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1307 Cabinet heater - butane

Cabinet Heater

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read all of this leaflet BEFORE using the Cabinet Heater

1. Butane gas is highly flammable and must always be used with great care.
2. The heater is designed to provide general radiant and convected heat in adequately ventilated rooms.
3. Radiant heat from the heater can damage nearby objects as well as presenting a fire risk. Ensure there are no objects close enough to the heater to get hot.
4. Plan the use of the heater to ensure it can always be used safely. Remove any risk of objects catching fire or persons being burnt before leaving the heater unattended.
5. The heater must not be lit, moved or adjusted and the gas cylinder must not be changed by minors or by anyone under the influence of drugs or alcohol.
6. The heater is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using it.

BUTANE GAS SAFETY

1. Keep gas cylinders upright at all times whether in use, in store or being moved.
2. If there is suspicion of there being a gas leak, turn off the heater using the control tap. Put out any naked lights or other sources of ignition. Ventilate the area by opening windows or doors.
3. Never look for a leak with a naked flame – this is always extremely dangerous. Use soapy water.

(Continued overleaf...)

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Gas Regulator *(Continued...)*

4. Turn the control tap right round to the DISCONNECT position. On some regulators you may need to press a safety button to turn the control tap pas the "off" position.
5. There may be a "quick release" regulator that disconnects simply by pressing the release button when the control tap is in the "off" position.
6. The complete regulator assembly can now be lifted off the top of the cylinder. Rest the regulator on the heater, taking care not to damage the hose and regulator.
7. Take any protective plastic cover off the valve connection on the new gas cylinder and save it for refitting to the old cylinder.
8. Check the valve connection on the new cylinder is the same as the one on the old cylinder. If it is different, do not try to fit the new cylinder. This could be very dangerous. Refit the old cylinder and contact the hire company.
9. If the valve connections are the same, remove the empty cylinder, cover its valve with the protective plastic cover taken from the new cylinder and put the empty cylinder in a safe location.
10. Put the new full cylinder in place in the heater. Remember to take care – the new one will be heavier than the empty one.
11. Place the regulator firmly in position on the cylinder valve and turn the control tap to the OFF position. This will lock the regulator to the valve. The heater is now ready for use.
12. If the heater has a "quick release" regulator place it in position on the cylinder valve and push down. This will lock the regulator to the valve. The heater is now ready for use.
13. If it is suspected that the cylinder connection is not gas tight, do not try to light the heater. Check that the control tap is in the OFF position. Contact the hire company immediately.
14. If the heater does not work properly, do not try to repair or adjust it – contact the hire company.

Please keep this leaflet safely as it may be required for future reference

Hire Association Europe
2450 Regents Court
The Crescent
Birmingham Business Park
Solihull B37 7YE

Telephone: 44 (0) 121 380 4600
Fax: 44 (0) 121 333 4109
Email: mail@hae.org.uk
website: www.hae.org.uk

BUTANE GAS SAFETY *(Continued...)*

4. If the cylinder is leaking, call the fire service and evacuate the area.
5. Do not attempt to repair any suspected leaks. Contact the hire company immediately.
6. In some conditions, frost may form on a gas cylinder that is in use. This indicates that the cylinder is not big enough to provide the flow of gas.
7. Do not try to warm the cylinder to remove the frost. Take care when handling a frosty cylinder as the cold can cause frost burns.
8. Handle cylinders carefully when moving them. Do not drop them off vehicles – get an assistant to help lower them safely.
9. Keep unused and empty cylinders away from heat at all times.

WORK AREA

1. Do not use this heater where is a fire risk from combustible materials, or flammable liquids and gases.
2. Ensure the heater is only used in rooms where there is adequate ventilation or a supply of fresh air. If the heater does not get a good supply of fresh air the gas will not burn properly. Fumes from this incomplete combustion are very dangerous.
3. Ventilation in the room can also help reduce the amount of condensation produced by the heater.
4. Ensure there are no burnable materials such as curtains or upholstery in front of the heater where they may get hot.
5. The heater is best positioned facing into the centre of the room.

CABINET HEATER

1. Check the heater including fireguards, hoses and cylinders. If anything is found to be damaged, do not use the heater: contact the hire company.
2. Check the gas regulator on the heater matches the valve on the cylinder. Do not try to force connections or improvise them.
3. Do not place clothes or other material on or over the heater.
4. Use an additional fireguard if the heater is to be left unattended in a room with children or infirm persons.
5. The heater is not designed for use as a cooker. It must never be used to heat food or boil water.
6. Put the heater into position before lighting; never move the heater while it is lit.
7. Only use the heater upright on its wheels on a level floor. Do not lay it down or raise it on a stand.
8. Ensure all of the controls are understood. Before lighting the heater always know how to turn it off.

Before Starting Work...

USING THE HEATER

Lighting the Heater

1. If the gas cylinder requires fitting, follow the instructions in the section headed 'Changing the Gas Cylinder'.
2. Ensure there is nothing in front of the heater that could catch fire.
3. Turn the main control tap to the ON position.
4. Some heaters have a push button to ignite; others have a position on the control knob. Push or turn until the ignition control clicks. If the pilot light is lit, hold the control in the ignition position for about 10 seconds. This allows the safety devices to come into operation.
5. When the pilot light and heater plaque flames have heated up the safety devices, the ignition control can be released and the heater can be set to the desired heat setting.
6. When lighting a cold heater for the first time, you may need to click and hold the ignition control two or three time before the heater ignites properly.
7. Do not move the heater whilst it is alight.

Turning off the Heater

1. Turn the main control tap to the OFF position.

CHANGING THE GAS CYLINDER

Heater off

1. Turn the heater off by turning the control tap to the OFF position.
2. Wait until the flame has gone out completely. If the flame does not go out, call the hire company immediately.
3. Ensure there are no naked flames nearby and that the room is well ventilated.

Gas Regulator

1. There are several different types of gas regulators available. This is the device that reduces the gas pressure to that required by the heater. They all incorporate the control tap.
2. Different size regulator assemblies will only fit certain gas cylinders. Do not try to force or improvise connections if you have the wrong cylinder for the heater.
3. The various types of regulator may have different methods of being connected and disconnected with the gas cylinder. Follow these instructions below.

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Hire Association Europe
2450 Regents Court
The Crescent
Birmingham Business Park
Solihull B37 7YE

Telephone: 44 (0) 121 380 4600
Fax: 44 (0) 121 333 4109
Email: mail@hae.org.uk
website: www.hae.org.uk

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