

## HOW IT WORKS

The system is very simple and efficient. The evaporator is built up connecting together a series of reversed cups with a cooling coil. The refrigerant flows into the tubes while the pump sprays water into the cups. Thus inside each cup, an ice cube grows layer by layer.

When the cubes are ready, harvest starts. Hot gas flows through the cooling coil of the evaporator and fresh water enters on top of evaporator thus melting the outer surface of the cubes which then fall into the bin.

A new freezing cycle then begins. When the bin is full of ice, the unit stops production. When a quantity of ice is taken away, the unit restarts production.

## UNPACKING & SETTING UP

1. Choose a location far from heating sources and in a well aired, dry place near water inlet and drain connections.
2. Power supply must match voltage specification on registration plate on rear of unit, +/- 6% variation permitted.
3. Water outlet must be at ground level.
4. Water inlet should be regular 3/4" BSP male stop cock.
5. Unpack icemaker removing the carton without turning the unit upside down and screw on the enclosed feet.
6. Connect the rubber hose to the tap and the water inlet valve. During this operation be sure no impurities go into the hose, which could clog up the filter.
7. Connect the drain tube to the unit, then insert it in the outlet siphon. Should the distance exceed 50cm, be sure all tubings are stretched out perfectly.
8. Check that machine is level.
9. For best performance water temperature should be between 10deg C and 25deg C and ambient between 10deg C and 40deg C.

## START-UP & TEST

1. Open water tap and check for leaks.
2. Check if water inlet pressure is between 1 and 3 bar. If it is higher install a pressure reducer set at 2.5 bar.
3. Connect to electrical supply and switch on.
4. Unit starts in harvest at first installation. Water is charged. The timer ends harvest and freezing cycle begins.  
If unit does not start in harvest, more water is needed. TURN the ORANGE pin of the TIMER CLOCKWISE with a screwdriver until the unit goes into harvest.
5. To access the timer and thermostats, remove the front air grille.
6. Always charge with fresh water before starting ice production, at initial installation and after long shut-off period.
7. Wait three (3) producing cycles before making any adjustment, then check ice cubes. They must have a small dimple. If they are too empty, turn the adjusting screw of the ice-control thermostat clockwise to '+',  
If they are too full turn the screw anti-clockwise to '-'.  
Always make slight adjustments and wait for results. **Do not adjust to obtain a full cube without dimple.** It is possible that too full cubes will not release during the defrost cycle and cause problems in subsequent freezing cycles.
9. If cubes are white or incomplete, clean spray bar and nozzles.
10. With ice in contact with the ice bin level feeler inside the bin, the unit should stop within 1 min. If not, slightly turn the adjusting screw of the bin thermostat anti-clockwise to \*SUMMER\* until the unit stops.  
When ice is cleared from the feeler, the unit should re-start within 5mins. If not, slightly turn adjusting screw clockwise to \*WINTER\*.
11. For correct operation, the unit must have all panels fitted and the door closed.