Example Gas Services

Domestic job report

08/11/2026

Combined Report

CLIENT DETAILS	
Name	Sample Customer
Address	12 Example Road Sample Town
Postcode	AB1 2CD
Telephone No.	01632 960001
Mobile No.	07700 900001

JOB ADDRESS	
Name	Boiler installation
Address	12 Example Road Sample Town
Postcode	AB1 2CD
Telephone No.	01632 960001
Mobile No.	07700 900001

REGISTERED BUSINESS	
Name	Example Gas Services
Address	4 Sample Lane Sample Town
Postcode	AB1 2CD
Telephone No.	01632 960002
Mobile No.	07700 900002

Boiler tightness test · 08/11/2026

SYSTEM INFORMATION	
Installation rating	UP1B Edition 4
Installation type	Existing installation
Gas / meter designation	Natural gas / U6/G4
System operating pressure	21 mbar
Total installation volume	0.018 m³

TIGHTNESS TEST RESULTS	
Test duration	2 minutes
Start pressure	20.0 mbar
End pressure	19.8 mbar
Actual pressure drop	0.2 mbar
Test result	PASS

JOB NOTES

Illustrative example only. Boiler installation, pipe sizing, gas rate and living-room ventilation calculations combined in this report. All names, addresses and readings are sample data.

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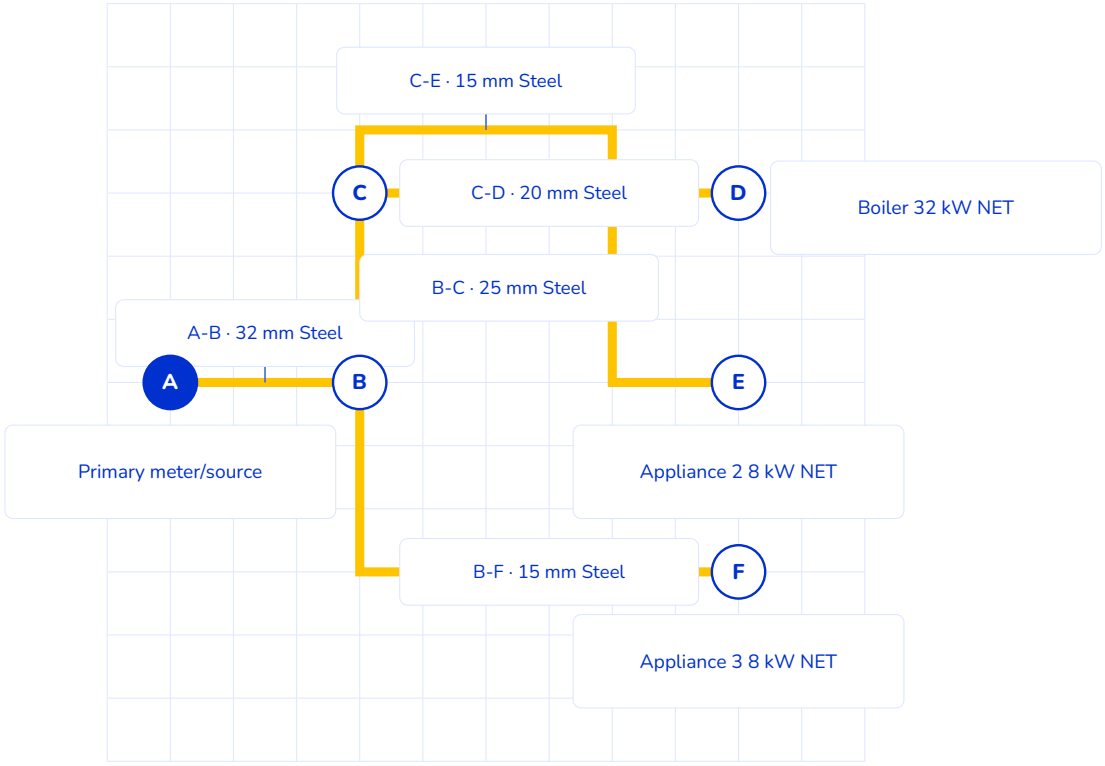
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Three-appliance pipe network · Sun 08/11/2026

INSTALLATION DETAILS	
Gas	Natural Gas
Mode	New Installation
Work context	New installation
Current design criterion	Complete meter-to-appliance route at or below 1.00 mbar
Technical reference	BS 6891:2015 Annex A
Flow policy	Total gross heat input / 10.80 kWh/m³
Pipe bore basis	BS 6891 Annex A tabulated internal bores

APPLIANCES		
Appliance	Heat input	Rating basis
Boiler	32 kW NET	Fixed rated input
Appliance 2	8 kW NET	Fixed rated input
Appliance 3	8 kW NET	Fixed rated input

PIPEWORK SCHEMATIC



Grid schematic only. Use recorded pipe lengths and fitting counts.

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NETWORK NODES	
A · Source	Primary meter/source
D	Boiler 32 kW NET
E	Appliance 2 8 kW NET
F	Appliance 3 8 kW NET
C	Junction
B	Junction

NETWORK SECTIONS	
A -> B	A-B · 32 mm Steel
B -> C	B-C · 25 mm Steel
C -> D	C-D · 20 mm Steel
C -> E	C-E · 15 mm Steel
B -> F	B-F · 15 mm Steel

PIPE SECTIONS

Section	Calculated size	Material	Actual length	Fittings	Pressure loss
A-B	32 mm	Steel	4 m	45° bends: 0 90° bends: 0 90° elbows: 4	0.10 mbar
B-C	25 mm	Steel	4 m	45° bends: 0 90° bends: 0 90° elbows: 4	0.24 mbar
C-D	20 mm	Steel	4 m	45° bends: 0 90° bends: 0 90° elbows: 4	0.46 mbar
C-E	15 mm	Steel	4 m	45° bends: 0 90° bends: 0 90° elbows: 4	0.28 mbar
B-F	15 mm	Steel	4 m	45° bends: 0 90° bends: 0 90° elbows: 4	0.31 mbar

SECTION CALCULATION DETAILS

Section	Design flow	Table flow row	Fitting allowance	Tee allowance	Adjusted length	Loss factor
A-B	4.889 m³/h	5 m³/h	4 m	0 m	8 m	0.0117 mbar/m
B-C	4.074 m³/h	4.25 m³/h	3.2 m	0 m	7.2 m	0.0331 mbar/m
C-D	3.259 m³/h	3.5 m³/h	2.4 m	0 m	6.4 m	0.0712 mbar/m
C-E	0.815 m³/h	1 m³/h	1.6 m	2.3 m	7.9 m	0.0354 mbar/m
B-F	0.815 m³/h	1 m³/h	1.6 m	3 m	8.6 m	0.0354 mbar/m

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COMPLETE APPLIANCE ROUTES			
Appliance / heat input	Meter-to-appliance sections	Route pressure loss	Assessment
Boiler 32 kW NET	A-B -> B-C -> C-D	0.80 mbar	PASS
Appliance 2 8 kW NET	A-B -> B-C -> C-E	0.62 mbar	PASS
Appliance 3 8 kW NET	A-B -> B-F	0.41 mbar	PASS

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Boiler gas rate · Sun 08/11/2026

GAS RATE RESULTS	
Gas Rate	2.220 m³/h
Gross Heat Input	23.90 kW
Net Heat Input	21.73 kW

CALCULATION DETAILS	
Meter Type	Metric (m³)
Time Source	Manual
First Reading	1234 m³
Second Reading	1234.074 m³
Test Time	2 min 0 sec

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Living room ventilation · Sun 08/11/2026

ROOM 1 · LIVING SPACE	
Required Ventilation	60 cm² EFA minimum

ROOM 1 · APPLIANCE DETAILS · APPLIANCE 1	
Appliance Type	Open Flue Appliance
Fuel	Natural Gas
Appliance Use	Space Heating
Net Heat Input	19 kW
Installation	Room / Internal Space
Ventilation Route	Direct outside

ROOM 1 • SITE CHECKS	
•	New vents must not communicate with a roof space.
•	Vents must not penetrate protected areas.
•	Check fan and extract interaction.

TOTAL APPLIANCE HEAT INPUT	
Total Net Heat Input	19 kW

CALCULATION DETAILS	
Scope	Domestic
Fuel	Natural Gas
Rooms	1

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