

SSS4 Gas Pressure Testing of Pipe-work Installations Industrial and Commercial Premises

TASK DESCRIPTION

- 1] Function test all units and make sure they working and not broken down.
Check Power supply and Fuel supply.
- 2] Electrically isolate all units.
- 3] Turn off all units fuel valves.
- 4] Isolate the gas supply before the meter.
- 5] Isolate the gas main after the meter.
- 6] Soundness test the meter installation.
- 7] Carry out let by tests on the inlet and outlet gas valves.
- 8] Calculate the total volume of gas pipe on the customers side of the meter.
- 9] Calculate the test times and permitted pressure drop (if any)..
- 10] Visually check the whole installation for material and component suitability
- 11] Identify the presence of any hazardous areas and note down.
- 12] Identify the smallest area through which the gas main passes.
- 13] Identify any underground sections of gas main.
- 14] Identify if the gas installation is going to be in a steady state over the test period.
- 15] Identify the test point for the soundness test. Drill and tap one if required.
- 16] Pressurize the installation to the test pressure.
- 17] Allow stabilization period.
- 18] Commence the test period. All joints in hazardous areas to be tested with electronic gas detector and detector fluid.
All underground and hidden pipe-work will be isolated and tested separately to the new installation specification.
- 19] On completion of successful test issue a test certificate
- 20] On completion of unsuccessful test either valve off and make safe or identify leaks and re-test.
- 21] Visually check the brackets on the whole installation.
- 22] Visually check the pipe-work condition on the whole of its length.
- 23] Carry out let by checks on all the system gas valves.
- 24] Blank line
- 25] Blank line.
- 26] Open all gas main valve and re-establish the supply.
- 27] Re-light all units and re-establish the power supplies.
- 28] If incoming supply is greater than 2" Nominal bore provide 2-A4 copies of an encapsulated line drawing showing gas pipe runs, valves, units and safety shut off procedures. One to be displayed by the gas meter.
- 29] With all units running check the dynamic pressure is correct.
- 30] With all units running check the gas trains for leakage.
- 31] Check and record background level of CO .
- 32] Report all defects and the estimated cost for their rectification.
- 33] Check ventilation requirements and affect of any extract in the building

VISUAL CHECKS

- a] Is combustion correct and safe.
- b] Is the manufacturers literature on site. (Gas Safe requirement).
- c] Are the flue structures 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 made of the correct material for the site.
- h] Are flexible connections fitted on unit heaters and radiants.
- i] Is the gas main correctly sized.
- j] Is earth bonding fitted (inform customer if not)
- k] 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] We exclude the cost of any fault finding, leak tracing, 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 units preventing testing
- e] Disconnection and refitting of any flues, ducts, conduits or similar.
- f] Purging air from gas pipe-work.
- h] Any form of waiting time enforced on the 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.
- l] We reserve the right not to work in any unsafe environment or with any unidentified materials.