

5. Turn the gas off by turning the hand wheel on the cylinder valve fully clockwise to the OFF position.
6. Make sure that there are no naked flames nearby, and that the area is well ventilated.

### PROPANE REGULATOR

1. The gas regulator is the device that reduces the gas pressure in the cylinder to that required by your heater. Some regulators are adjustable others are fixed. DO NOT attempt to adjust the regulator it has been set to suit the patio heater by the hire company.
2. Unscrew the regulator connecting union using the correct spanner. This union has a left hand thread.
3. Put the regulator assembly to one side, taking care not to damage the hose and union assembly.
4. Take any plastic protective plug out of the valve on the new cylinder and save it for refitting to the old cylinder.
5. Check that the valve connection on the new cylinder is the same as the one on the old

cylinder, and that the threads are undamaged. 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.

6. If the valve connections are the same, move the empty cylinder to a safe location. Position the new cylinder in place in the patio heater; ensure the gas hose is not strained. Remember to take care – the new cylinder will be heavier than the empty one.
7. Fit to the empty cylinder any plastic protective plug kept from the new cylinder.
8. Check that the threaded connection on the regulator is clean and undamaged. Carefully fit the connector by hand – it has a left hand thread. When the connector is threaded properly, do it up hand tight, then tighten fully using the correct spanner. The heater is now ready for use.
9. If you suspect that the cylinder connection is not gas tight, do not try to light the heater.
10. Check that the valve hand wheel is turned fully clockwise to the OFF position. Contact the hire company immediately.

### Using The Heater

1. Do not use the patio heater in windy conditions, the wind can affect the combustion process and may even extinguish the flame.
2. Do not allow persons or objects to come within at least one metre of the heat source, this includes one metre above the top
3. Never leave the heater on overnight when unattended, turn off main valve.
4. Keep the gas jets and burner free of debris including cobwebs which may form if the heater is stored in an external shelter.
5. If your heater does not work properly do not try to repair or adjust it. Contact the hire company.

**Please keep this leaflet safely. It may be required for further information**

### It is important to read this entire leaflet before using the Patio Heater

1. Plan the use of the heater so that it can always be used safely. Remove any risk of objects catching fire or persons being burnt before leaving the heater unattended.
2. LPG gas, whether butane or propane is highly flammable and must always be used with great care.
3. The patio heater is designed to cast a downward heat shadow up to 6 metres (20') diameter in patios, marquees and other adequately ventilated areas.
4. The patio heater must not be used indoors or in poorly ventilated areas.
5. Heat from the equipment can damage nearby objects as well as presenting a fire risk. Make sure that there are no objects near enough to the heater to get hot; this includes items above the heater.
6. Do not use in windy conditions, the combustion process can be adversely affected.
7. 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.
8. The heater is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



### LPG GAS SAFETY

1. Gas cylinders supplied for this heater must be kept upright at all times whether in use, in store or being moved.
2. If a gas leak is suspected, turn off the heater using the control tap. Extinguish any naked lights or other sources of ignition. Ensure the area is well ventilated to allow any gas to dissipate.
3. Never look for a leak with a naked flame – this is extremely dangerous. Use soapy water.
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 the cylinder is not large enough to provide the flow of gas that is being used. Contact the hire company.
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 – ask for assistance to lower them safely.
9. Keep only the minimum LPG cylinders required. Store unused and empty cylinders separately and safely away from heat at all times.



## Before Using The Heater

### WORK AREA

1. Do not use this heater where there is a fire risk from combustible materials, or flammable liquids and gases.
2. Make sure that the heater is only used in areas 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. Prevent children or pets from entering a safety zone around the heater, erect temporary barriers.
4. Place the heater in a safe position away from people's normal route. It should be on a flat, level, rigid, hard surface.
5. NEVER operate a patio heater indoors, it could be lethal. Heaters designed for indoor use have different protection systems to ensure their safe use.

### PATIO HEATER

1. Wear flame retardant clothing when setting up and lighting the heater. Do not wear loose fitting garments.
2. Check your heater, including fireguards, hoses and cylinders. If anything is found damaged, do not use the heater: contact the hire company.
3. Do not attempt to modify or change any fixtures or parts of this equipment. Do not try to defeat any safety mechanisms
4. Do not place clothes or other material on or over the heater.
5. Check that the gas regulator on your heater matches the valve on the cylinder. Do not try to force connections or improvise them.
6. The heater will be hot during use and for some time after it is switched off. Take care. Use an additional fireguard or erect temporary barriers if the heater is to be left unattended in an area with children or infirm persons.
7. The heater is not designed for use as a cooker. It must never be used to heat food or boil water.

## Before Starting Work...



8. Put the heater into position before lighting it; never move the heater while it is lit.
9. Only use the patio heater upright on its base on a level floor. Do not use it in any other way.
10. Make sure you understand all of the controls. Before you light the heater you must know how to turn it off.

### How To Use The Heater

#### LIGHTING THE HEATER

1. If you need to fit the gas cylinder, follow the instructions in the appropriate section headed "Changing the butane gas cylinder" or "Changing the propane gas cylinder".
2. Check that there is nothing near to the patio 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 heat up and come into operation.
5. When the pilot light and heater plaque flames have heated up the safety devices, release the ignition control and set the heater 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 times before the heater ignites properly.
7. You should not move the heater while it is alight.

#### Turning Off The Heater

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



### CHANGING THE BUTANE GAS CYLINDER

#### Heater off

1. Depending on model / type of heater, turn off all the controls for normal shut down.
2. Wait until the flame has gone out completely. If the flame does not go out, contact the hire company immediately.
3. Once the flame has gone out, allow the heater to cool down for a few minutes.
4. Depending on model / type of heater, remove the cylinder cover to expose the cylinder.

#### Butane regulator

1. Ensure there are no naked flames close-by and ensure the area is well ventilated.
2. There are several different types of gas regulators available. This is the device that reduces the gas pressure in the cylinder to that required by your heater. All regulators incorporate the control tap.
3. 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 your patio heater.
4. The various types of regulator may have different methods of being connected and disconnected with the gas cylinder.

#### Follow these instructions below:

1. Turn the control tap right round to the DISCONNECT position. On some regulators, a safety button may need to be pressed to turn the control tap past the 'OFF' position.
2. There may be a 'quick release' regulator which disconnects when the release button is pressed once the control tap is in the 'OFF' position.

3. The complete regulator assembly can now be lifted off the top of the cylinder. Rest the regulator on the heating taking care not to damage the hose and regulator.
4. Remove any protective plastic cover off the valve connection on the new gas cylinder and save it for refitting to the old cylinder.
5. 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.
6. If the valve connections are the same, remove the empty cylinder, cover the valve with the protective plastic cover taken from the new cylinder and put the empty cylinder in a safe location.
7. Place the new cylinder in the heater. Remember – the new cylinder will be heavier than the old one.
8. Taking care not to strain the hose, 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.
9. If it is a 'quick release' regulator, place in position on the cylinder valve and push down. This will lock the regulator to the valve. The heater is now ready for use.
10. If the cylinder connection is suspected of not being gas tight, do not try to light the heater. Check the control tap is in the 'OFF' position. Contact the hire company immediately.

### CHANGING THE PROPANE GAS CYLINDER

1. Depending on model/type of heater. Turn off all the controls for normal shut down.
2. Wait until the flame has gone out completely. If the flame does not go out, call the hire company immediately.
3. With the flame out, allow the heater to cool down for a few minutes.
4. Depending on model/type of heater, remove the cylinder cover to expose the cylinder.