior to isolating valve)



### **Services:**

- Cold water supply terminated with a ¾ 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 ¼" 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 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 hose's are fitted with one straight end and one angled end. Use which ever 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.*

## Start Up Procedure for DXN (TFREE) Models

**A.** Open the water supply shutoff valve and turn unit on by the ON/OFF green push button, the machine will enter into a 10 minutes delay time with two complete purge and refill of the water reservoir, **dØ1** (purge time) and **dØ2** (refill time) code monitor this condition on display.

**NOTE:** Every time the unit is turned on, after being kept for some time in shut-off conditions (electrically disconnected) the delay or stand-by period will be 10 minutes. The machine will run an auto calibration of ice level control showing **FØ2** code for few seconds. Every restart from other operating conditions with the unit electrically connected it will take only 3 minutes the then start

**B.** After 10 minutes of delay time, the unit starts operating (**FØ4** code appears on display for few seconds) with the activation in sequence of the following components:

**GEAR REDUCER**

**COMPRESSOR** (after 2 seconds)

**FAN MOTOR**

Note - The Bin Empty light is ON during all start up/delay time and for the first 2 minutes of operation.

**C.** Five minutes after the refrigeration system starts, ice begins dropping down into the storage bin, ice can be dispensed as soon as the Bin Empty light disappear.

**D.** The unit will stop operating when the storage bin is full of ice and the infrared ice level control is interrupted for 10 seconds continuously.

**E.** After every 12 hours of unit operation, an automatic purge and refill of the water system to help prevent the growth of bacteria when the machine is not seen to be working for many hours (overnight and/or Bin full condition).

**F.** There is an automatic 'agitation' and dispensing of a small amount of ice if the unit remains unused for any 12 hour period.

### NOTE –

The initial 'Unit' Dispense setting is already made in factory according with the version of the unit supplied, in case of a change to the dispense method or after the install of a replacement P.C. Board you must perform the following process in order to set up the dispensing operation accordingly:

- Push the Red Alarm button on the display for 10 seconds to enter in the Program Menu,
- Use the arrows to select "F" then press ICE button to confirm
- Press arrows to select "tch" for Touch version (Pushbutton) or "tcL" for TFree Handfree version , then push ICE to confirm
- Push WATER button for 5 seconds to ESC.

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

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