

2.0 General Layout

2.1 Layout

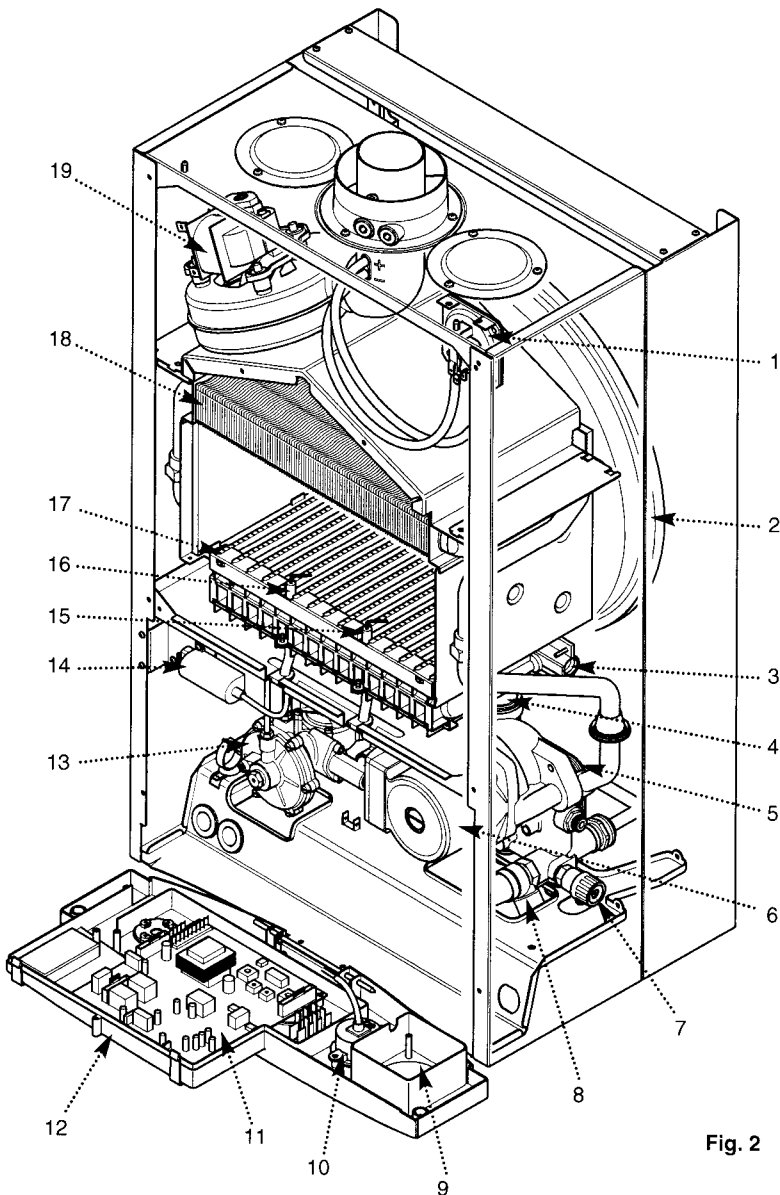


Fig. 2

1. Air Pressure Switch
2. Expansion Vessel
3. Burner Manifold
4. Automatic Air Vent
5. DHW Plate Heat Exchanger
6. Circulation Pump
7. Drain Off Point
8. Pressure Relief Valve
9. Optional Integral Timer Position
10. Central Heating System Pressure Gauge
11. Control PCB
12. Control Box
13. 3-Way Valve Assembly
14. Spark Generator
15. Flame Sensing Electrode
16. Spark Electrode
17. Burner
18. Primary Heat Exchanger
19. Fan Assembly
20. On / Off / Reset Selector Switch
21. Burner Neon
22. Power Neon
23. Reset Neon
24. Central Heating Temperature Control
25. Hot Water Temperature Control

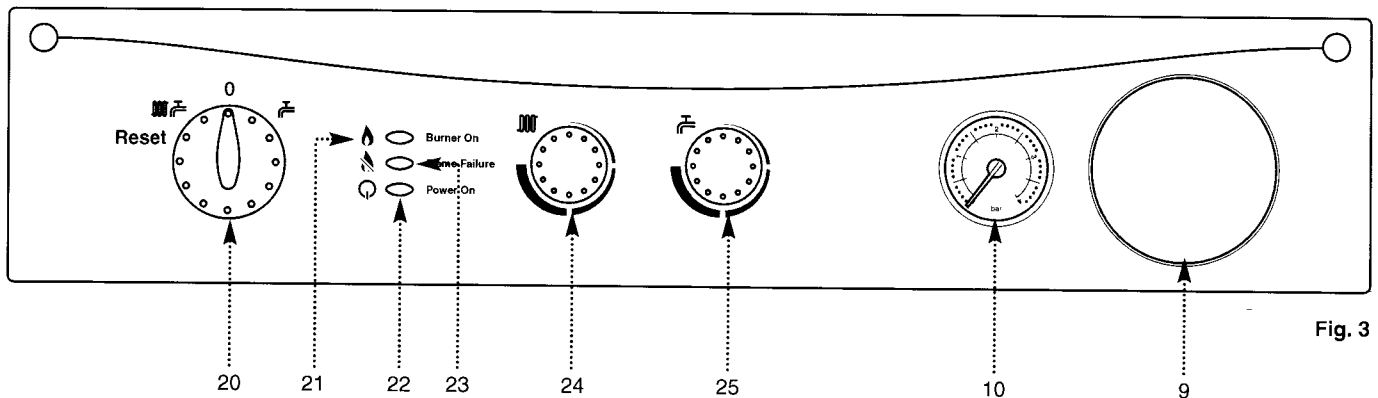


Fig. 3

9.0 Commissioning the Boiler

9.2 Checking the Burner Pressure

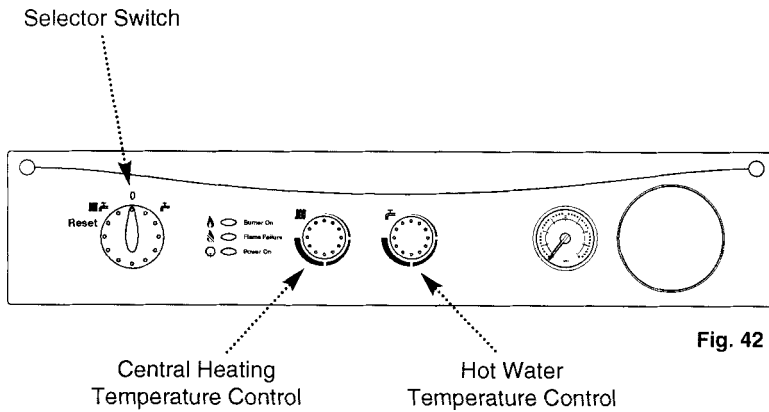


Fig. 42

1. Turn on the gas and electrical supplies to the boiler and ensure that all external controls are calling for heat.

2. Set the hot water and central heating temperature controls to maximum and the selector switch to the OFF position (Fig. 42).

3. Slacken the pressure test point sealing screw on the gas valve and connect a pressure gauge (Fig. 43).

4. Disconnect the sensing tube from the gas valve.

5. Turn the selector switch fully anticlockwise against the spring pressure to the reset position and hold for 2 seconds to reset the boiler.

6. Turn the selector switch to the Central Heating and Domestic Hot Water position (暖气). The power ON light (开) will illuminate (Fig. 42).

7. Turn on a hot water tap to give a flow rate of at least 10 l/min.

8. The pressure should be as quoted in Section 4.0 Technical Data. If not, check that the gas supply pressure is correct (Natural Gas 20mbar, Butane 30mbar and Propane 37mbar).

9. The burner pressure can be adjusted if required.

10. Remove the governor cover screw (Fig. 44) and adjust the pressure regulator screw until the maximum pressure is achieved.

11. Turn the boiler selector switch to the Off position and remove the plug from the NTC Temperature Sensor.

12. Turn the boiler selector switch to the Central Heating and Domestic Hot Water position (暖气) and reconnect the plug to the NTC. Check and adjust the minimum pressure screw. This must be performed within 25 seconds after which the boiler resumes normal operation.

13. Disconnect the pressure gauge, tighten the pressure test screw and replace the sensing tube on the gas valve.

14. Replace the governor cover screw and set the selector switch to the position required.

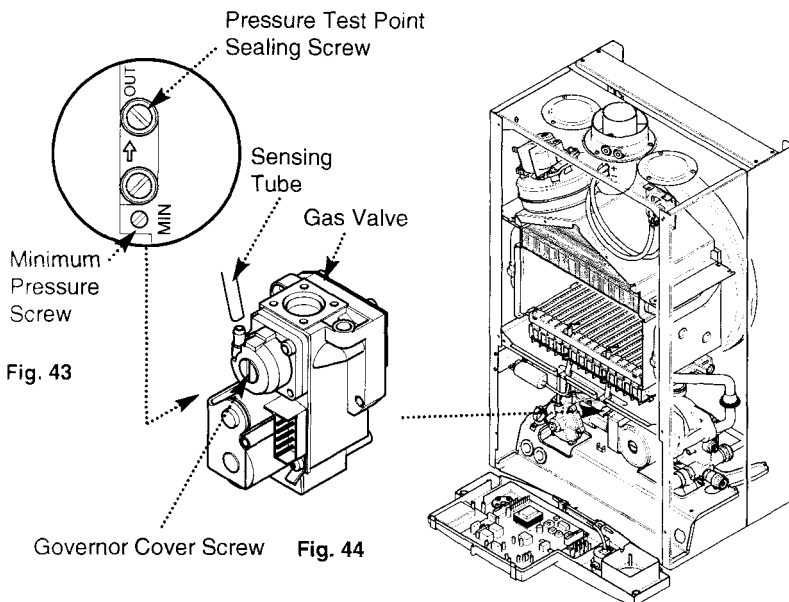


Fig. 43

Fig. 44