



Standard Circular Bitumen Boiler User Instructions

Always wear the appropriate protective clothing when working with hot materials

- 1] All LPG (liquid petroleum gas) cylinders must be handled with care, the cylinder(s) must be sited at least 3 metres from the appliance. Ensure you have read the safe use and handing of propane cylinders issued by your gas supplier.
If, for any reason the cylinder(s) have been in the horizontal position (laid on their side) they should be stood upright and allowed to stand for 30 minutes before any attempt is made to connect the regulator.
Always ensure that the cylinder is seated on a level surface.
When using bitumen boilers without thermostat-controlled burner, ensure that you have a calibrated thermometer to monitor the temperature of the bitumen.
- 2] Regulator connections should be inspected and cleaned before coupling to the cylinder(s)
5. Flexible Metal braided hose should always be used and should meet the required British Standard BS3212/2 ¼" (6mm) bore and should be a minimum of 4 metres long having both ends crimped.
Use only certified hoses to BS:3212 or BS: EN:1763-1 or BS:EN:16436-1 which bear the year and name of manufacturer or stainless steel convoluted hoses marked EN:10380 as LPG attacks and erodes natural rubber.
- 3] Regulators should be 0-2 bar (maximum 30PSI) adjustable pressure.). Regulators must be marked BS:3016 or BS: EN:12864 or BS: EN:16129. Any regulator marked BS:3016 will be over 10 years old and should be replaced.
- 4] Always check gas connections for leaks using leak detector spray – **NEVER** with a naked flame.
- 5] Gas equipment and propane cylinders should be stored in locked containers – i.e., gas cylinder storage cage, after use.



- 6] The bitumen boiler should be sited in a safety spillage tray on a flat level surface, drip/spillage (safety) trays should be appropriate type and capable of holding the full contents of the boiler being used with a 25% additional capacity (they should **never** be filled with water or sand).
- 7] Always use the burner supplied with the boiler, the burner should always be lit outside of the boiler on a low flame. Insert burner and slowly increase pressure to required heat. Ensure before turning the burner to its full capacity, that it is inserted fully into the boiler – positioned against the internal ‘burner stop’ buffer.
- 8] NEVER heat bitumen above its working temperature.
NEVER overfill the boiler – bitumen when heated expands by approx. 25%
NEVER leave the boiler unattended whilst lit.
NEVER leave the lid off the boiler.
NEVER transport a boiler whilst lit.
NEVER drain the boiler whilst the burner is lit.
- 9] Always turn the propane cylinder valve off first, when shutting down the boiler to dispose of all un-used gas remaining in the system.
- 10] Fire extinguishers should always be sited close to the boiler whilst in use, and clearly visible (i.e., Fire Point Trolley).
- 11] If a boiler fire occurs, where possible, turn off the gas supply immediately and replace the lid if not on the boiler. Disconnect the cylinder and remove to a safe area, and notify the FIRE SERVICE if required.



- 12] Never attempt to warm propane cylinders by placing them close to the boiler, or attempt to free up frozen bottles with external heating to propane cylinders. This is **extremely dangerous** and must never be practised. Propane gas suppliers written use of Propane Cylinders says; **Never** subject a cylinder to heat as the pressure inside could build up to exceed the safe limit.
A water jacket is the correct form of heating a cylinder.
- 13] In very cold weather propane cylinders must be coupled together by means of a bottle manifold, both cylinders should be used together to reduce freezing of cylinders.

Any questions?

Call us! Tel # 020 8 539 8746

