



**Installation Guide for:**  
**Scotsman TC180 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 dispense spout' & 'glass 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.

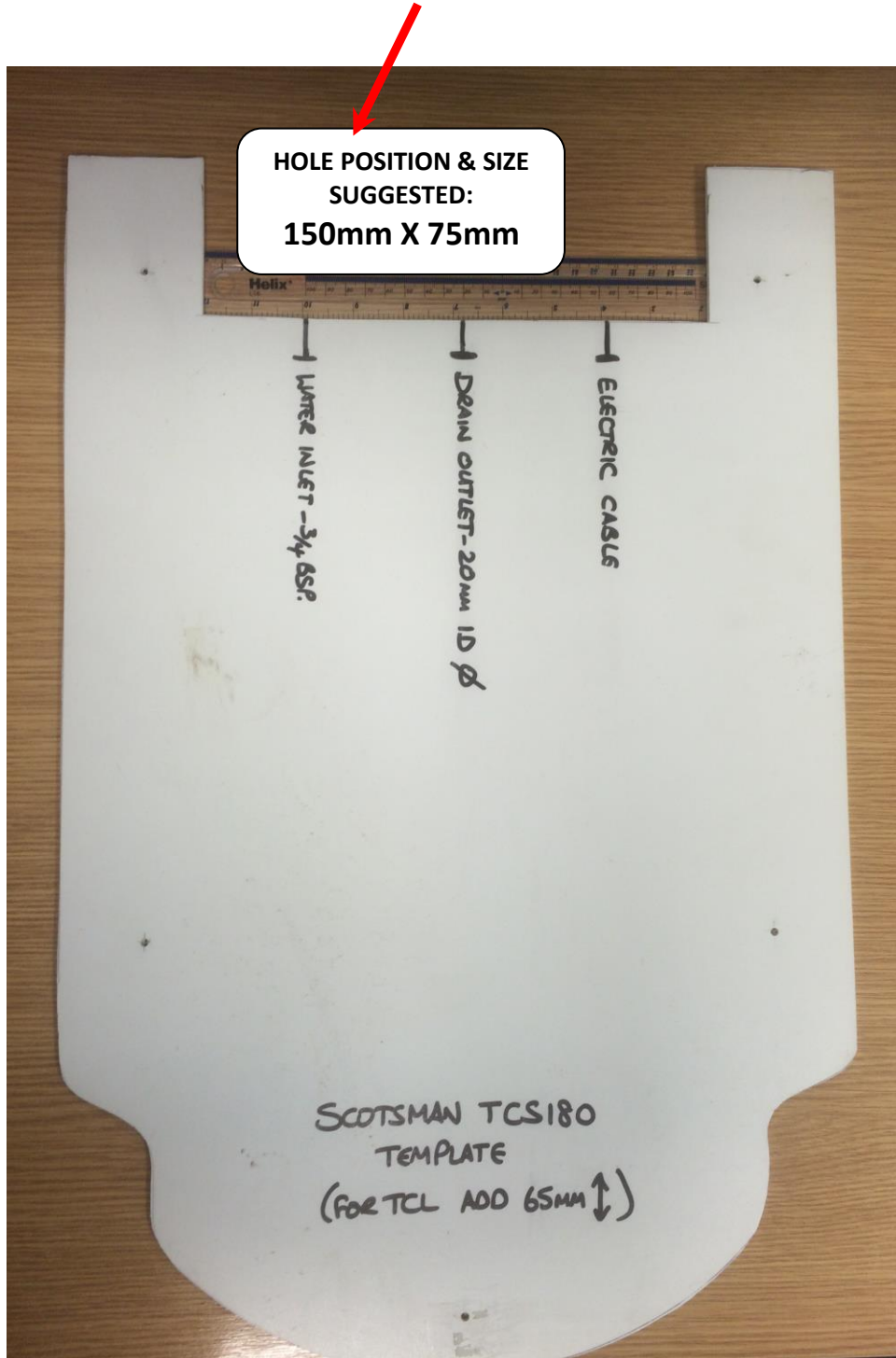
## Installation

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

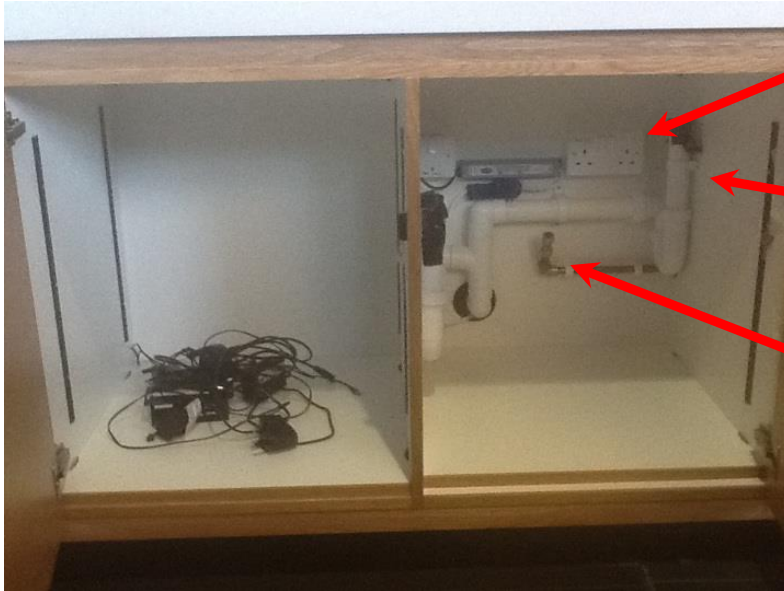


Counter top location for TC180 Dispenser to have services hole cut at rear of unit to allow Water, Waste and Electric services to be fed down into connection points underneath  
(\* See Next Page)

PLAN VIEW OF THE 'TC180' UNIT AND THE SUGGESTED POSITION FOR THE 'CUTOUT'  
THROUGH THE COUNTERTOP THE UNIT STANDS ON:



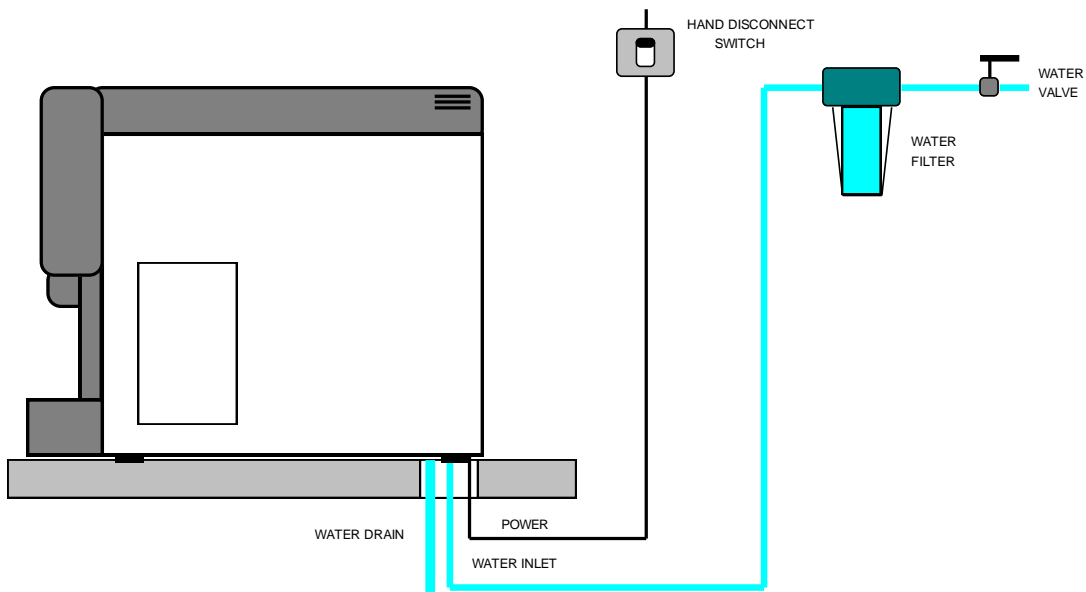
**Example of under-counter TC180 service arrangement**



**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 hoses 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 TC180 Models

- Remove the PCB inspection cover to view the LEDs of the unit
- Turn on water and power supply
- At this point, a **GREEN LED** will show and a **RED LED flash for upto 3 minutes**, water should enter the machine and begin to fill the water tank.
- When the water tank is full, the float valve will stop incoming water with any excess or overflow water possibly running out of the drain. Float may need adjusting if water continues to overflow to drain.
- The machine should start an ice making cycle (this after approx 3 minutes) with the freezer assembly then the compressor in operation.
- After approximately 2-3 minutes, ice should become visible & fall from the chute/spout area and into the storage bin. The machine will then continue to fill to the 'bin level sensor' level (approx. 1 hour for TC180)
- Any set up issues or potential adjustments to settings for ice consistency should be discussed with the engineer installing the equipment or Hubbard Systems Technical Department in the first instance.

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

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