



Thwaits Mechanical Services Ltd

GAS TESTING AND PURGING (NON-DOMESTIC)

This form should be completed in accordance with the current requirements of IGE/UP/ or IGE/UP/1A

Serial No	47487145
-----------	----------

Registered Business	
Gas Safe Register No	4121244
Engineers Name	BYRON THWAITS
Gas Safe Register Licence number	563052
Business	Thwaits Mechanical Services Ltd
Address	15 Briarswood
	Biddulph
	Staffordshire
Postcode	ST8 6BW
Contact number	07979522596
Job Address	
Name	Study Inn
Address	
	3-7 Holy Green
	Sheffield
Postcode	S1 4JA
Contact number	02476239349
Details of Landlord/Client (or agent where appropriate)	
Name	Study Inn
Address	
	3-7 Holy Green
	Sheffield
Postcode	S1 4JA
Contact number	02476239349

Strength test details	
State test method Pneumatic (P) or Hydrostatic (H)	
Installation - New (N) - New extension (NE) - Existing (E)	
Have components not suitable for strength testing been removed or isolated from installation as necessary Yes/NA	
Calculated strength test pressure (STP) (mbar/bar)	
Test medium - air, nitrogen, water etc.	
Stabilisation period (minutes)	5
Strength test duration (STD) (minutes)	
Permitted pressure drop (% STP)	
Calculated pressure drop (mbar/bar)	
Findings	
Actual pressure drop (mbar/bar)	
Strength test Pass or Fail	
Tightness test details	
Gas type - Natural Gas (NG), Liquefied Petroleum Gas (LPG)	E
Installation - New (N) - New extension (NE) - Existing (E)	E
Could weather /changes in temperature affect test Yes*/No	X
Meter type (Diaphragm, Rotary etc.)	Diaphragm
Meter designation (u16, u40, P7 etc.)	U25
Meter bypass installed (Yes/No)	X
Installation volume (IV) Gas meter	0.25
Installation pipework & fittings (m3)	1.38
Total IV (m3)	1.793
Test medium - fuel gas, air	Diaphragm
Tightness test pressure (TTP) mbar/bar	21
Pressure gauge type (water, high SG, electronic etc.)	
MPLR† m3/hr (IGE/uP/1) or MAPD†† mbar IGE/uP/1A	
Let-by test period existing installations (minutes)	5
Stabilisation period (minutes)	5
Tightness test duration (TTD) (minutes)	15
Any inadequately ventilated areas to check? Yes/No	X
Is barometric pressure correction necessary? Yes/No	X
Findings	
Actual pressure drop (if any) mbar	0
Actual leak rate m3/hr**	0
Have inadequately ventilated areas been checked Yes/NA	N/A
Tightness test Pass or Fail	Pass

Purging procedure details	
Has a risk assessment been carried out? Yes/No	
Has a written procedure for the purge been prepared? Yes/No/NA	
Have "NO SMOKING" signs etc been displayed as necessary?	
Have persons in the vicinity of the purge been advised accordingly?	
Have all appropriate valves to and from the section of pipe been labelled?	
Where nitrogen gas is being used for an indirect purge have the gas cylinders been checked/verified for their correct content?	
Are suitable fire extinguishers available in case of an incident?	
Are two way radios (intrinsically safe) available? Yes/NA	
Are all electrical bonds fitted as necessary?	
Calculate purge volume Gas meter (m3)	
Installation pipework & fittings (m3)	1.38
Total purge volume (m3)	
Is gas detector/oxygen measuring device as appropriate, intrinsically safe?	
Findings	
Carry out purge noting final test criteria readings (O2% or LFL%)	
Purge Pass or Fail	

Indicate work undertaken	
Strength test	
Tightness test	✓
Purge	

DECLARATION OF GAS SAFETY	Date
	20/09/2017
I confirm that all of the above work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures.	
Gas operative's signature:	Responsible person's signature
Attention: Where additional safety checks have been necessary to ensure the gas system is safe, the responsible person has been informed and has accepted the results. The installation has been left operational.	

NOTIFICATION OF UNSAFE GAS INSTALLATION	Date
I confirm that all of the above work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures. However, an unsafe gas installation has been identified, details of which are listed on a separate Warning/Advice Notice	
Gas operative's signature:	Responsible person's signature

† MPLR = Maximum Permitted leak Rate †† MAPD = Maximum Allowable Pressure Drop * and ** see second page for details

GAS TESTING AND PURGING (NON-DOMESTIC)

Notes:

*Where changes in temperature and weather might adversely affect the tightness test, consideration should be given to carry out to test at another time when conditions are more stable e.g. early morning or late evening.

** Where the actual leak rate is greater than the maximum permitted leak rate, steps need to be taken to repair the leak down to a level which is acceptable or further checks will need to be carried out as follows-

- there is no smell of gas anywhere;
- all pipework within inadequately ventilated areas has been tested to MPLR for new installation and there is no perceptible movement of the gauge over the test period or, using LDF or a suitable gas detector, no indication of a leak;
- all exposed joints have been checked with LDF and/or a suitable gas detector;
- any underground pipework has had the ground over the pipework checked with a suitable gas detector using bar holes were required to break the ground surface;
- all service entries, drains and ducts into buildings have been checked with a gas detector;
- the gas detector has not moved from 0% LFL on the 0-10% LFL Scale.