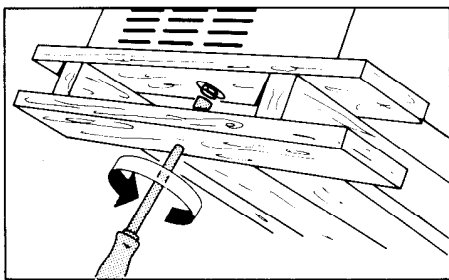
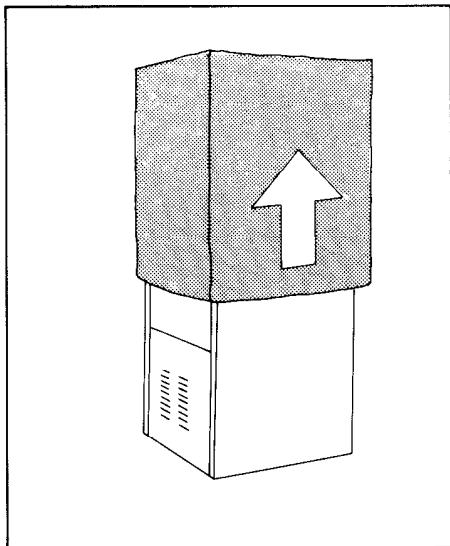


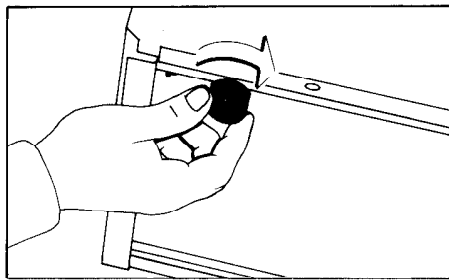
# INSTRUCTION MANUAL FOR: - INSTALLATION - USE - MAINTENANCE

THIS BOOKLET IS AN INTEGRAL AND ESSENTIAL PART OF THE PRODUCT AND SHOULD BE HANDED OVER TO THE USER. READ THE WARNINGS CONTAINED IN THIS BOOKLET CAREFULLY AS THEY GIVE IMPORTANT INDICATIONS REGARDING THE SAFETY OF THE INSTALLATION, USE AND MAINTENANCE. PLEASE PRESERVE THIS BOOKLET FOR ANY FURTHER CONSULTATION THAT MAY BE NECESSARY.

THIS EQUIPMENT SHOULD BE DESTINED ONLY TO THE USE FOR WHICH IT HAS BEEN EXPRESSLY CONCEIVED. ANY OTHER USE SHOULD BE CONSIDERED IMPROPER AND THEREFORE DANGEROUS. THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR EVENTUAL DAMAGE CAUSED BY IMPROPER, INCORRECT AND UNREASONABLE USE.



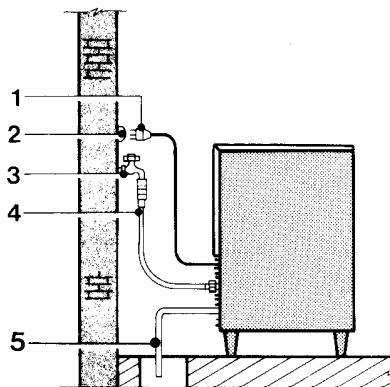
After removing the packaging, make sure that the equipment is in good condition. If in doubt, please do not use the equipment but apply to professionally qualified personnel. Children should not be allowed in reach of the packaging elements (plastic bags, expanded polystyrene, nails, etc.) as they are potential sources of danger.



Screw down feet into their housings on the machine underside. Adjust feet to have the machine perfectly horizontal. Use a spirit level.

BEFORE PLUGGING IN THE EQUIPMENT, MAKE SURE THAT THE DATA ON THE PLAQUE CORRESPOND TO THOSE OF THE ELECTRICITY DISTRIBUTING NETWORK AND HYDRAULIC LINE.

## INSTALLATION DESCRIPTION OF CONNECTIONS Block Diagram



### LEGEND

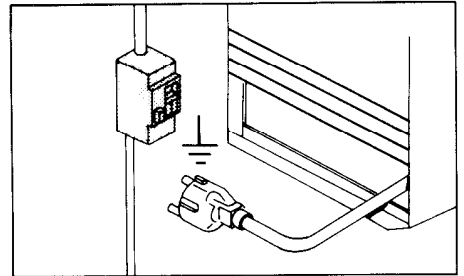
- 1 Plug
- 2 Switch
- 3 Water tap
- 4 Water feed hose
- 5 Water drain hose

THE INSTALLATION MUST BE CARRIED OUT BY QUALIFIED PERSONNEL, IN ACCORDANCE WITH CURRENT REGULATIONS, ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

INCORRECT INSTALLATION CAN CAUSE HARM TO PEOPLE, ANIMALS OR THINGS, FOR WHICH THE MANUFACTURER CANNOT BE HELD RESPONSIBLE. THE ELECTRICAL SAFETY OF THIS EQUIPMENT IS ACHIEVED ONLY IF CORRECTLY CONNECTED TO AN EFFECTIVE EARTHED SYSTEM CARRIED OUT AS FORESEEN BY THE CURRENT SAFETY REGULATIONS. IT IS NECESSARY TO VERIFY THIS FUNDAMENTAL SAFETY REQUIREMENTS AND, IN THE CASE OF DOUBT, ASK FOR AN ACCURATE CHECKING OF THE SYSTEM BY PROFESSIONAL QUALIFIED PERSONNEL. THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR EVENTUAL DAMAGE CAUSED BY NOT EARTHING THE SYSTEM.

Check that the electrical capacity of the system is adequate for the maximum power of the equipment indicated on the plaque. If in doubt, please ask a professionally-qualified person. The latter should, in particular, also ascertain that the section of the system cables is suitable for the power absorbed by the equipment.

Should socket and machine plug not be compatible, have socket replaced by skilled technicians. They will also make sure that the socket cable section is suitable for machine power input.



Also the plug may be replaced by skilled technicians provided it conforms to applicable safety rules.

If the machine is supplied without plug i.e. to be permanently connected to the mains, when installing an omnipolar switch (with contact opening equal to or exceeding 3 mm.) must be fitted as provided for by the applicable safety rules.

When wiring the machine comply with the instructions in this manual.

In order to avoid dangerous overheating, the unwinding of the entire length of supply cable is recommended. Do not block the suction or dissipation grids.

## CAREFULLY READ THE FOLLOWING INSTRUCTION

The use of any electrical equipment involves the observance of some fundamental rules.

In particular:

- do not touch the equipment with damp or humid hands of feet.
- do not use the equipment when you have bare feet.
- do not use extension wires in rooms used as bathrooms or showers.
- do not pull the electricity supply wire in order to disconnect the equipment from the feed network.
- do not allow the equipment to be used by small children or incapable persons.

**BEFORE CARRYING OUT ANY CLEANING OR MAINTENANCE OPERATIONS, UNPLUG THE EQUIPMENT FROM THE ELECTRICAL SUPPLY NETWORK EITHER BY REMOVING THE PLUG OR TURNING OFF THE SYSTEM'S SWITCH.**

In the case of a breakdown and/or poor functioning of the equipment, switch it off, and close the water tap, without making any attempt to repair it or intervene directly. Apply exclusively to professionally-qualified personnel.

Machines will only be repaired by authorized after-sale service. Original spare-parts are used. A lack of observance of that mentioned above could compromise the safety of appliance. The user should not replace the supply cable of this equipment. Should the cable be damaged, turn off the equipment and, for the replacement of the cable, apply exclusively to professionally-qualified personnel.

Should you decide not to use a piece of equipment of this kind any longer, it is advisable to render it inoperative by cutting the supply cable, after having removed the cable from the supply network.

We also advise your to render harmless those parts, susceptible of causing a potential source of danger.

To guarantee the efficiency of the appliance and its correct functioning, it is indispensable to observe the maker's indications and to have the periodical maintenance of the appliance carried out by professionally-qualified personnel.

## CONNECTION TO HYDRAULIC LINE

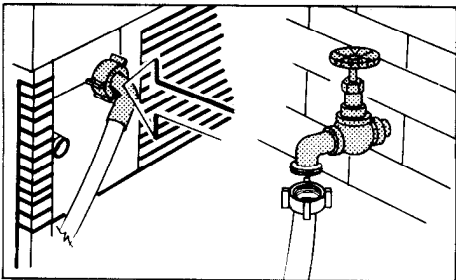
Only cold drinking water will be used for this machine.

The working pressure will be 0,1 to 0,6 MPa. Connection to hydraulic line will comply with manufacturer's instructions and be carried out by skilled technicians.

A tap will be fitted between hydraulic line and machine filling hose so that water flow can be shut off when required.

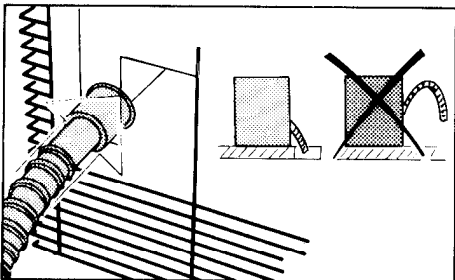
If the water contains solids, a filter should be fitted.

Periodic inspection and cleaning are required.



Fit the seals (supplied with the machine) to the two threaded ring nuts of the water filling hose inside the machine.

Screw down one threaded ring nut tightly onto the outlet of the electromagnetic valve at the rear of the machine, taking care that fittings are not damaged by excessive tightening. The other ring nut will be fitted to a threaded water tap.



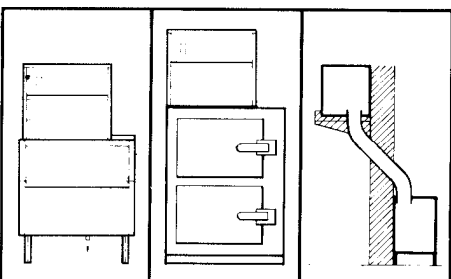
Fix water drain hose to its housing on the machine.

Check for hose flexibility, diameter (I.D. 22 mm) and constrictions.

Hose to have 15% slant.

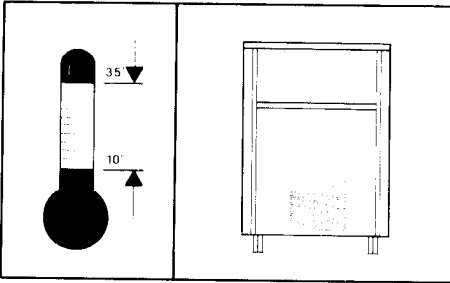
Water should preferably drain into an open trap.

## INSTALLATION OF ICE-MAKING UNITS ON SHELF OR OTHER FIXTURE (REFRIGERATING APPARATUS, CONTAINERS, ETC.).



Ice-making units can be installed on shelves or into containers (when designed accordingly) provided that all instructions in this manual are thoroughly complied with, also in relation with electric wiring and hydraulic connections (water filling/draining).

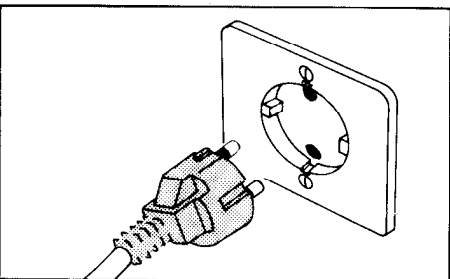
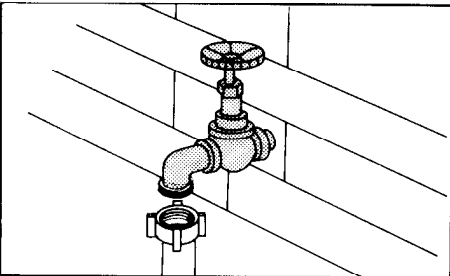
Also check any technical possibilities to install the machine in relation to quality of existing works and according to admissible load. Check fixing soundness.



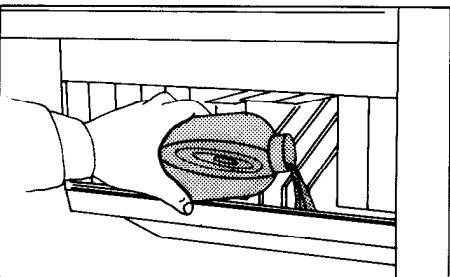
The machine performs best at 10° to 35° C room temperatures and 3° to 25° C feed water temperatures. Do not therefore install the machine near heat sources.

## STARTING THE MACHINE

Once the machine has been suitably connected to mains, hydraulic line and water drain, proceed to starting.



- Open water tap.
- Plug in the machine.
- For machines without plug (i.e. those designed for permanent connection to mains) operate the switch fitted separately from the machine during installation.

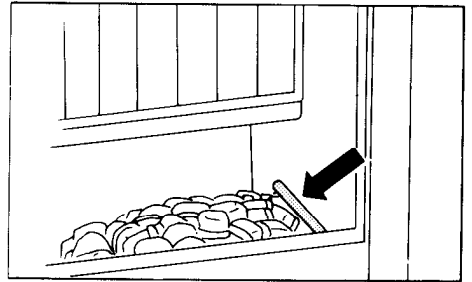


The machine starts by filling the basin with 2 or 3 litres water approx.

Water is directly filled into the basin after raising the baffles (see figure).

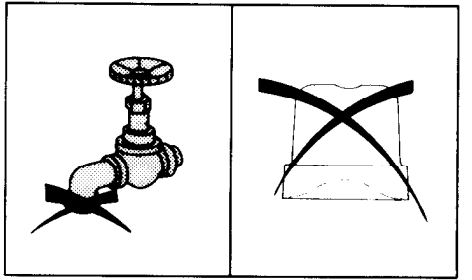
Water is filled only once. For subsequent cycles water is filled automatically.

## PARTICULAR POINTS TO NOTE



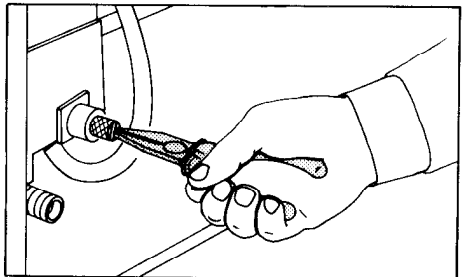
All models, excepting ice-making units, are fitted with an indicator in the ice bin. When the volume of the ice reaches the indicator, production stops automatically.

Whenever ice is removed, the machine will start producing ice again.



Should water run out, the machine will stop producing ice, check that water tap is in the "open" position.

## PERIODIC MAINTENANCE



At least every two months clean the filter on the water inlet electromagnetic valve. Comply with the following instructions:

- Disconnect the machine
  - by unplugging
  - or by means of the switch fitted separately during installation.
- Disconnect the hydraulic line
  - by means of the tap fitted during installation.
- Unscrew the threaded ring nut of the water filling hose onto the electromagnetic valve outlet at the rear of the machine.
- Remove the filter from its housing. Take care not to damage the water filling hose connection.

Now fit back filter and water filling hose. Comply with the precautions described at the beginning of this manual.

## WHEN READY RECONNECT THE MACHINE TO THE MAINS AND THE HYDRAULIC LINE

### MODELS WITH AIR CONDENSATION

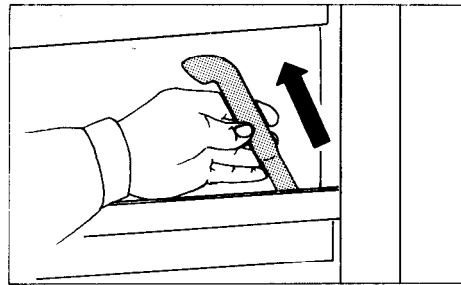
Keep the finned condenser clean.

To carry out by the professionally qualified personnel the cleaning of the finned condenser at least every 2 months.

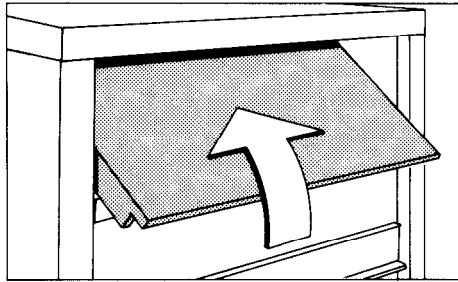
**FLAGS CLEANING  
 SPRAY BANK CLEANING  
 PUMP FLOWBACK FILTER  
 CLEANING  
 BASIN CLEANING**

**WARNING**

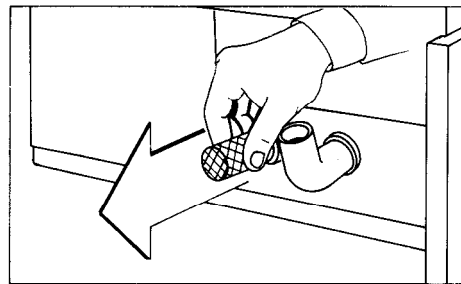
Prior to starting cleaning, disconnect the machine from mains and water as described for previous cleaning operations.



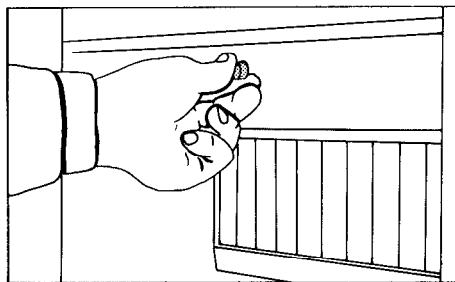
To clean the basin remove the overflow pipe. The residual water will drain automatically. With a sponge remove any deposits from basin bottom and wash the basin with a water/vinegar solution (do not use other solutions).



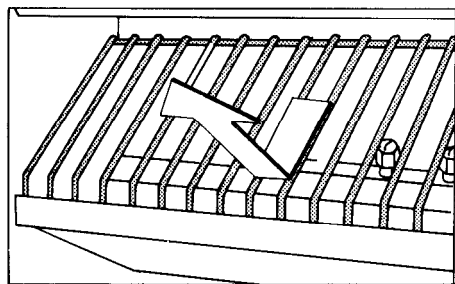
Open door on front side of machine.



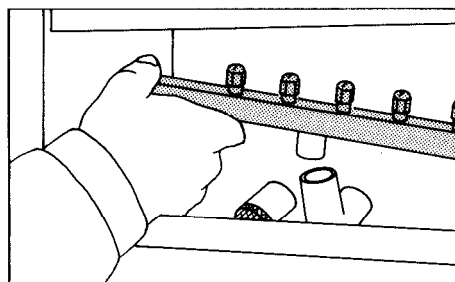
Remove pump flowback filter as shown in the figure. Clean with a water/vinegar solution (do not use other solutions).



The flags panel carries two knobs to be unscrewed to gain access to the spray bank. Clean the baffles with a water/vinegar solution (do not use other solutions).



Remove the slide grid as shown in the figure and wash with a water/vinegar solution (do not use other solutions).



Remove spray-bar from its housing as shown in the figure. Remove side plugs and wash the bank with a water/vinegar solution (do not use other solutions).