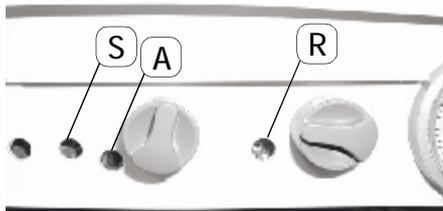
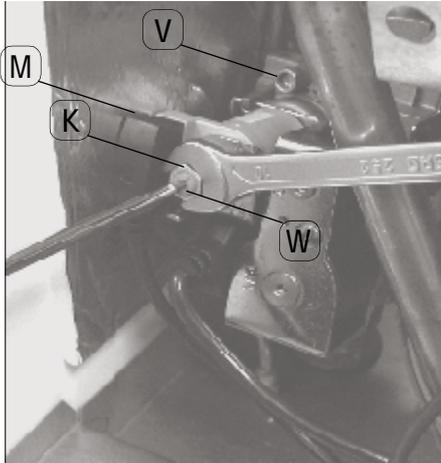


QUICKSTART

GAS CONNECTIONS



Max power adjustment

- Check gas mains supply pressure; Natural: 2 kPa, LPG: 3.7kPa
- Remove plastic cap which is positioned on top on the modulating coil
- Connect a manometre to V check pressures
- Adjust R screw in to MAX by rotating it fully clockwise
- Select CH boiler operation, While the boiler is operating, press and hold for 10seconds SPA button A, the boiler will turn off and then resume ignition sequence starting again to maximum power.
- Check the maximum fire pressure: Natural 1.3kPa, LPG 3.5kPa.
- Adjust nut K (external) clockwise in order to increase nozzle pressure and anti clockwise to decrease pressure. In LPG-fueled boilers, turn brass nut K fully clockwise.

Min power adjustment

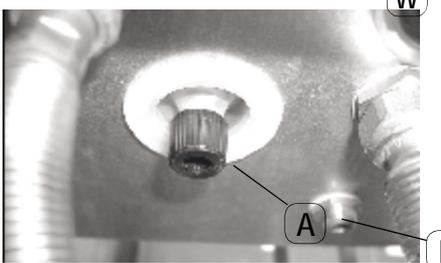
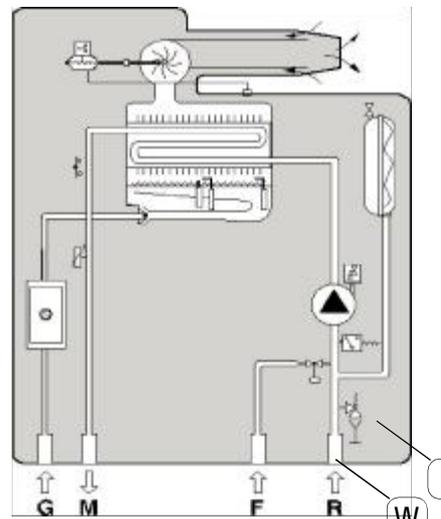
- Disconnect the electrical wiring to modulation coil M
- Turn the burner on and check min pressure; Natural 0.25kPa, LPG: 0.65kPa
- In order to adjust pressure, hold nut K still by means of a 10 mm tool, turn screw W clockwise to increase and counter-clockwise to decrease gas pressure
- Re-connect electrical wiring to modulation coil. and cycle boiler off

Start power adjustment

- Turn P ACC screw S to middle set point and restart boiler, check burner ignition to be correct and silent: should it result as incorrect or noisy, increase or decrease ignition power by acting on P ACC adjuster S (clockwise to increase, counter-clockwise to decrease)

- Install plastic protective cap, Close gas test point V and Check for gas leaks.

PIPE CONNECTIONS



Central heating connections

- R: Central heating return
- M: Central heating flow
- F: Mains or regulated pressure filling point
- W: 1/2" female over pressure waste
- G: 1/2" male gas connection. Use the M/F taper adapter on the male fitting of the isolating valve supplied.
- D: Boiler drain

Regulate knob A to control water pressure to system, cold fill to 1.5bar
Use removable link style filling to prevent the need for a RPZ backflow

By-pass valve

- If the boiler is feeding a system which has the ability to reduce flow through the boiler to zero then a by-pass valve must be fitted to prevent damaging the boiler due to excessive temperatures

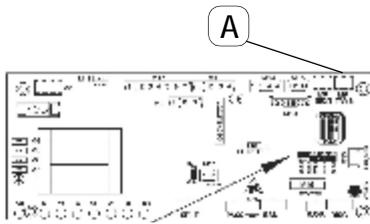
Pump jam

- It is a common requirement for the pump to be manually spun before it will start.
- Remove the expansion vessel.
- Remove the center screw from the pump body and manually turn the pump shaft using a flat head screw driver.

TAHITI GAS

QUICKSTART

ELECTRICAL CONNECTIONS



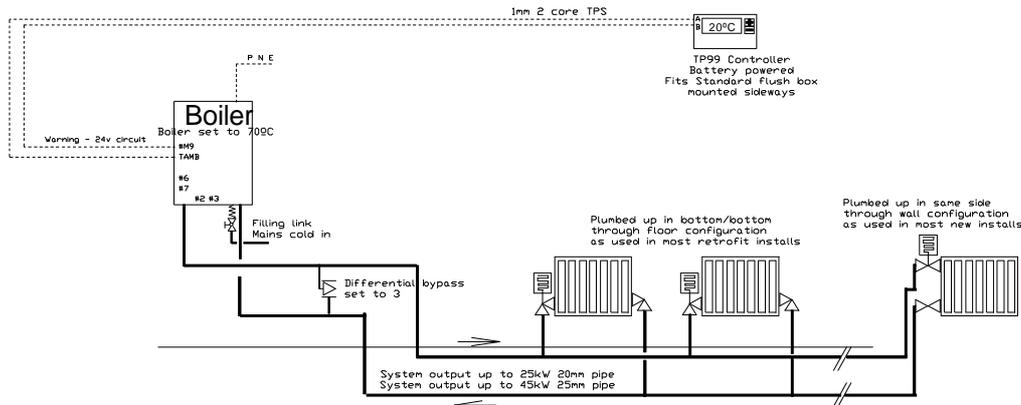
Electrical connections

- The boiler is supplied with a three poled power cable, already connected to the electronic board and it is provided with an anti-rupture firming clamp.
This boiler must be connected to a 230V-50Hz electrical power supply.
When connecting the boiler to power mains, respect phase / neutral polarity sequence.

- The boiler can be connected to a room thermostat.
Room thermostat contacts must be properly sized in consideration of a 5 mA load at 24 Vdc load.

The room thermostat wiring must be connected to M9 terminal A, after removing the jumper supplied as a standard fitting to the boiler.

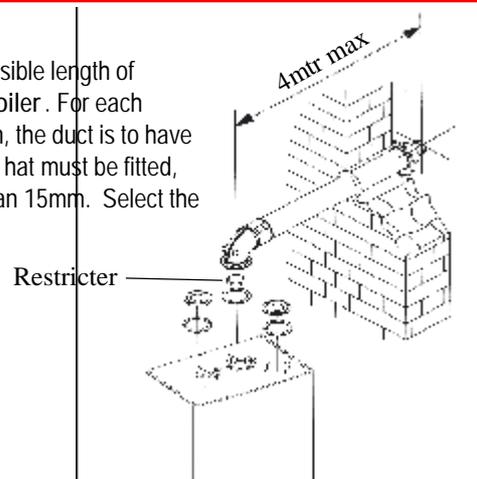
The room thermostat wiring must NOT be grouped together



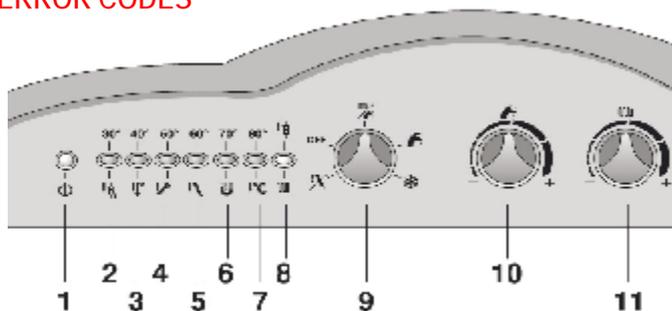
FLUE CONNECTIONS

Minimum permissible length of horizontal coaxial pipes is 0.5 metre. Maximum permissible length of horizontal coaxial pipes is 4 metre not including the first elbow connected to the boiler. For each additional elbow maximum permissible length must be reduced by 1 metre. In addition, the duct is to have a 1% slope to prevent rainwater entering it. If the installation is vertical the GBFH flue hat must be fitted, ensure the outside skin on the chimney does not overlap the airway gauze by more than 15mm. Select the correct flue restricter from the table below.

	Flue length		
	0.5-1 mtr	1-2 mtr	2-4 mtr
GBTR24	40mm	42mm	45mm
GBTR28	40mm	42mm	none



ERROR CODES



- #2 - 30°C & #8 light flashing: Central heating sensor failure
- #3 - 40°C light flashing: Over temperature sensor failure
- #4 - 50°C light flashing: Air pressure switch failure
- #5 - 60°C light flashing: Flame failure
- #6 - 70°C light flashing: Low water pressure
- #7 - 80°C light flashing: Boiler over 90°C

Refer page 28 of the manual for fault finding and trouble shooting

TAHITI GAS