
From: Gas Safe Register Technical <technical@gassaferegister.co.uk>
To: info@hertsboilers.co.uk <info@hertsboilers.co.uk>
Date: Thursday, January 2, 2025 12:58:23 PM
Subject: FW: Technical questions about TT

Hi Ming Xu,

Thank you for your e-mail regarding gas Tightness Testing.

I'll add my answers to your questions below.

1. To this point, as the 6 mbar is within permissible range, less than 8 mbar in this case, providing there is no smell gas, should we decide the test is finished and it is deemed a pass?

Answer - If the drop in pressure over a 2 minute period is within the permissible drop on an existing installation with appliances connected and no smell of gas, this would be deemed a pass result.

2. As there was still a 6 mbar drop, should I must do further test to prove where is this minor drop from, eg, isolation of gas appliances and do a further test on gas pipe only?

Answer - There is no mandatory requirement to do any further tests if the test result is a pass, however, if you were to discuss the results of the test with the gas user or homeowner, they may wish you to carry out further tests to identify the cause of the drop in pressure during the Tightness Test.

3. If I do wish to do further test on gas pipe work and on gas appliances, should any regulations prevent me doing so?

Answer - There is no regulations to prevent you from doing so, however, I would recommend you have the discussion with the gas user or homeowner before deviating from the procedure as set out in IGEM UP 1B.

4. Again if I do wish to do a further test on pipework and appliances, should I seek permission from the responsible person?

Answer - As above.

5. If the responsible person refuses to let me do test further, can I still be able to do it with my right?

Answer - As above.

6. Particularly in this situation, one of my colleagues always said, pipework only should be no drop, is there a requirement for me to prove whether or not the pipe work is having a drop?

Answer - There is no requirement for you to prove or identify the cause of the pressure drop during the tightness test as long as the drop is within the permissible drop on an existing installation with appliances connected and no smell of gas.

I hope this is satisfactory in answering your query. If you require further assistance, please do not hesitate to contact us.

Kind regards,

Technical Officer 4435

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Don't forget to check out the Technical Team podcast "Tech Talk" on

YouTube: Gas Safe Register - YouTube

Technical Officer 4435

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-----Original Message-----

From: Herts Boilers <info@hertsboilers.co.uk>

Sent: 01 January 2025 10:53

To: enquiries (Gas Safe Register) <enquiries@gassaferegister.co.uk>

Subject: Technical questions about TT

Dear sir or madam,

Happy new year!

I am a gas engineer (506542/5745815). Recently I have come across this situation on a rented house for tightness test. I and my colleagues have had some different interpretation from IGEM/UP1b, I wish you could give me a classification.

It was a rented house, a tenant was in at the time. The gas meter is E6, and gas pipework is by some 22mm copper pipes and some 15mm copper pipes, the installation volume is falling in UP1b. There are a gas boiler and gas cooker connection.

A full TT procedure was followed, and I found there was a 6 mbar drop over two minutes, I asked the tenant whether or not he have smelled gas recently, he said no.

The questions are:

1. To this point, as the 6 mbar is within permissible range, less than 8 mbar in this case, providing there is no smell gas, should we decide the test is finished and it is deemed a pass?
2. As there was still a 6 mbar drop, should I must do further test to prove where is this minor drop from, eg, isolation of gas appliances and do a further test on gas pipe only?
3. If I do wish to do further test on gas pipe work and on gas appliances, should any regulations prevent me doing so?
4. Again if I do wish to do a further test on pipework and appliances, should I seek permission from the responsible person?
5. If the responsible person refuses to let me do test further, can I still be able to do it with my right?
6. Particularly in this situation, one of my colleagues always said, pipework only should be no drop, is there a requirement for me to prove whether or not the pipe work is having a drop?

I am looking forwards to hearing from you! Thanks,

Best regards,

Ming Xu

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