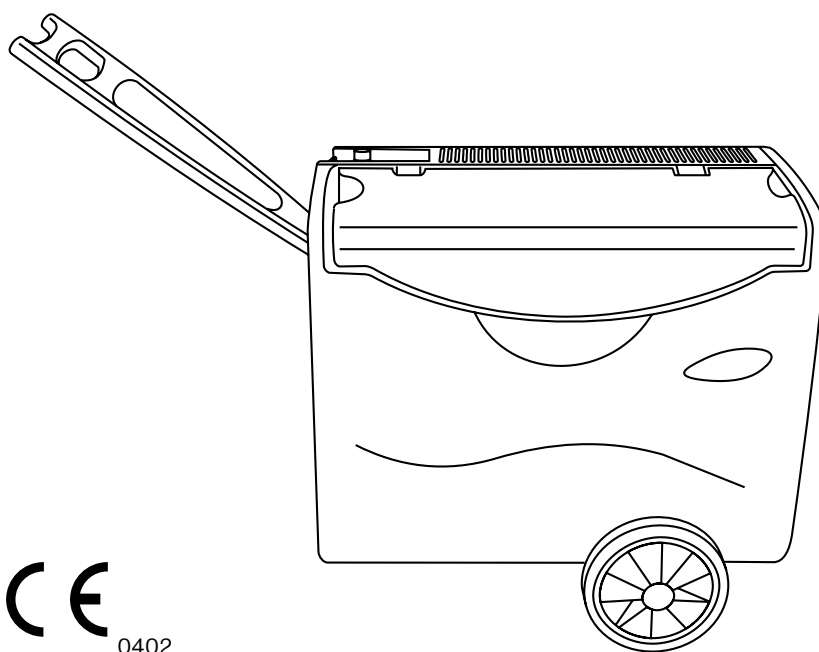




PowerFridge

RC3000



Operating Instructions

SLO



Please read these operating instructions carefully before putting the refrigeration unit into operation. If you later sell or dispose of it, please ensure that the new owner receives these operating instructions.

Thank you for choosing our appliance. We are sure it will provide you with trouble-free use.

In the following, we would like to familiarise you with some symbols, which we bring to your attention to ensure the safe and efficient operation of the appliance:



source of danger, in event of improper operation



suggested useful tips to read



information concerning environmental protection

The cooling box you have purchased is designed for operation from electrical mains, from a vehicle battery or from bottled (LP) gas.



Attention!

Your portable refrigerator - **in gas operation** - must only be used in a well-ventilated place, where it is protected from rain or water splashes. **In electrical operation**, the appliance can be used in an enclosed area. However the appliance must still be protected from moisture.

In this appliance the storage of any toxic or explosive substance is forbidden!



Attention!

It is important in the interests of efficiency, to give the back of the unit as much ventilation as possible to allow the heat to escape. The hottest spot is in the vicinity of the burner, and **particularly when operating on gas**, it is essential that this place be kept clear of any obstruction or flammable materials (e.g. grass or plastic ground sheets that can burn).

In electrical operation, the appliance can be used in an enclosed area. However the appliance must still be protected from moisture.

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1. Unpacking

After removal from the cardboard packaging, make sure the appliance is not damaged. If you find damage to the appliance resulting from transport, report it immediately to the transportation firm.

2. View of the appliance

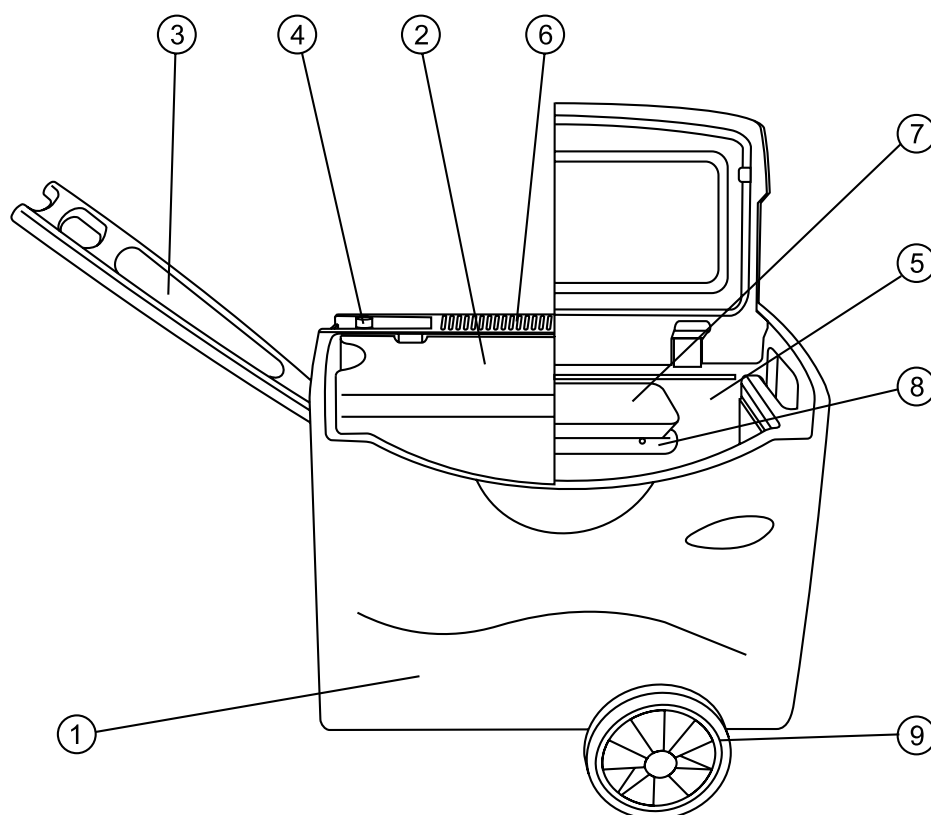


Figure 1.

- | | |
|---------------------|-------------------|
| 1. insulated casing | 6. rear cover |
| 2. insulated lid | 7. ice tray |
| 3. handle | 8. ice-tray shelf |
| 4. control panel | 9. wheels |
| 5. evaporator panel | |

3. Cleaning

(i) Clean both the inside and outside of the appliance before putting it into use.

- To do so, use a soft towel, lukewarm water and a non-abrasive detergent. Ensure water does not enter the rear cover grille or the control elements.
- Afterwards, wipe the appliance with a clean towel and cleanwater, and then wipe it dry.
- To avoid damage, do not use soap, soda or abrasive cleaners.

4. Positioning the appliance

(i) During the refrigeration process, the appliance gives off heat from the condenser (under the upper part of the rear cover) into the surrounding air. The more ventilated the condenser is, the more effective the refrigeration will be.

- The other condition for satisfactory operation is that the appliance stands on a flat surface. This is best seen by placing a glass of water on top of the appliance.
- It is important that the appliance is not directly exposed to radiated heat (sunlight, radiator, near an oven, etc.).
- In gas operation following clearances should be kept from the walls or other materials: from the back side of the appliance minimum 10cms, from both sidewalls 4cms each, from the top of the appliance minimum 30 cms, from the bottom minimum 5cms.
- In the immediate vicinity of the appliance within the specified distances no inflammable matters (paper, wood, grass, textile etc.) should be met with.

5. Using the appliance

The cable for mains connection, the 12V connecting cable and the connector for the gas hook-up are located on the right-hand side of the rear cover of the cooling box, behind the door (Figure 2).

5.1. Operating from electrical mains

Make sure the voltage shown on the data plate of the appliance matches that of the mains voltage to which you wish to connect the appliance. After opening the door, pull out the mains connecting cable and connect it to a receptacle earthed socket for connection.

When connecting the appliance for the first time, set the thermostat to maximum; then, after about five hours, set it back to a medium position. This is suitable for general refrigeration requirements.

NB: Plug is provided according to specific regulations in each country and may be different to that shown.



Figure 2.

5.2. Operating from vehicle battery

Make sure the voltage shown on the data plate of the appliance matches the voltage of the vehicle battery (12V or 24V).

12V DC voltage appliances are equipped with connectors that can be plugged into cigarette lighters (Figure 3.). For some types of vehicle, you may need to remove the red plastic ring located on the end of the connector. To do so, turn the plastic ring in an anti-clockwise direction and pull it off. The appliance can then be connected to the cigarette lighter. In 12V operation, the appliance runs uninterrupted without temperature control.

24V DC voltage appliances are shipped with bare wire ends. The wire ends must be connected to a terminal block, which is in turn connected to the vehicle battery via a 5A fuse and 5A switch.

i For 12V or 24V operation, make sure, if the engine is not running, that the appliance connector is removed from the cigarette lighter (12V appliance) or that the switch is turned off (24V appliance). Otherwise, the appliance will discharge the vehicle battery when in operation.

5.3. Operating from bottled gas

Connection to the gas cylinder is described in sections 11.3. and 11.4.

After opening the valve of the gas cylinder, push the safety gas valve down (Figure 4) and set it to the large flame symbol, holding it down for about 10 seconds. Next, press the piezo-igniting button (marked with a star) several times one after the other. If the flame does not ignite, repeat the process. (Air in the appliance gas line prior to connection to the gas cylinder must be evacuated. Only then can the gas be lit.)

Ignition of the flame can be verified through the flame-view opening (Figure 5). After you have got the flame keep the safety gas valve down another 20 seconds.

6. Mounting the wheels

The wheel set, found inside the appliance, consists of the following parts:

- 2 wheels
- 1 axle
- 1 axle-retaining screw
- 1 pull handle
- 1 handle fastener
- 2 screws for the pull handle



Figure 3.

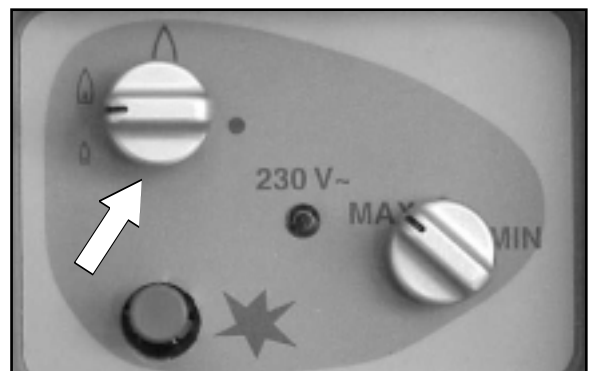


Figure 4.

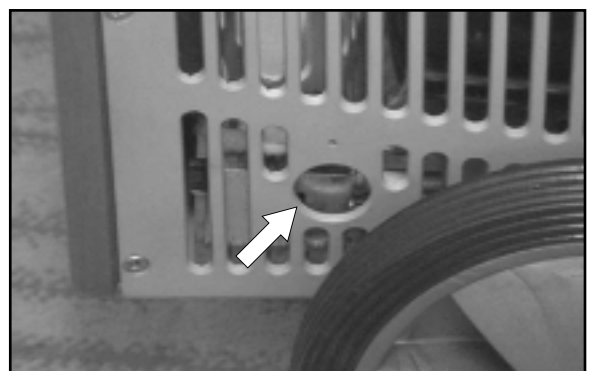


Figure 5.

First mount the two wheels on the axle. To do so, press in the spring located on the wheel (Figure 6); then release the spring, pushing the wheel onto the axle. It can be felt when the spring jumps into place and it is not possible to pull the wheel from the axle.

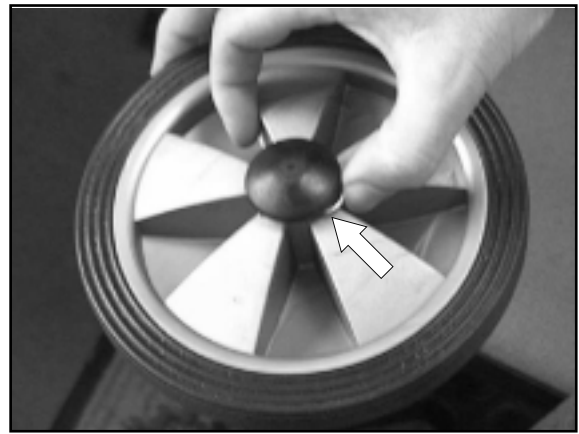


Figure 6.

After mounting the wheels, fasten the axle to the bottom of the housing. To do so, turn the appliance upside down (while empty) and fasten the axle with the retaining screw (Figure 7).

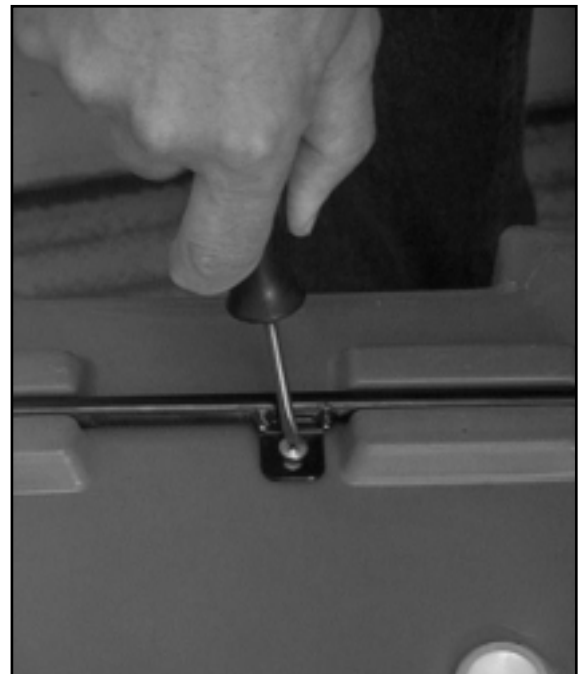


Figure 7.

To mount the pull handle, turn the appliance (while empty) on its end. Position the pull handle below the handle fastener, so that its smooth surface is on the outside. Screw the handle fastener to the chassis using both screws (Figure 8).

Snap the pull handle into the fastener groove, folding it down beside the chassis. In this position, it acts as a leg when the appliance is in operation.

If you wish to pull the appliance on wheels, make sure no power source is connected. Then straighten up the pull handle and pull the appliance to its new location.

When loading onto a vehicle, the wheels and handle are removed in reverse order (if required for better use of space). The appliance must be empty to carry out these processes.



Figure 8.

7. Making ice

The ice-tray holder and ice-tray accessories delivered with the appliance allow ice cubes to be made. To do so, first insert the ice-tray holder panel into the groove of the plastic holder. Make sure the perforated part of the panel enters the groove (Figure 9).

Next, fill the ice tray with water (up to about 4 mm below the edge) and put on the cover.



Figure 9.

Place the ice tray on the ice-tray holder panel, so that its outer edge is below the edge of the plastic cover (Figure 10). This prevents the ice tray from falling from the holder when the vehicle is in motion.

The plastic cover of the ice-tray holder is not completely watertight when fastened. For this reason, a few drops of water may come from the ice-tray holder. This is not unusual and does not cause any problem.

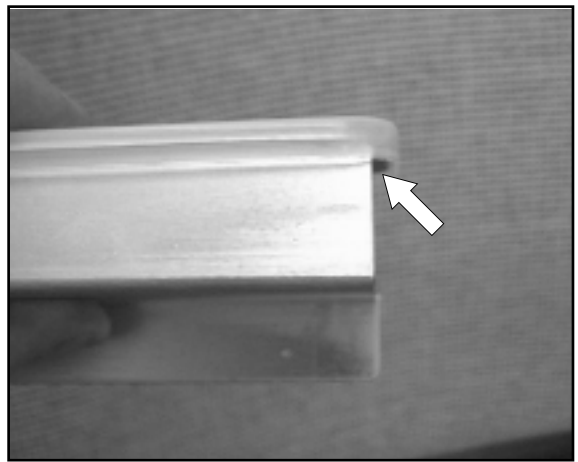


Figure 10.

8. Useful suggestions

- When setting out on a trip, run the appliance on 230 V for 24 hours. Place food in a pre-cooled condition into the appliance.
- Determine the requirements for making ice and either set up the ice-tray holder or remove it *before* plugging in the refrigeration unit. (Because of frost formation, this may be more difficult to accomplish later.)
- Frost forms on the evaporator panel when in operation. When opening the cover or putting in food, some of this frost melts and collects in the form of water on the bottom of the appliance. Wipe the water off occasionally using a sponge.
- Avoid putting foods with fragile packaging (such as glass) into the refrigeration unit, if you wish to pull it on its wheels. Movements and shaking of the unit may cause these items to break.
- On descent, make sure the refrigeration unit does not roll onto your legs. On steep descents, proceed behind the unit with the wheels in front.
- Once the refrigeration unit is in its permanent position, make sure foods do not come into contact with the evaporator panel, as this can cause freezer-burn to the foods.

9. Defrosting, cleaning and maintenance

For defrosting, always unplug the appliance from an electrical power source to avoid the risk of shock. Make sure no other power source is connected (gas or 12V / 24V). Remove food from the refrigeration unit and leave the lid open. Depending on the temperature, frost melts in a short time from the evaporator panel, with water collecting at the bottom of the appliance. Wipe it off using a towel. Afterwards, clean the appliance by following the instructions in section 3. Leave the lid ajar to prevent any odours from forming. The appliance does not require any further maintenance.

10. Customer service


Before notifying customer service, please check the following:

- Are location and ventilation satisfactory?
- Does the appliance stand evenly?
- Is there a current in the wall socket and is the connection suitable for the appliance?
- Is the mains power cable damaged?
- For mains operation, is the electric thermostat switched on?
- For gas operation, was the safety valve knob pressed down long enough?
- Is the safety valve knob set towards the large flame symbol?
- Is the gas cylinder or the pressure regulator valve open?
- Is there any gas in the cylinder? (If by shaking, no liquid movement can be detected, then the cylinder is empty.)
- Are by any chance two different power sources connected (such as gas or electricity)?
- Was warm food placed in the unit?
- Was a large quantity of food put in at one time?

If after checking the above, the appliance still does not operate properly, contact customer service. When reporting the problem, state the type of problem, the type of appliance, and the product number and serial number from the data plate.

We assume the warranty in accordance with our warranty assumptions for the appliance.

11. Putting into operation

 You must, in all instances, operate the appliance from a single energy source only. Connecting several energy sources at the same time will cause failure of the appliance.

Technical data:

Model	RC 3000
Type	JCB 4
Gross volume	35 litre
Mains operation	220 - 240V (AC)
Input	80W
Energy consumption	1.4 kWh/24h
Battery operation	12V (DC)
Input	80W
Energy consumption	160Ah/24h
Gas pressure (p)	30 mbar
Gas classification	I ₃ B/P
Jet size	19
Climate class	N
Refrigerant	370g NH ₃ + H ₂ O

11.1 Connecting to electrical mains

Make sure no other energy source is connected (gas, 12V).



The appliance may only be operated from nominal voltage mains as shown on the data plate. The appliance mains plug may be connected to a mains socket earthed in accordance with regulations.

Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

The manufacturer declines any liability should these safety measures not be observed.

Electrical Requirements

Before switching on, make sure the electricity supply voltage is the same as that indicated on the appliance rating plate.

11.2 Connecting to vehicle power source

Make sure no other energy source is connected (gas, 230V).

12V appliances must be connected to a vehicle cigarette lighter, which is protected with a 10A fuse.

24V appliances must be connected by inserting a terminal block and switch and protected with a 5A fuse. The switch must be suitable for switching a 5A current.

11.3 Connecting to gas cylinder

Make sure no other energy source is connected (230V, 12V).

The unit must not be connected to town or natural gas pipelines. It is only suitable for use with propane/butane gas (e.g. Calor Gas, Camping Gaz, Caravangas, etc.).

The mobilCooler is equipped for a specific gas-pressure, corresponding to the standard pressure of the country in which it is sold. The rating-plate states the pressure that is correct. It is important that a non-adjustable pressure-regulator is used to reduce the pressure in the gas cylinder to the operating pressure specified on the rating-plate. No other pressure may be used.

Needle valve-operated gas control taps are NOT suitable for use with this appliance and must not be used as a substitute for a pressure regulator.

11.4 Connection of gas supply

(The following instructions refer in the main to coolers manufactured in the United Kingdom. For other countries please refer to your supplier.)

Always connect in the following sequence:

GAS BOTTLE → PRESSURE-REGULATOR →
→ APPLIANCE.

To connect the appliance to the pressure-regulator an APPROVED GAS TUBING should be used. This should be minimum in length - have an inside dimension of 8mm and be marked BS3212/2/8.

The pressure-regulator must be compatible for Butane 11 in (28 mbar) or for Propane 14 in (37 mbar).

To connect the pressure-regulator to the gas bottle, the valve of the gas bottle must be closed. After connecting the pressure regulator to the bottle by screwing, connect the two ends of the tubing to the nipples and secure them with the two hose clipse. (Figure 11).

When fitting the connection to the gas inlet of the appliance (Figure 11), hold the counterpart to avoid straining and possibly damaging.

The gas bottle (Butane, blue bottle) may only be used in an upright position and particular care must be taken every time the appliance is connected to the gas bottle to ensure that there are no leaks, that the tubing (rubber hose) is not under tension or kinked, and that it is not in contact with hot surfaces.

The tubing and the gas bottle should always be located in positions where they will not be tripped over or otherwise inadvertently disturbed.

Before attempting to light the burner, every time after connection, turn on the gas at the bottle and check the gas connections for leaks by applying a soap and water solution over them and watching for bubbles, which would indicate a leak.

After testing dry off traces of detergent.

11.5 Connection of gas cartridge

As an option, a "mobiCool Gas Kit" can be delivered. Please contact your distributor. The instruction for use is supplied with the kit.

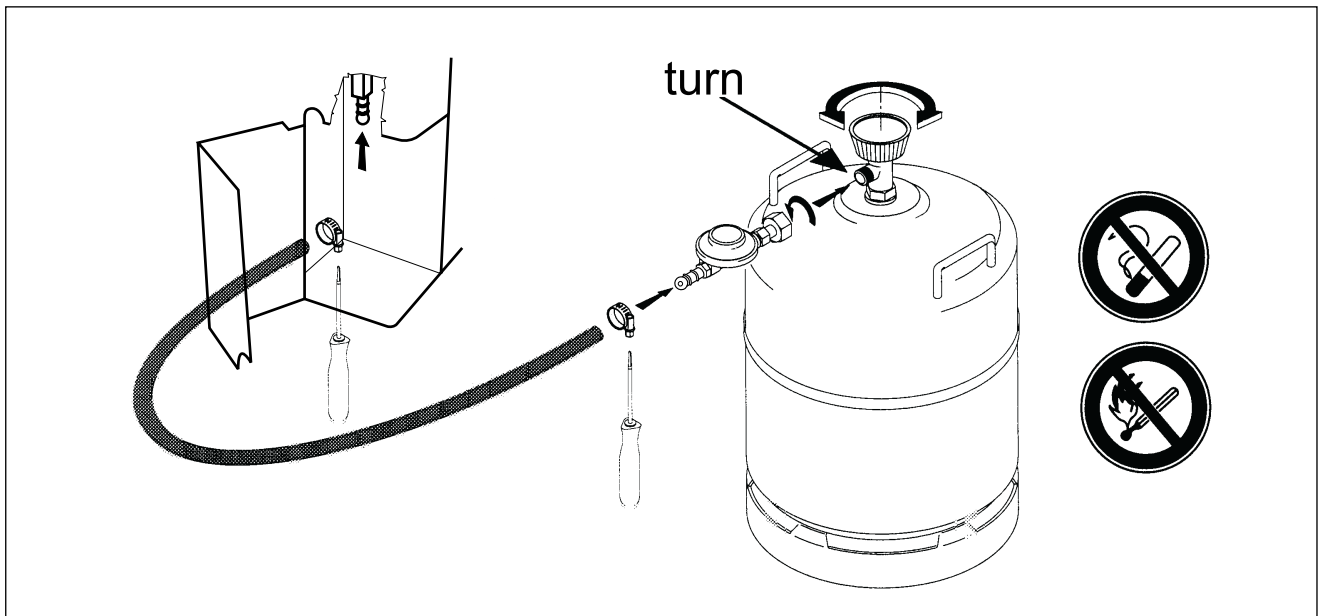


Figure 11.



For your safety:

Do not check for leaks with a naked flame! Do not smoke while checking for leaks!

12. Environmental protection information

The appliance does not contain any CFCs/HCFCs.

Ammonia (natural hydrogen and nitrogen compound) is used as a refrigerating agent in the refrigeration unit.

The ozone-friendly cyclopentane is activated as a motive agent for the PU foam insulation.

Sodium chromate is used for corrosion protection (less than 2 weight % of the coolant).

13. Recycling

After unpacking the appliance, the packing materials should be delivered to a local collection site. At the end of its useful lifetime, the appliance should be delivered to a specialised collection and reprocessing firm, which reclaims the usable materials. The rest is properly destroyed.

This appliance complies with the following EEC directives:

LVD-Directive	73/23/EEC with amendment 90/683/EEC
EMC-Directive	89/336/EEC
Gas-Directive	90/396/EEC.

