



British Gas Commercial Installations. Contractor Post Complete Inspection and Customer Engagement

This section of form is to be completed by the engineer to
ensure work quality and compliance

Company name:

South Heat and Electrical Ltd

Operatives:

St Augustine Church

Salesforce Number:

051228

Site Name:

St Augustine Church

Completion date:

4 December 2019

Appliance installed correctly and to Manufactures instructions :

Yes



Notes:

Flue installed correctly and to manufacturers instructions:

Yes



Notes:

Gas pipe sized, labelled and supported correctly:

Yes



Notes:

ECV/AECV correct and labelled:

Yes

Notes:

Safety valves fitted correctly as per regs :

Yes



Notes:

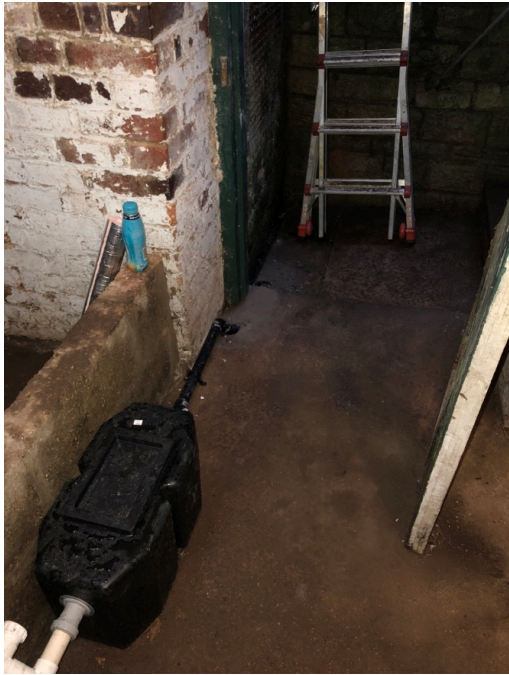
Tundish fitted correctly as per regs:

N/A

Notes:

Condensate correct material, size and termination :

Yes



Notes:

Controls correct, compatible and explained to user:

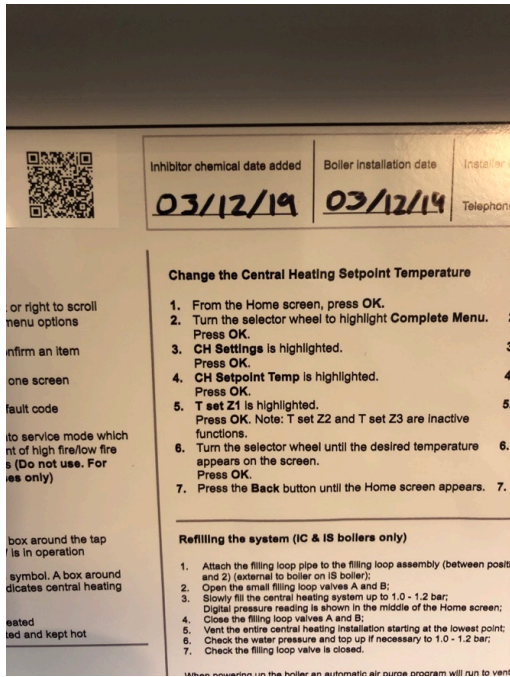
Yes



Notes:

Installation dosed and sticker visible with date:

Yes



Notes:

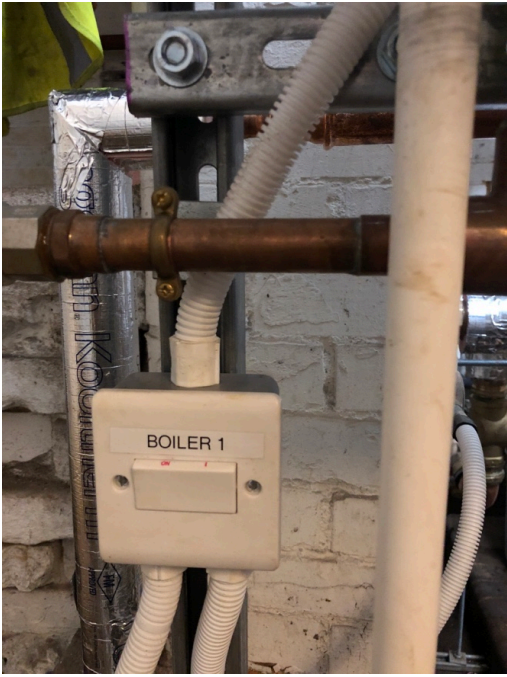
Interlock fitted correctly:

N/A

Notes:

Wiring clipped correctly:

Yes



Notes:

Smoke alarm covers removed:

N/A

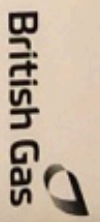
Notes:

All paperwork completed and left with customer:

Yes

One sheet per photo - Worksheet, Commissioning, Benchmark, Minor works etc.

Gas Appliance & Installation Commissioning Record



Job No: **OS1228**

Sheet No: 1 of 1

Boiler 1

Company name: **ST AUGUSTINE'S CHURCH**
 Company address: **PARISH OFFICE**
WIMBORNE ROAD, BOURNEMOUTH
 Postcode: **BH2 6NU** Tel: _____ Contact name: **RUTH**

British Gas Business Contractors Only
 Company name: **SOUTH HEAT AND ELECTRICAL LTD**
 Operative name: **MATT HENDERSON**
 Operative Card No: **4507370** Gas safe Reg No: **500104**

1. Complete one record for each appliance/installation 2. Further recording will be required for oil fired equipment & electrical work

Appliance Details	New Appliance	Old Appliance
Fuel type:	RS	OF
Appliance type:	CHB	CHB
Manufacturer:	ATAG	HANUKITNY
Model:	I40S	-
Serial No:	-	-

Appliance Commissioning Details	Low	Med	High
CO ₂ (%)	8.7	8.9	8.9
CO (ppm)	3.3	4.7	4.7
CO ₂ /CO Ratio	0.000	0.000	0.000
O ₂ (%)	21.7	21.7	21.7
Flue gas temperature (inlet °C)	2.9	4.0	4.0
Efficiency (inlet °C)	78.1	78.5	78.5
Gas rate (m ³ /hr)	0.73	3.94	3.94
Burner gas operating pressure (inbar)	20	20	20
Appliance gas inlet pressure - static (inbar)	20	20	20
Heat input (kW (net))	7.2	3.9	3.9
Flame ionisation current (µA)	-	70	70
Operating temperature setting (°C)	-	70	70
Flow temperature (°C)	-	70	70
Return temperature (°C)	-	53	53
Has the appliance been left working?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Appliance Installation Details	Yes	No	N/A
Appliance safety interlocks installed & operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas supply satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical supply satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water supply satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ventilation conforms to BS/manufacture instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flue conforms to BS/manufacture instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installation conforms to BS/manufacture instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
System configuration & controls satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturers instructions left with end user	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning notice issued	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tightness Testing Certification

Gas Installation Details	Testing scope (p1/p1A/p1B or BS5482 p12 New (N), New Extension (NE) or Existing (E))	Meter type (inductance/ultrasonic/turbine, etc)	Meter volume (Nm ³)	Pipework & fittings volume (p1-p1) (m ³)	Total installation volume (p1-p1) (m ³)	Operating pressure (inbar/psi)	Maximum operating pressure (inbar/psi)	Maximum incidental pressure (inbar/psi)	Maximum allowable pressure (inbar/psi)	Strength Test
Testing scope	p1/p1A/p1B or BS5482 p12		18	0	18	0.05	2.3 mbar	7.5	0.5	Yes
Meter volume			0		0.0313					No
Pipework & fittings volume			0		0.0843					No
Total installation volume			18		0.1156					No
Operating pressure			0		0.05					No
Maximum operating pressure			2.3		2.3					No
Maximum incidental pressure			7.5		7.5					No
Maximum allowable pressure			0.5		0.5					No

Tightness Test

Test medium (Air (A), Nitrogen (N), NG or LPG)	Test pressure (TTP) (inbar/psi)	Stabilisation period (mins)	Maximum Permitted Leak Rate (MPLR) (m ³ /hr)	Tightness Test Duration (TTD) (mins)	Let-by test period (existing valves) (mins)	Maximum allowable pressure drop (inbar)	Let-by test pressure (inbar/psi)	Test Results and Subsequent Actions
NG	21	15	5	5	10.5	0	0	Let-by test satisfactory
Recorded tightness test pressure drop (inbar)								Recorded tightness test pressure drop (inbar)
Did the section pass the tightness test?								Did the section pass the tightness test?
Joints tested by LDF or gas detector sound								Joints tested by LDF or gas detector sound

Purging Details

Written purge procedure prepared	Yes	No
Purge type - fuel gas or fuel gas & vent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Header purge volume (m ³)	0.05	
Pipework, fittings & vent hose volume (m ³)	0.088	
Total purge volume (m ³)	0.138	
Required purge flow rate (Q ₀₁) (m ³ /hr)	4.5 m ³ /hr	
Maximum purge time (secs)	120	

Test Results and Subsequent Actions

Measured purge volume passed (m ³)	0.138	
Actual purge flow rate (Q ₀₁) (m ³ /hr)	5	
Actual purge time (secs)	120	
Vent sample at finish (% gas, UFL, %O ₂)	100%	
Was purge complete? (if no, state why below)	<input checked="" type="checkbox"/>	No
Comments/recommendations:		

Declaration of Conformity

All work detailed on this document has been completed in accordance with the applicable and current Regulations, industry standards and British Gas Business procedures.

Sigs: *Matt Henderson*
 Print: **MATT HENDERSON**

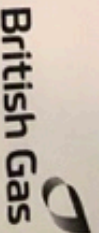
Customer signature: *Sune Helen Deedman*
 Print name: **SUNE HELEN DEEDMAN**

Date: **6th Dec 2019**

British Gas Services (Commercial) Limited, part of Centrica Plc, is a company registered in England and Wales No. 7385984. Registered Office: Adelmenton, Adelmenton Road, Winton, Bournemouth B14 5GD. VAT Registration Number: 665 9667 62

One sheet per photo

Gas Appliance & Installation Commissioning Record



521666

Sheet No.: 1 of 1

Boiler 2

Job No: OS1228 Company name: ST AUGUSTINE'S CHURCH British Gas Business Contractors Only
 Company address: PARISH OFFICE Company name: SOUTH HEAT AND REPAIR
WIMBORNE ROAD, GOVERNMENT Operative name: MATT HENDERSON
 Postcode: BH2 6W Tel: Operative Card No: 4507370 Gas safe Reg No: 500104
 Contact name: RUTH

1. Complete one record for each appliance/installation 2. Further recording will be required for oil fired equipment & electrical work

Appliance Details	New Appliance	Old Appliance
Fuel type	RS	OF
Appliance type	CHB	CHB
Manufacturer	ATAAG	HAMMILLTHY
Model	I40S	
Serial No		

Appliance Commissioning Details	Low	Mid	High
CO ₂ (%)	8.6	9	9
CO (ppm)	30	39	39
CO ₂ /CO Ratio	0.0002	0.0004	0.0004
O ₂ (%)	4.8	4.5	4.5
Flue gas temperature (inlet °C)	28	41	41
Efficiency (inlet °C)	78	78.5	78.5
Gas rate (m ³ /hr)	0.72	0.71	0.71
Burner gas opening pressure (inbar)	20	20	20
Appliance gas inlet pressure - static (inbar)	20	20	20
Heat input (W (inlet))	7.1	7.1	7.1
Flame ionisation current (µA)	70	70	70
Operating temperature setting (°C)	70	70	70
Flow temperature (°C)	70	70	70
Return temperature (°C)	53	53	53
Is appliance safe to use?	Yes	No	N/A
Has the appliance been left working?	Yes	No	N/A

Appliance Installation Details	Yes	No	N/A
Appliance safety interlocks installed & operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas supply satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical supply satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water supply satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ventilation conforms to BS/manufacturer instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flue conforms to BS/manufacturer instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Installation conforms to BS/manufacturer instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
System configuration & controls satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manufacturers instructions left with end user	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Warning notice issued	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tightness Testing Certification	Yes	No
Gas Installation Details		
Testing scope UPI/TIA/IB or BS5482 Pt2		
New (N), New Extension (NE) or Existing (E)		
Meter type (voluntary/significant/duplicate)		
Meter volume (Nm ³)		
Pipework & fittings volume (Nm ³)		
Total installation volume (Nm ³)		
Operating pressure (inbar/psi)		
Maximum operating pressure (inbar/psi)		
Maximum absolute pressure (inbar/psi)		
Gas (pressure) Resizable Movement - (inbar)		
Strength Test		
Components unable to withstand STP approved		
Permitted pressure loss (inbar/psi)		
Recorded pressure loss (inbar/psi)		
Did the section pass the strength test?		

Test (medium Air (A), Nitrogen (N), NG or LPG)		
Tightness Test Pressure (TTP) (inbar/psi)		
Stabilisation period (mins)		
Maximum Permitted Leak Rate (MPLR) (m ³ /hr)		
Tightness Test Duration (TTD) (mins)		
Let-by test period (existing valves) (mins)		
Let-by test pressure (inbar/psi)		
Maximum allowable pressure drop (inbar)		
Test Results and Subsequent Actions		
Let-by test satisfactory		
Recorded tightness test pressure drop (inbar)		
Did the section pass the tightness test?		
Joints tested by LDF or gas detector sound		

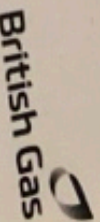
Purging Details	Yes	No
Written purge procedure prepared		
Purge type - fuel gas - fuel gas O ₂ percent <input type="checkbox"/>		
Meter purge volume (m ³)		
Pipework, fittings & vent gas volume (m ³)		
Total purge volume (m ³)		
Required purge flow rate (Gd (m ³ /hr))		
Maximum purge time (secs)		

Test Results and Subsequent Actions	Yes	No
Measured purge volume passed (m ³)		
Actual purge flow rate (Gd) (m ³ /hr)		
Actual purge time (secs)		
Vent sample of fresh (8% gas, LFL, %O ₂)		
WBS purge complete? (if no, state why below)		
Comments/recommendations:		

Declaration of Conformity
 All work detailed on this document has been completed in accordance with the applicable and current Regulations, industry standards and British Gas Business procedures.
 Sgn: Matt Henderson
 Print: MATT HENDERSON
 Customer signature: AH Daod
 Print name: JANE HELEN DEEDHAM
 Date: 6th December 2019

One sheet per photo

Gas Appliance & Installation Commissioning Record



Job No: **OS1218**
 Company name: **ST AUGUSTINE'S CHURCH**
 Company address: **PARISH OFFICE**
WIMBORNE ROAD, BOVENEMOUTH
 Postcode: **BH2 6WJ** Tel: _____

Sheet No.: 1 of 1 | **BOILER 3**
 British Gas Business Contractors Only
 Company name: **SOUTH HENT AND**
 Operative name: **MATT HENDERSON**
 Operative C and No: **4507370** Gas safe Reg No: _____

Appliance Details	New Appliance	Old Appliance
Fuel type:	NG	NG
Appliance type:	CHB	CHB
Manufacturer:	AtaGo	AtaGo
Model:	IA40S	IA40S
Serial No:		

Appliance Commissioning Details	Low	Mid	High
CO ₂ (%)	8.5	8.9	8.9
CO (ppm)	30	37	37
CO ₂ /CO Ratio	0.0003	0.0002	0.0002
O ₂ (%)	4.7	4.4	4.4
Flue gas temperature (°C)	27	33	33
Efficiency (net %)	98	98.1	98.1
Gas rate (m ³ /hr)	0.71	3.93	3.93
Burner gas operating pressure (mbar)	20	20	20
Appliance gas inlet pressure - running (mbar)	20	20	20
Appliance gas inlet pressure - static (mbar)	20	20	20
Heat input (kW (net))	70	38.9	38.9
Flame ionisation current (µA)			
Operating temperature setting (°C)		70	70
Flow temperature (°C)		70	70
Return temperature (°C)		51	51
Is appliance safe to use?	Yes	No	N/A
Has the appliance been left working?	Yes	No	N/A

Tightness Testing Certification	Yes	No
Gas Installation Details		
Testing scope (UP/TTA/TE or BS5487 p2)		
New (N), New Extension (NE) or Existing (E)		
Meter type (non-pulsating/non-pulsating)		
Meter volume (m ³)		
Pipework & fittings volume (m ³)		
Total installation volume (m ³)		
Operating pressure (mbar)		
Maximum (test) pressure (mbar)		
Maximum (operating) pressure (mbar)		
Maximum (test) pressure (mbar)		
DRM (Gauge readable Movement - mbar)		
Strength Test		
Components unable to withstand STP removed	Yes	No
Strength test pressure (mbar)		
Permitted pressure loss (mbar)		
Recorded pressure loss (mbar)		
Did the section pass the strength test?	Yes	No
Tightness Test		
Test medium (A: Air, Nitrogen (N), N ₂ or LPG)		
Tightness Test Pressure (TTP) (mbar)		
Stabilisation period (min)		
Maximum Permitted Leak Rate (MPLR) (m ³ /hr)		
Tightness Test Duration (TTD) (min)		
Let-by test period (existing valves) (min)		
Let-by test pressure (mbar)		
Maximum allowable pressure drop (mbar)		
Test Results and Subsequent Actions		
Let-by test satisfactory	Yes	No
Recorded tightness test pressure drop	Yes	No
Did the section pass the tightness test?	Yes	No
Joints tested by LDF sensors detector sound	Yes	No

Purging Details

	Yes	No
Written purge procedure prepared		
Purge type - fuel gas or fuel gas & vent		
Meter purge volume (m ³)		
Pipework, fittings & vent hose volume (m ³)		
Total purge volume (m ³)		
Required purge flow rate (GPM (m ³ /hr))		
Maximum purge time (secs)		

Test Results and Subsequent Actions

	Yes	No
Measured purge volume passed (m ³)		
Measured purge flow rate (GPM (m ³ /hr))		
Actual purge time (secs)		
Actual purge time (secs)		
Went sample of fresh (% gas, UFL, %O ₂)		
Was purge complete? (if no, state why below)		
Comments/recommendations:		

Declaration of Conformity

All work detailed on this document has been completed in accordance with the applicable and current regulations, industry standards and British Gas Business procedures.


Sign: *Matt Henderson*
 Print: **Matt Henderson**

Customer signature: *A. Good*
 Print name: **JANE HELEN DEEDMAN**

Date: **6th December 2019.**

One sheet per photo

Tel: 0845 071 4444

Worksheet  **British Gas**
Looking after your world

Job no: 051228

Customer details

Company name: ST. AUGUSTINS CHURCH Order no: 9711302315

Company address: PARISH OFFICE

WIMBORNE ROAD, BOURNEMOUTH

Postcode: BH2 6NU Tel: —

Contact name: RUTH Appointment date: 02.12.19

Account name: —

Installers name: SOUTH HEAT AND ELECTRICAL

Job details: PLANT ROOM REFURBISHMENT.

Special message: NA

Recommendations/additional work required: NA

Job complete? Yes No

Declaration of Gas Safety

I confirm that all of the work described on this form has been satisfactorily completed in accordance with the current Gas Safety (Installation and Use) Regulations, industry standards and procedures.

Technician's name: Matt Henderson Signature: [Signature] Date: 02.12.19

Customer completion certificate

Is the job completed? Yes No Please state date of completion

Has the appliance/system been demonstrated? Yes No

Have you been issued with (tick as appropriate):

Instructions Installation instructions Benchmark Certificate

Please state Other Please state

I certify that the specified work has been completed within the terms and conditions of the agreed quotation.

Customer's signature: [Signature]

Name: JUNE HELEN DEEDMAN Date: 6th December 2019

British Gas Services (Commercial) Limited, part of Centrica Plc, is a company registered in England and Wales No. 7385984. Registered Office: Millstream, Maidenhead Road, Windsor, Berkshire SL4 5GD. VAT Registration Number: 684 9667 62.

White - Customer Ple



This section of form is to be completed by the engineer
with the customer.
Only leave site once the customer is happy, any issues to
be rectified.

Customer Name:

Any Damage to the Property:

Notes:

Has waste been removed :

Notes:

Customer Instructed on Controls:

Notes:

Quality of the works:

Notes:

Are you happy with the installation :

Yes

Notes:

Excellent install team

Remedial Work Required :

No

Notes:

Any defects or recommendations on existing installation :

None noted.

Engineer:



Customer:



Additional paperwork

GAS BOILER SYSTEM COMMISSIONING CHECKLIST

Boiler 3

This Commissioning Checklist is to be completed in full by the competent person who commissioned the boiler as a means of demonstrating compliance with the appropriate Building Regulations and then handed to the customer to keep for future reference.
 Failure to install and commission according to the manufacturer's instructions and complete this Benchmark Commissioning Checklist will invalidate the warranty. This does not affect the customer's statutory rights.

Customer name: **ST AUGUSTINE'S CHURCH** Telephone number: _____
 Address: **PAKISH OFFICE, WIMBORNE ROAD, BOWENKNOOTH, BH2 6NU**
 Boiler make and model: **HT66 1705**
 Boiler serial number: **P11931102174**
 Commissioned by (PRINT NAME): **MITT HENDERSON** Gas safe register number: **S01069**
 Company name: **SOUTH HEAT AND ELECTRICAL** Telephone number: **01202 560300**
 Company address: **583 SEWTH CRESTENT, WIMBORNE, DORSET**
BH21 1XS Commissioning date: **02.12.19**

CONTROLS (tick the appropriate boxes)

Time and temperature control to heating	Room thermostat and programmer/thermostat	Load/weather compensation	Programmable room thermostat	<input checked="" type="checkbox"/>
Time and temperature control to hot water	On/Off thermostat and programmer/thermostat	Fixed	Optimum start control	<input checked="" type="checkbox"/>
Heating zone valves	Fixed	Fixed	Combination Boiler	<input checked="" type="checkbox"/>
Hot water zone valves	Fixed	Fixed	Not required	<input checked="" type="checkbox"/>
Thermostatic radiator valves	Fixed	Fixed	Not required	<input checked="" type="checkbox"/>
Automatic bypass to system	Fixed	Fixed	Not required	<input checked="" type="checkbox"/>
Boiler interlock	Provided	Provided	Not required	<input checked="" type="checkbox"/>

ALL SYSTEMS

The system has been flushed and cleaned in accordance with BS7593 and boiler manufacturer's instructions
 What system cleaner was used? **FENIX P3** Quantity **1** litres
 What inhibitor was used? **FENIX P1** Yes No

CENTRAL HEATING MODE measure and record:

Gas rate	3.93	m ³ /hr	OR	20	m ³ /hr
Burner operating pressure (if applicable)		mbar	OR Gas inlet pressure	70	°C
Central heating flow temperature		°C		51	°C

COMBINATION BOILERS ONLY

Is the installation in a hard water area (above 200ppm)?
 If yes, and if required by the manufacturer, has a water scale reducer been fitted?
 What type of scale reducer has been fitted? **NR**

DOMESTIC HOT WATER MODE Measure and Record:

Gas rate		m ³ /hr	OR		m ³ /hr
Burner operating pressure (at maximum rate)		mbar	OR Gas inlet pressure at maximum rate		mbar
Cold water inlet temperature		°C			°C
Hot water has been checked at all outlets			Yes		Temperature
Water flow rate		litres			

CONDENSING BOILERS ONLY

The condensate drain has been installed in accordance with the manufacturer's instructions and/or BS5546/BS6798

ALL INSTALLATIONS

Record the following:	At max. rate:	CO	37	ppm	AND	CO/CO ₂	8.9	Ratio	0.0002
	At min. rate (where possible):	CO	30	ppm	AND	CO/CO ₂	8.8	Ratio	0.0003

The heating and hot water system complies with the appropriate Building Regulations
 The boiler and associated products have been installed and commissioned in accordance with the manufacturer's instructions
 The operation of the boiler and system controls have been demonstrated to and understood by the customer
 The manufacturer's literature, including Benchmark Checklist and Service Record, has been explained and left with the customer
 Commissioning Engineer's Signature: *[Signature]*
 Customer's Signature: *[Signature]*



Additional paperwork

GAS BOILER SYSTEM COMMISSIONING CHECKLIST

Boiler 2

This Commissioning Checklist is to be completed in full by the competent person who commissioned the boiler as a means of demonstrating compliance with the appropriate Building Regulations and then handed to the customer to keep for future reference. Failure to install and commission according to the manufacturer's instructions and complete this Benchmark Commissioning Checklist will invalidate the warranty. This does not affect the customer's statutory rights.

Customer name: **ST AUGUSTINE'S CHURCH** Telephone number: _____
 Address: **PARISH OFFICE, WIMBORNE AVE, BAUERBERY, BH2 6NU**
 Boiler make and model: **ATHO 140S**
 Boiler serial number: **P191311012715** Gas safe register number: **SA0004**
 Commissioned by (PRINT NAME): **MIFFY HENDERSON** Telephone number: **01202 900300**
 Company name: **SOUTH HEAT AND ELECTRICAL** Telephone number: **01202 900300**
 Company address: **383 SOUTH CRESSENT, WIMBORNE, DORSET** Commissioning date: **02.12.19**

To be completed by the customer on receipt of a Building Regulations Compliance Certificate*
 Building Regulations Notification Number (if applicable): _____

CONTROLS (tick the appropriate boxes)

Time and temperature control to heating	Room thermostat and programmer/timer	Programmable room thermostat	<input checked="" type="checkbox"/>
Time and temperature control to hot water	Load/weather compensation	Optimum start control	<input checked="" type="checkbox"/>
Heating zone valves	Cylinder thermostat and programmer/timer	Combination Boiler	<input checked="" type="checkbox"/>
Hot water zone valves	Filled	Not required	<input checked="" type="checkbox"/>
Thermostatic radiator valves	Filled	Not required	<input checked="" type="checkbox"/>
Automatic bypass to system	Filled	Not required	<input checked="" type="checkbox"/>
Boiler interlocks	Filled	Not required	<input checked="" type="checkbox"/>
		Provided	<input checked="" type="checkbox"/>

ALL SYSTEMS

The system has been flushed and cleaned in accordance with BS7593 and boiler manufacturer's instructions
 What system cleaner was used? **FERNOX F15** Quantity **1** litres
 What inhibitor was used? **FERNOX F1** Yes No
 Has a primary water system filter been installed? Yes No

CENTRAL HEATING MODE measure and record:

Gas rate **3.95** m³/hr OR mbar **20** mbar
 Burner operating pressure (if applicable) **3.95** mbar OR Gas inlet pressure **20** mbar
 Central heating flow temperature **70** °C
 Central heating return temperature **53** °C

COMBINATION BOILERS ONLY

Is the installation in a hard water area (above 200ppm)? Yes No
 If yes, and if required by the manufacturer, has a water scale reducer been fitted? Yes No
 What type of scale reducer has been fitted? _____

DOMESTIC HOT WATER MODE Measure and Record:

Gas rate **NA** m³/hr OR mbar **OR** mbar
 Burner operating pressure (at maximum rate) **NA** mbar OR Gas inlet pressure at maximum rate **OR** mbar
 Cold water inlet temperature _____ °C
 Hot water has been checked at all outlets Yes No
 Water flow rate _____ l/min

CONDENSING BOILERS ONLY

The condensate drain has been installed in accordance with the manufacturer's instructions and/or BS5546/BS67198

ALL INSTALLATIONS

Record the following:

At max. rate:	CO	34	ppm	AND	CO/CO ₂	9	Ratio	0.0009
At min. rate (where possible):	CO	35	ppm	AND	CO/CO ₂	8.6	Ratio	0.0002

The heating and hot water system complies with the appropriate Building Regulations
 This boiler and associated products have been installed and commissioned in accordance with the manufacturer's instructions
 The operation of the boiler and system controls have been demonstrated to and understood by the customer
 The manufacturer's literature, including Benchmark Checklist and Service Record, has been explained and left with the customer
 Commissioning Engineer's Signature: **[Signature]**
 Customer's Signature: **[Signature]**
 (To confirm satisfactory demonstration and receipt of manufacturer's literature)

*All installers in England and Wales must be notified to Local Authority Building Control (LABC) either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer.
 Installation & Servicing



8G.51.86.01 / 03.19 Changes reserved