



Installation Guide for:
All '7' Series Scotsman Self-Contained Cubers
(Electronic & R290 Refrigerant)

Unpacking

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

Open bin door and remove:

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

Remove all 'transit tapes' from ice curtain and spray plate, ensure the spray plate(s) are correctly positioned and the curtain located the right way around on the holders in front of the sump chamber.

Check the 'Sump' cap and spring are 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 within 1 metre of machine location:

- 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.

- Adjustable levelling feet are fitted to the AC/EC 47/57 and leg kits fitted to AC/EC87 through to AC/EC177.
- 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 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 that of a 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 'Electronic' AC/EC47, 57, 87, 107, 127, 177

- Turn on water and local electrical socket power supply (Note, there is no switch fitted to the front of the '7' Series units)
- At this point solenoids coils will be heard and water should then enter the machine and begin to fill the water tank, the water pump and fan motor will also begin to operate.
- When the water tank is full and excess water is running through the drain (or being pumped out on the EC versions), the machine should now start an ice making cycle (this after approx 5 minutes) with the compressor in operation.
- After approximately 20 - 25 minutes, ice cubes should fall through the curtain and into the storage bin. The machine will then automatically refill with water and start the next cycle.

Count and inspect the cubes:

- AC/EC 47 = 18
 - AC/EC 57 = 24
 - AC/EC 87 = 24
 - AC/EC 107 = 32
 - AC/EC 127 = 56
 - AC/EC 177 = 56
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- Each cube should be clear and solid with a small depression of about 6mm at the base.
 - Any adjustments to 'unit' settings for control or ice size should be discussed with the engineer installing the equipment or HTG Technical Department in the first instance.

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

HTG Trading Ltd (Hubbard Systems)
Unit 106 Claydon Business Park
Great Blakenham
Ipswich
Suffolk
IP6 0NL

T – 01473 350045

E – sales@hubbardsystems.co.uk or service@hubbardsystems.co.uk