

ISTRUZIONI D'USO

HOW TO USE IT

NOTICE D'EMPLOI

GEBRAUCHSANWEISU

GEBRUIKSAANWIJZ

ISTRUCCION
PARA EL U

MANUAL DE U

BRUKSANVISNI

BRUKSANVISNI

BRUGSANVISNING

KÄTTÖHJE

ΟΑΗΓΙΕΣ ΧΡΗΣΕΩΣ

FABBRICATORI DI GHIACCIO

ICEMAKING MACHINES

M: 689

06291

Ice Maker 138 kg

SCOTTSMAN

ISLÄGING SMASKINENE
JÄÄKUITIOK ONEILLA
ΜΗΧΑΝΕΣ ΝΑΡΑΓΩΓΗΣ ΜΑΓΟΥ

MV 306

MV 426

MV 456

MV 606

MV 806

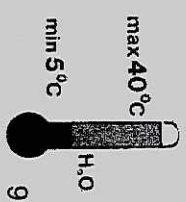
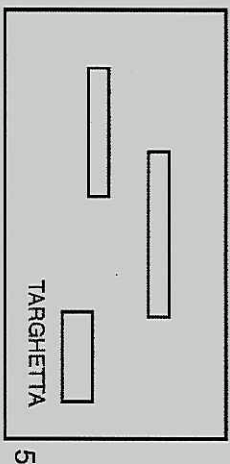
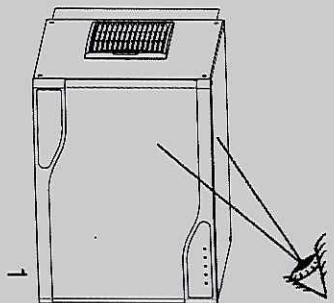
MV 1006



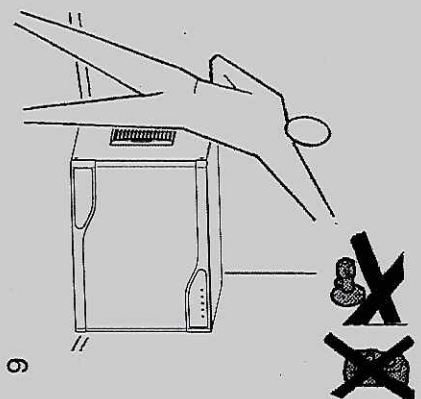
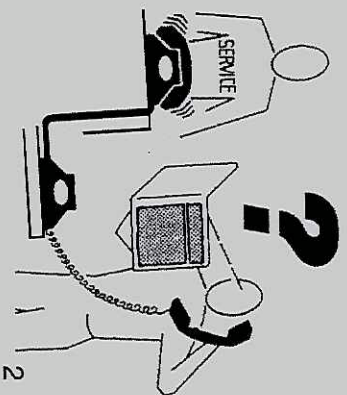
I NOSTRI IMPIANTI SONO CONFORMI ALLA DIRETTIVA 2006/95/CE - 2004/108/CE

scottsman®

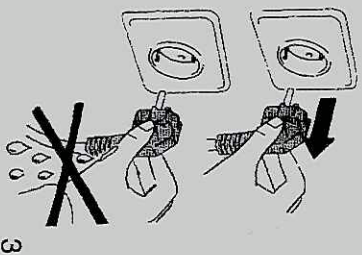
ISTRUZIONI D'USO



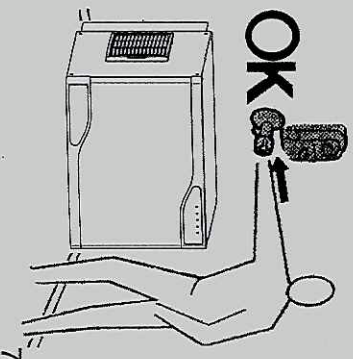
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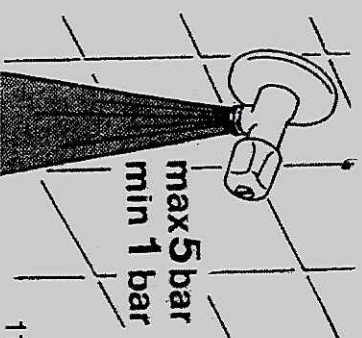
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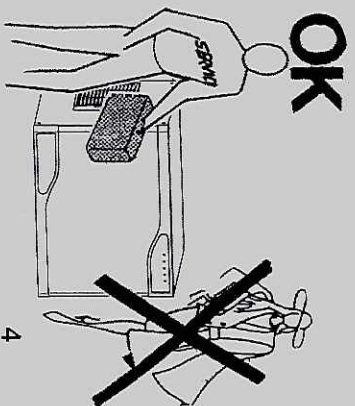
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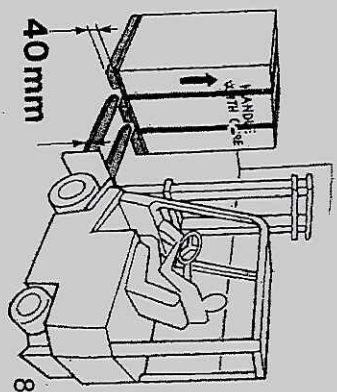
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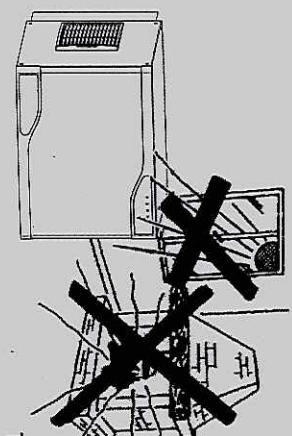
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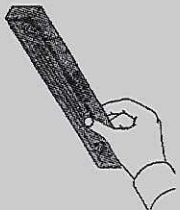
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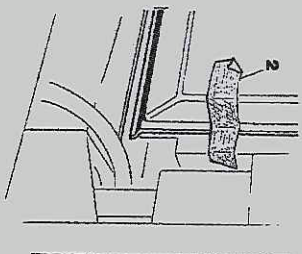
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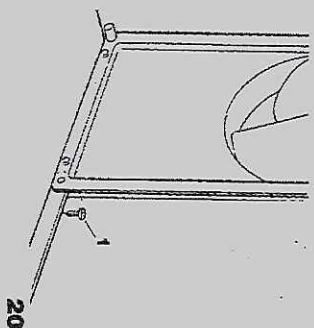
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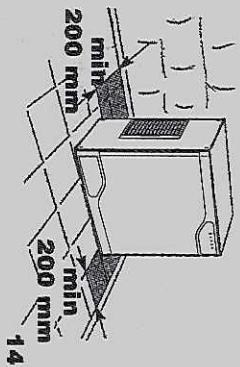
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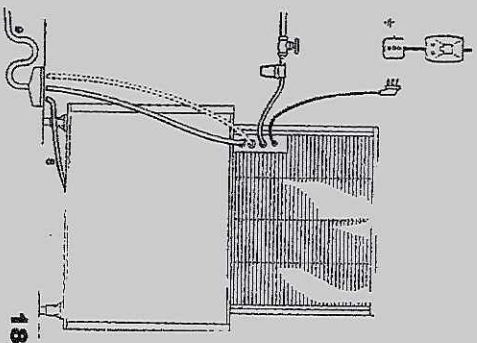
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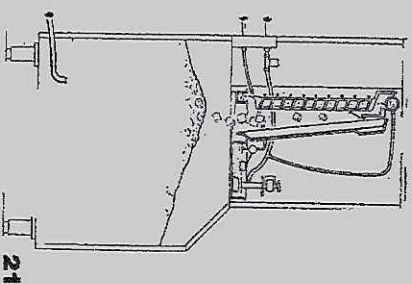
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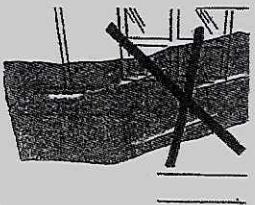
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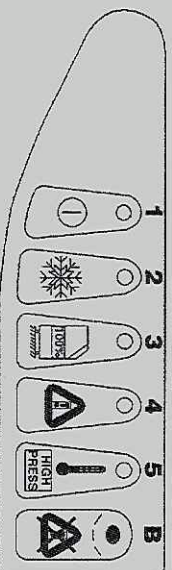
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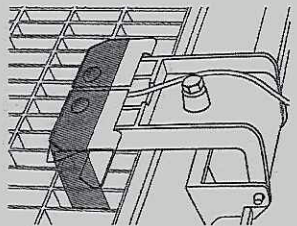
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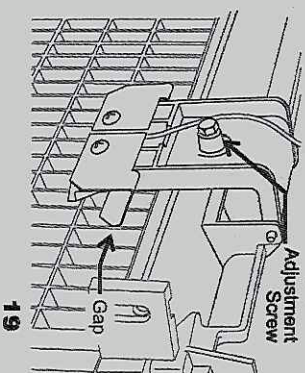
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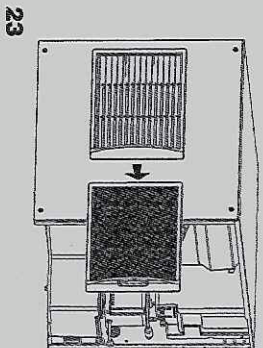
- | | |
|-------------------------------------------------------|--------------------------------------|
| LED N° 1
Rele. | LED N° 1
Electrical power supply. |
| LED N° 2
Funzionamento. | LED N° 2
Operation. |
| LED N° 3
Deposito pieno/avaggio. | LED N° 3
Tank full/Washing. |
| LED N° 4
Allarme. | LED N° 4
Alarm. |
| LED N° 5
Allarme alla pressione. | LED N° 5
Alarm high pressure. |
| PULSANTE B ROSSO
Pulsante
Reset/Avaggio. | BUTTON B
Reset/Washing. |



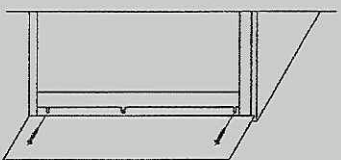
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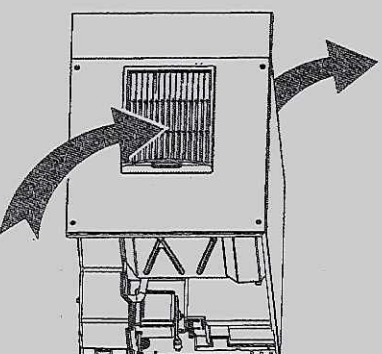


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24

DEFLETTORE
AIR DEFLECTOR





WARNING!!!
IT IS EXPRESSLY FORBIDDEN FOR THE USERS OF THE EQUIPMENT TO CARRY OUT THE FOLLOWING OPERATION OR THOSE MARKED BY THE SYMBOL. SUCH OPERATIONS MUST BE PERFORMED EXCLUSIVE BY QUALIFIED PERSONNEL.

1. ELECTRICAL CONNECTIONS
2. WATER MAINS CONNECTIONS
3. MACHINE INSTALLATION
4. MACHINE TEST RUN
5. REPAIRING MACHINE COMPONENTS AND PARTS
6. DISASSEMBLY OF MACHINE AND/OR COMPONENTS
7. ADJUSTMENT AND SETTING PROCEDURES
8. MACHINE CLEANING AND MAINTENANCE RELATIVE TO THE FOLLOWING PARTS AND COMPONENTS:
ELECTRONIC,
ELECTRICAL,
MECHANICAL,
COOLING SYSTEM.

GENERAL SPECIFICATIONS

CE OUR PRODUCTS ARE GOVERNED BY EC LOW TENSION DIRECTIVE 2006/95/CE - EMC - 2004/108/CE AND THE COVER OF THE MANUAL IS MARKED ACCORDINGLY.

ATTENTION:

This appliance is not intended for use by persons -including children- with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with appliance.

INSTALLATION

Before bringing the icemaker into action perform the following operations:

- 1) Check that ice maker has not been damaged during transport (pict. nr. 1)
- 2) Match the producer to its storage bin, fixing them with the two screws supplied with the machine (pict. nr. 20).
- 3) Clean the inside of machine by means of a warm water and sodium-bicarbonate dampened sponge; rinse with plain water and dry accurately.
- 4) Locate the producer and the storage bin in the final place, making sure that the two are perfectly sport-levelled, in order to obtain an even distribution of the water all over the evaporator and a regular falling of the cube plate (pict. nr. 13).
The storage bin is equipped with height adjustable feet, which allow for an easy levelling and comfortable future cleaning of the floor.
- 5) Release the stops on the deflector and remove it to avoid it getting damaged during transportation (fig. n° 17).
- 6) Do not put the machine in dusty place because this could cause a fast obstruction of the condenser (only fro aircooled models).
- 7) Never keep food, bottles or other things in the bin in order to avoid that the ice takes bad smells and tastes.
- 8) Connect machine to water supply first and then to electricity supply.

ATTENTION:

The icemaker must be connected to a POTABLE WATER SUPPLY

NOTE:

Before installing the machine make sure that:

- a) the room temperature must not fall below 10°C (50° F) or above (100° F).
- b) the water conductivity value must be not below than 10 μ S/cm.
- c) The machine does not take demineralised water.
- d) the main water temperature must not fall below 5°C (40° F) or above 35°C (95° F).
- e) the main water pressure must not fall below 1 bar (14 PSI) or above 5 bar (70 PSI). If pressure is above 5 bar a pressure regulator should be fitted on the water supply machine (pict. nr. 11).
- f) machine is awais from sources of heat and in a sufficiently ventilated area. A distance of a least 20 cm must be foreseen between the sides/the back of the machines and the walls (pict. nr. 12 - nr. 14).

- 9) Connect the 3/4" Feeding pipe (supplied) to the machine and to the cold drinking water supply line. It is advisable to install a shut-off (not supplied) to the water feeding pipe. If the feeding water of impurities, the applications of a filter water-supply system is recommended. If the water is particularly hard, i.e. rich in minerals and their derivatives, the application of a proper water softener is recommended. Thus, anyscaling of therydraulic circuit of the machine can be avoided (pict. nr. 18).
- 10) Apply the two-duplicated fixrble pipes to the machine-container discharge connectors. For a perfect water outlet from the machine a minimum incline of 3% of the pipes is advisable. Check also that the pipes are non throttled or siphoned. It is advisable that the pipes discharge in an open vented drain(pict. nr. 18).
- 11) Connect the machine to the electricity supply after having checked that the voltage corresponds to that on the plate on the rear panel of the machine (pict. nr. 5).
- 12) Air deflector installation. (pict. nr. 24) The deflector has to be installed in order to prevent hot air recirculation in the condenser.

**The maximum voltage variation should not exceed \pm 6% of that stated on the rating plate. Provide for a feeding circuit to the machine, with its own bipolar main switch at least 3 mm. of contacts opening.
The machine should be connected to an independent fuse or suitable power supply with earth terminal. The whole system must be calibrated according to the power machine indicated on the registration label.**

A DIFFERENTIAL SWITCH MUST BE INCLUDED IN THE ELECTRICAL CIRCUIT.

INFORMATION FOR THE "SERVICE"

THE FOLLOWING OPERATIONS MUST BE CARRIED OUT BY QUALIFIED PERSONNEL

STARTING THE MACHINE

WARNING: Do not let the device run before our technician's invention.

Before starting the ice producer perform the following:

- a) Remove the coverand the side.
- b) Check that the compressor is free to swing on the rubbers on the relative stirrups and that che fans od the electric fan turn freely.

Moreover:

- 1) Verify that the water supply valve is open; then connect the machine electrical plug to the socket and switch on the main switch; the machine starts working automatically.
- 2) Check if the water pumps works regularly (30" delay).
- 3) Check that the water flows regularly on the evaporator and that there are no leakages in the water-piping system.
- 4) Verify any irregular vibrations.
- 5) To adjust the cube height, action the screw nr. 1 (pict. nr. 19) which determines the distance between the sensor reeds and the evaporator. The distance (fixed by us) is of about 4 mm for a normal ice cube.
- 6) Check an ice production cycle ensuring that the cube plate is conveyed into the storage bin and that all operations are performed regularly.
- 7) Verify the working of the machine-stopping microswitch by keeping the splash-guard deflector open for over 30 seconds.
- 8) Put on the panels you have removed before.
- 9) The front panel is equipped with 5 "LEDs" next to the symbols corresponding to the following functions:

LED Nr. 1
Electrical power supply.

LED Nr. 2

Operation.

LED Nr. 3

Tank full/Washing

LED Nr. 4

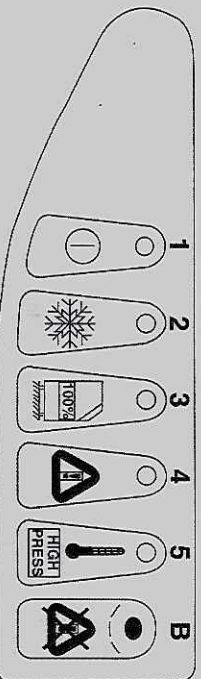
Alarm.

LED Nr. 5

Alarm high pressure.

BUTTON B

Reset/Washing.



Attention

The machine is equipped with a maximum pressure switch with manual reset.

Red pilot light lit LED 5: alarm due to a raised condensation pressure, the machine stops.

FUNCTIONING:

The ice cubes are produced within a special hive-like vertical copper evaporator.

A circulation pump produces a continuous water flow on the front grid; gradually, a portion of the water turns into ice on the inner walls of the small cells and forms cubes, the height of which is controlled by a special adjustable sensor. Such a sensor is made up of two metal reeds, which are fed by a low-voltage circuit. (Insulated between themselves), and kept at a certain distance (adjustable through a screw) from the evaporator. As the ice is produced, the water film flowing on the ice itself approaches the two reeds finally touches them, thus closing the electronic circuits which causes at the same time:

- The sending of warm gas to the evaporator, by opening a solenoid valve, and the consequent disjunction of the cube plate from the evaporator.

The machine also features an electromechanical pushing device for detaching blocks of ice from the evaporator (to the exception of the model MV306).

- The opening of the water-discharge valve in order to remove any possible residual impurity.

Once it has been disjuncted, the cube plate slides away from the evaporator and moves the front baffle (which is hinged in its upper portion) toward the outside and in with simple gravity, falls into the container,

The front baffle, while rotating back and forth, opens and closes the contacts to an electronic card, which, in turn restores the normal ice-production cycle.

When the container is full, the last ice-cube plate keeps the baffle open and, therefore, the microswitch contacts do not close. Thus, the electronic card, connected to the microswitch, stops the machine within 30 seconds.

The removal of the ice from the collecting box allows the baffle to restore

its normal position, and therefore the producer is started again. A complete cycle takes from 15 to 30 minutes, depending on water and room temperature. In case of machine stopping because of irregular working, the LED nr. 4 lights up.

UNDER UNFAVORABLE ELECTRICAL POWER SUPPLY THE MACHINE CAN GIVE A DROPPING TENSION WITH TRANSIENT STATE.

Wait at least 3 minutes from the alarm beginning, before prewssing reset. If the stopping happens again, consult the technical assistance.

○ CLEANING AND MAINTENANCE

NOTE: Observe safety practice: disconnect the machine from electricity supply before cleaning and maintenance operations.

○ CLEANING OF THE AIR CONDENSER

The gradual accumulation of dust in the condenser causes a significant reduction in the refrigerating action of the machine and consequently in its ice production. It is recommended to inspect frequently the condenser in the back of the machine and to clean in either with a non-metallic brush, or better with a vacuum cleaner (pict. nr. 23).

○ CLEANING THE WATER INLET VALVE FILTER

Close the shut-off valve of the water supply, take out the water inlet probe filter and rinse the filtering part under a water flush and reassemble.

○ CLEANING OF THE CABINET EXTERIOR

For the cleaning of the unit cabinet use a soft cloth with a mild detergent solution specific for Stainless Steel.

○ CLEANING OF THE AIR STORAGE BIN

Remove the ice from the storage bin. Clean the interior with a sponge wetted in warm water with a little sodium bicarbonate: rinse with clean water and dry thoroughly.

○ CLEANING OF THE WATER CIRCUIT

ATTENTION

The machine is equipped with a new semi-automatic washing device that enables the effective cleaning of the entire hydraulic system.

The washing operation should be carried out by a service technician. The washing frequency depends upon the hardness of the water. It is advised that the washing operation is carried out at least twice a year.

DISPOSAL OF WASTE ELECTRONIC AND ELECTRICAL EQUIPMENT (WEEE)

Fulfilling Directives 2002/95/CE, 2002/96/CE and 2003/108/CE on the disposal of waste electronic and electrical equipment.

The crossed out wheeled bin symbol indicates the product must be collected separately from other waste when it has become redundant. Differentiated collection of this equipment is arranged and handled by the manufacturer. Consequently, the user who is wanting to dispose of this equipment must contact the manufacturer and follow the method the latter has adopted to allow separate collection of the redundant equipment.

Appropriate differentiated collection for the subsequent recycling, treatment and eco-friendly disposal of the dismantled equipment prevents possible negative effects on the environment and health and facilitates the recycling of materials used in manufacturing the equipment.

Administrative sanctions foreseen by the regulations in force shall be applied for any abusive disposal of the product by the holder.