

MAINTENANCE INSTRUCTIONS FOR GENERATOR FLUE SYSTEMS AND ACCESSORIES

This guidance is based on the assumption that the installation is designed, manufactured and installed to good practise standards, including relevant British standards, for example:

BS EN1443 Chimneys – General requirements

BS 715 Specification for metal flue pipes, fittings, terminal and accessories

SS 4076 Specifications for steel chimneys 1989.

BS 4543 Parts 1,2 &3

1956 Clean Air Act Memorandum

BS 6644.

Extreme care must be taken while inspecting any pressurised system or components.

A visual inspection of the installed system(s) shall include the following:

FLUES

Check, where possible, that the internal flue ways are clean and free of obstructions, particularly at the base of the vertical risers.

Check that the flues are not physically damaged or corroded and that all the supports are secure to product and building, examine for loosening of threaded fastening and deterioration of fixing anchored used.

Check that the termination cowl is free and clear of any obstruction and that the product of combustion cannot cause a nuisance to site.

EXPANSION BELLOWS

Immediately after the system has been in operation, a visual inspection shall be carried out. This is to ensure that the joints, in the manner for which they were designed are absorbing the thermal expansion.

Stainless steel expansion bellows should be checked for cracks or fractures. The bellows shall be inspected for evidence of unanticipated vibration.

- It is important that the engineer is suitably qualified and competent to undertake any work or maintenance that may be required.
- Maintenance should be monitored on a regular basis and logged for future reference.
- Maintenance frequencies are dependant upon the environment in which the plant is operated and the nature of the operation
- By not following the above procedures could result in inefficient flue and chimney performance which will result in increased energy consumption and a direct effect on the environment due to inefficient removal of the products of combustion.

Maintenance schedule for flues and chimney systems attached, this programme of periodic inspection shall be planned and conducted throughout the operating life of the system.