



## SSS2 Atmospheric Gas Unit Heaters Main Service Schedule Per Burner

### SERVICE DESCRIPTION

- 1] Function test unit and make sure it is working and not broken down.  
{If it is not working inform customer as fault finding is not part of service}.
- 2] Isolate heater and disconnect from fuel supply.
- 3] Remove burner assembly.
- 4] Check and clean pilot assembly.
- 5] Check and clean high tension electrode {Piezzo ignitor}.
- 6] Check and replace thermocouple if it shows signs of burning.
- 7] Check and clean main burner injectors.
- 8] Check and clean all mixing chambers and main burner.
- 9] Check and clean cross lighting system on pilot shroud.
- 10] Check all connections and securing fasteners.
- 11] Check burner to H/X seals and bolt welds.
- 12] Clean out bottom of heat exchanger.
- 13] Refit burner and remake connections.
- 14] Remove heater side panels and check all insulation.
- 15] Remove H/X access panel and pull out baffles.
- 16] Clean dust and debris from inside heat exchanger.
- 17] Refit baffles fit new seal and check security of bolts.
- 18] Check fan and clean blades on ventilation fan.
- 19] Check all electrical connections remake if required.
- 20] Refit all side panels and check flue connection.
- 21] Relight pilot light and carry out gas train leak test.
- 22] Check correct operation of composite valve on pilot outage.
- 23] Check time and temperature controls and set as required.
- 24] Check condition of wiring between heater and controls.
- 25] Fire up unit and check operation of fan/limit stats.
- 26] Set gas pressure to the correct rated pressure.
- 27] Check flue for spillback and security.
- 28] Function check all controls and reset to correct settings.
- 29] Check all flexible connections and joints back to the unit fuel isolation valve.
- 30] Check ventilation requirements and effect of any extract.
- 31] Inspect flame pattern with all fans running.
- 32] Fill in report sheet and get signed by customer.
- 33] Report any defects and send estimate for the cost of rectification. Leave signed yellow copy of job sheet on site for customer.

### VISUAL CHECKS

- a) Is combustion analysis correct and safe.
- b) Is the boiler water tight and the flue ways gas tight.
- c) Is the flue structure safe and bracketed OK.
- d) Is there any flue spillback or blockages.
- e) Are there any combustibles stored near the unit.
- f) Are any air vents blocked or wrongly positioned.
- g) Is the gas/oil main in good condition and safely bracketed.  
Gas main soundness is not part of this service.
- h) Do the gas/oil main isolation valves work and is the main coded.
- i) Is the gas/oil main made of the correct material for the site.
- j) Are flexible connections fitted on unit heaters and radiants.
- k) Is the gas/oil main correctly sized.
- l) Is the oil tank in good condition and is the correct sized filter fitted.
- m) Is earth bonding fitted (inform customer if not)
- n) Is the combustion ventilation fitted safely and not blocked.

### CONDITIONS AND EXCLUSIONS

All work will conform to the "GAS SAFETY (INSTALLATION & USE) ACT 1998".

{We have the right under this act to turn off any unsafe equipment and we will do so}

- a) The cost of any replacement parts and the labour to fit them.
- b) Major resetting (re-commissioning) of burner or distribution system.
- c) Repairs to leaking fuel lines, boilers and distribution system.
- d) Removal/replacement of any obstruction round unit preventing service.
- e) Disconnection and refitting of any flues, ducts, conduits or similar. Cleaning of main and secondary flues
- f) Cleaning fuel lines internally and/or purging air from gas and oil pipework.
- g) Soundness testing of gas mains connected to more than two units.
- h) Any form of waiting time enforced on engineers is chargeable.
- i) Work over 12ft from floor will require our "Access Pack" which is chargeable at £ 36.89 per hour complete with all safety aids.
- j) Disposal of all arisings from the site is the customers responsibility.
- k) We reserve the right not to work in any unsafe environment or with any unidentified materials.