

02/2011

Mod: CSL1507-VTX

Production code: EB0915JL-Z



Diamond
catering equipment

INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

WARNING:

- The instructions provided hereafter are an essential and integral part of the equipment and must be made available to the operators for consultation at any time.
- Before performing any operation, carefully read safety, installation, operating and maintenance instructions.
- The equipment must be used only for its intended purpose and operated by trained staff.
- Installation, maintenance and repair work must be carried out exclusively by authorized service centers or qualified staff, in compliance with current regulations and according to the instructions provided by the Manufacturer (use original spare parts only).
- The Manufacturer may not be held liable for any direct or indirect damage caused by incorrect installation, tampering with the equipment, misuse, bad maintenance or failure to properly follow the instructions provided in the operating instructions.

1.0 SAFETY MEASURES

This paragraph will inform the operator about the safety measures necessary to ensure people's safety and the hood conditions.

1.1 Instructions for the installer

Wiring must be the last job, making sure that there is no water.

The hood must never be installed in a corrosive or explosive room.

The company in charge of installation must be certified according to the standards in force.

Install a remote on-off system outside the hood (ON /OFF switch or similar device, not included in our supply) just next to it.

Do not turn on the hood before connection to the grounding system.

1.2 Instructions for the user

The user of the hood described in this booklet is not exposed to particular hazard, because control operations are carried out in a non-dangerous area.

1.3 Instructions for the serviceman

Before doing any type of maintenance, isolate the hood with the remote on-off device (push-button or lever switch not included in our supply) nearby.

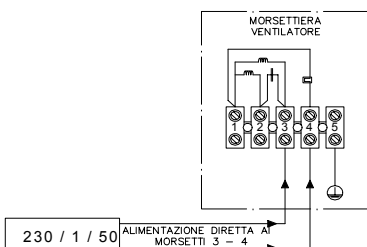
2.0 ELECTRICAL CONNECTIONS OF THE FAN

Before connecting the fan:

- Check the motors' power switchboard and make sure that protective devices are dimensioned according to the plate amperage
- Check that the mains voltage is fit for motors' voltage, indicated on the plate

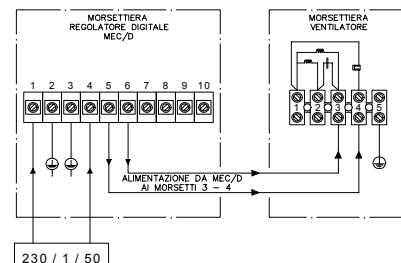
2.1 Connection to the mains

The diagram below shows the direct connection of a single-phase fan to the mains



2.2 Connection with electronic regulator

The diagram below shows the connection of a single-phase fan powered by RD electronic regulator



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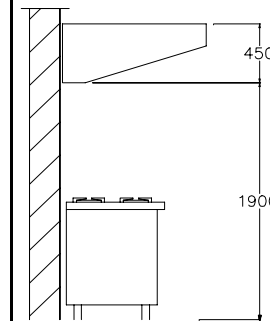
3.0 START-UP

Before the first start-up

- Check the motors' power SWITCHBOARD and make sure that protective devices are calibrated for the plate amperage
- Check that the MAINS VOLTAGE is fit for the motors' voltage, indicated on plates.
- Check that the direction of rotation coincides with the arrow on the worm.

4.0 INSTALLATION INSTRUCTIONS

4.1 Hood installation



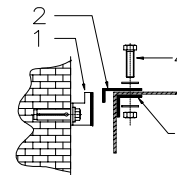
INSTRUCTIONS

- Position the hood on the relevant equipment.
- On each side, the external dimensions of the hood must be 20-40cm larger than the dimensions of the equipment.
- The height on the floor must be 1900 to 2000 mm and the minimum distance between the cooking surface and the bottom of the hood must be 1000 mm
- The hood's exhaust must be conveyed into a flue used by the hood only and conforming to the standards in force.

INSTRUCTIONS

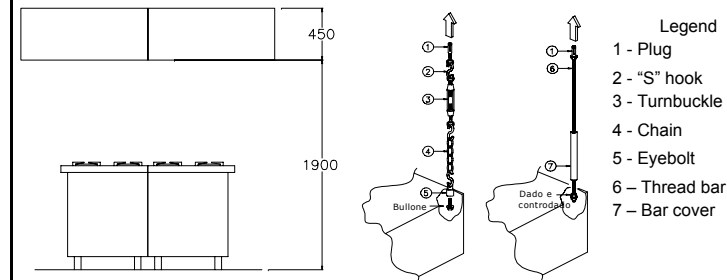
wall hoods

- Fasten support "1" to the wall with screws and plugs
- Secure bracket "2" to bracket "3" with screws, clamping the upper part of the hood between them.
- Hook bracket "2" to support "1".
- Adjust screw "4" to level the hood



central hoods

- Secure the "S" hooks to the ceiling with screws and plugs.
- Lift the hood up to the desired height and hook the supporting system to the eyebolts.
- Level the hood, by adjusting the turnbuckles.
- Lower the hood's supporting system



WARNING

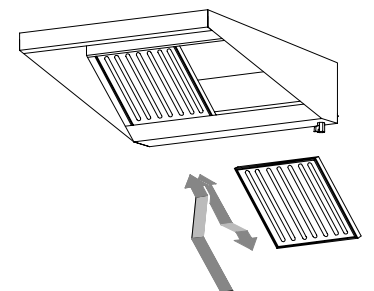
Make sure that the walls can support the hood weight; if not, carry out the necessary masonry work. Distribute the hood weight on all anchorages.

5.0 ROUTINE MAINTENANCE ON THE HOOD

5.1 Filter disassembly

To disassemble the filters, hold them using the relevant pins and make them slide upwards, so that they can be extracted from the lower guide. Slightly turn the lower part of the filter outwards to release it.

To re-assemble it, follow these steps, but in reverse.



Warning: carefully read the instructions provided together with the electronic regulator.

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5.2 Hood maintenance schedule

A proper maintenance of the hood is necessary to ensure its correct operation. Before performing any maintenance job, disconnect the equipment from the electric supply system

COMPONENT	CHECK	INTERVAL	ACTION	INSTRUCTIONS
Metal frame	Visual	According to use	Clean with a soft wet rag, soaked with an alkaline detergent. Use a plastic or wooden scraper to remove any deposit.	
Anti-grease filters	Visual	At least once a week	Clean by plunging into hot water or in a dishwasher with an alkaline detergent or, if necessary, remove any deposit using a soft brush.	Remove filters from channel
Fan	Visual	At least once a month.	Clean with an alkaline detergent.	Work from circular holes on the fan side
Grease drainage	Periodical	At least once a week	Drain grease	Open the drain cock under the hood

6.0 TROUBLESHOOTING

TYPE OF FAILURE	POSSIBLE CAUSE	SOLUTIONS
The hood does not suck the air	Faulty control systems outside the hood.	Check proper operation of each device
	Wrong motor wiring	Reset wiring
	Burnt motor	Replace with a spare part.
	Fan blocked by a foreign object	Remove the foreign object with an adequate tool and make sure that during operation there are no vibration and/or unusual noise
	Clogged filters.	Remove filters, clean them as shown in table 5 and install them in the hood again.
The watertight lamp (if any) does not work	Faulty control systems outside the hood.	Check the correct operation of each device
	Wrong lamp wiring	Repair wiring.
	Reactor failure	Replace the reactor

7.0 SPARE PARTS

COMPONENT		REPLACEMENT
Filter	Extract it from the hood and measure.	Extract from guides the filter to be replaced and install a new filter.
Fan	Read the identification plate on the fan side.	1. Remove filters to have access to the fan. 2. Disconnect wiring 3. Unscrew the four nuts that hold the fan flange. 4. Mount the new fan, following the same sequence, but in reverse
Lamp	Check length. L 130cm = 40W L 63cm = 20W	1. If a lamp holder is provided, unscrew locking screws and remove cover. 2. Unscrew the two rings at the opposite ends of the polycarbonate protective tube, turn the neon tube by 90° and extract it from seats. 3. Extract the neon tube from the polycarbonate protection and replace it. 4. Re-assemble the unit according to the above sequence, but in reverse
Lamp starter	Check the lamp power	1. Disassemble the lamp as specified above 2. Unscrew the plastic ring for starter protection 3. Release the starter (turn it anticlockwise), remove and replace it; then lock.

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4. Re-assemble the unit according to the above sequence, but in reverse.