

Finally, adjust the gas regulator to produce the heat output required. Clockwise to increase, anti-clockwise to reduce.

### EQUIPMENT CARE

**Only use the heater for the purpose it was designed for.** Improper use may cause expensive damage and could be dangerous. If it will not do what you want, assume you have the wrong equipment for the job. Contact your local HSS Hire Shop for advice.

**Keep the equipment clean.** You will find less of a chore if you clean it regularly, rather than wait until the end of the hire period.

**Handle gas bottles with care.** Any protective plugs supplied must be fitted to the valve when not in use.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves.

**Remember, propane regulators have a reverse thread-** turn them anti-clockwise to tighten, clockwise to undo.

**When not in use and to avoid damaging the thread, always fit the regulator with its protective cap, or to its storage point on the heater.**

### FINISHING OFF

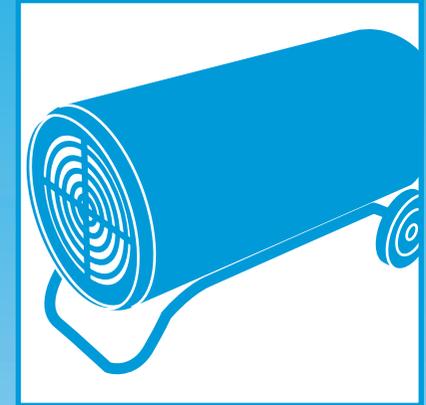
**Turn off the gas supply** at the cylinder's valve and **wait for the flame to die**, Keeping the fan running throughout. Once the heater has cooled, **switch OFF the fan and disconnect the heater from its power supply.**

You can now **disconnect the gas regulator from the cylinder** ready for return.

**If you do remove the gas bottle, check the valve for leaks before fitting its protective plastic plug.**

## Operating & Safety Guide 543

# HSS Hire Shops



## Forced Air Heaters

### Easiheat E150 & E280

Powerful propane-fired heaters for industrial and site use.

Producing up to 280,000 BTU.



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Group Office: 25 Willow Lane, Mitcham, Surrey CR4 4TS



Code 56620/56640

## GENERAL SAFETY

**For advice on the safety and suitability of this equipment contact your local HSS Hire Shop.**

**Keep children, animals and bystanders away from the heater.** Never leave them alone when the heater is in use.

**Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.**

**This equipment should only be used by a competent person who has read and understood these instructions.**

**Ensure the area is adequately ventilated to prevent the build-up of toxic fumes and condensation.**

## Gas Safety

Propane gas is highly flammable. It is also heavier than air, increasing the risk of explosion in the event of a leak. So... **ALWAYS** double-check all gas supply connections for leaks (smear them with washing-up liquid and look for bubbles). **ALWAYS** handle gas bottles, hoses and connectors with care. **ALWAYS** store bottles in a cool, safe place: away from heat and ignition sources and away from drains and other places where leaked gas could collect.

NEVER smoke or allow naked lights into the area while changing gas bottles.

NEVER test for leaks with a naked light!



**Suitable gloves should be worn when handling this equipment.**



**Gas cylinders are heavy, never attempt to lift a cylinder, full or empty, by your self. Always get help.**

**Never use the heater if highly flammable vapours - petrol or paint thinner fumes for example - are present, nor in a dusty environment.**

**Keep combustible materials at a safe distance-** at least 1.5m 5ft- and **Never stand in front of an industrial heater.** If necessary, use a suitable fire-guard.

**Never place anything on top of a heater and never obstruct its air vents.** Leave a 300mm (12in) gap all round to let air circulate.

**Keep gas cylinders upright at ALL times, during use, transporting and when stored.** Don't drop or knock them as damaged cylinders can be dangerous.

**Always switch OFF and unplug the equipment when not in use,** leaving it to cool before handling it.

**Check the condition of the equipment before use.** If it shows signs of damage or excessive wear, return it to your local HSS Hire Shop.

## Safety Cut-out

Most HSS heaters have safety devices which turn them and their gas supply off if something goes wrong- say, if they over-heat or the flame gets blown out. If a cut-out trips, find out why and correct the problem before turning the heater back on. If in doubt, contact your local HSS Hire Shop.

## Gas Leaks

IF YOU SUSPECT A GAS LEAK....

Tell everyone in the vicinity to turn off or put out anything that could ignite the gas, unless this involves operating electrical switches (most generate a tiny spark).

Open doors and windows, then take all gas bottles outside check that their valves are closed.

Test each valve for leakage before replacing its plastic cap and contacting you local HSS Hire Shop.

IF A LOT OF GAS HAS ESCAPED....  
Evacuate area and call the Fire Brigade.

Information on COSHH regulations is available from your local HSS Hire Shop.

## ELECTRICAL SAFETY

**Most HSS forced air heaters plug into a standard 13amp power socket.** However, **110v heaters** (with a round yellow plug) **must be provided with a suitable 110v generated supply,** or powered from the mains via a suitable 110v transformer.

**If the equipment fails, or if its flex or plug gets damaged, return it.** Never try to repair it yourself.

**Keep flexes out of harm's way,** and clear of moving parts. **Extension leads should be fully unwound and loosely coiled, away from the equipment.** Never run them through water, over sharp edges or where they could trip someone.

**Using electrical equipment in very damp or wet conditions can be dangerous.**



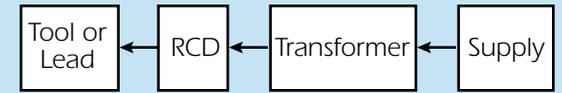
**To reduce the risk of electric shock, use a suitable RCD** (Residual Current-Operated Device) available from your local HSS Hire Shop, or power 240V (Not 110V) equipment from a power circuit with a built-in RCD.

**Never carry or pull the equipment by its flex.**

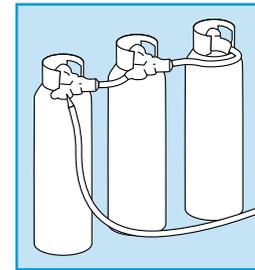
## Siting an RCD

When used with a transformer an RCD will only protect the user if fitted between the transformer and the tool being used.

An RCD fitted between the power supply and the transformer only protects up to the transformer.



## FROST WARNING



**Liquid gas can cause severe 'freeze burns' so avoid skin contact by wearing gloves** when making connections.

**This cooling effect may also result in the formation of frost around cylinder connections. Having satisfied yourself that this is not due to a leak, you**

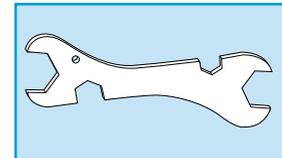
**can ignore it or wipe it off with a cloth.**

**Never apply heat to the cylinder or equipment.**

Alternatively, **reduce frosting by supplying the heater from two or more cylinders** connected via suitable couplings, available from your local HSS Hire Shop.

## GETTING STARTED

**Set the equipment up on firm level ground and screw the gas regulator onto the propane cylinder's valve, turning it anti-clockwise to tighten (it has a reverse thread) and tighten up with the spanner provided.**



**Then open the cylinder valve and check for leaks.**

That done, **adjust the gas pressure** to between 5 and 15psi.

**Plug the heater into its power supply and switch on the fan.**

You can now **light the heater by holding down the gas valve and repeatedly pressing the piezo ignition button.**

**If the heater fails to light, turn off the gas at the cylinder and allow it to disperse before trying again.**

**Once lit, release the ignition button and continue to hold down the gas valve** for about 15 seconds.