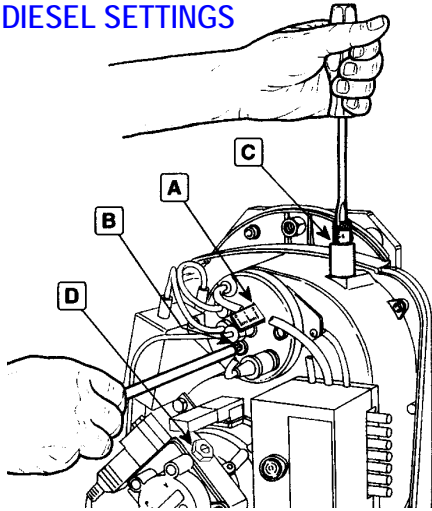


QUICKSTART

DIESEL SETTINGS



Burner tuning

- The burner needs to have the total air and length of flame adjusted to suit the boiler they are mounted in. Double check the settings and test the unit to make sure it is burning cleanly.

Length of flame

- Adjust the head adjustment A by regulating the hex bolt B
 DBA30U: 10
 DBA42U: 12

Total air

- Adjust the Air adjustment by turning the damper adjuster C
 DBA30U: 12
 DBA42U: 14

Stock Nozzle sizes

DBA30U: 0.65 gph 60° semi solid spray pattern
 DBA42U: 0.85 gph 60° semi solid spray pattern
 See the BU56 tuning guide for more detailed instructions

FLUE CONNECTIONS



The following requirements must be met by the flue system:

Vertical flue systems

- 1. A double skin flue set with 25mm clearance between internal and external skins.
- 2. Internal skin must be of stainless steel construction.
- 3. A 25mm clearance from combustibles is required
- 4. A clean out tee at the boiler is recommended to facilitate servicing requirements.
- 5. Recommended stack sizing is given in table 1.
- 6. All relevant local body regulations must be complied with.

Horizontal flue systems - 30 & 40kW models

- 1. A triple skin flue set with 25mm clearance between internal and external skins. Removable cowl for cleaning.
- 2. Silencer section built in with 80mm perforated inner with rock wool, 100mm liner, 150mm outer.
- 3. A 25mm clearance from combustibles is required
- 4. Straight length terminated on the exterior wall. Minimum 300mm from cowl to wall surface.
- 5. All relevant local body regulations must be complied with.

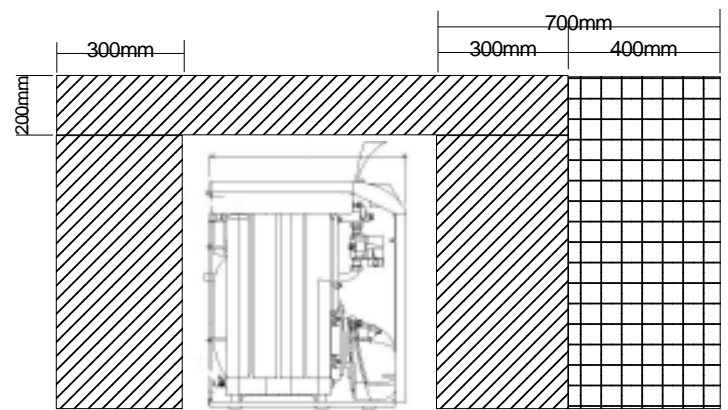
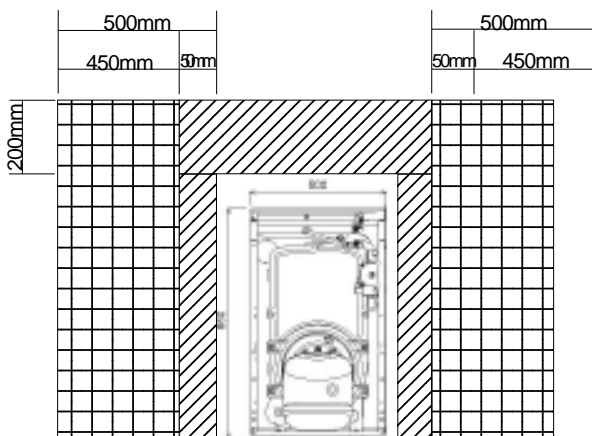
Please note:

Horizontal flue systems will result in combustion odour around the terminal. Under long periods of operation the terminal will increase in temperature.

INSTALLATION CLEARANCES

 Required from combustibles

 Recommended for convenient servicing



APPLIANCE MUST HAVE ADEQUATE VENTILATION

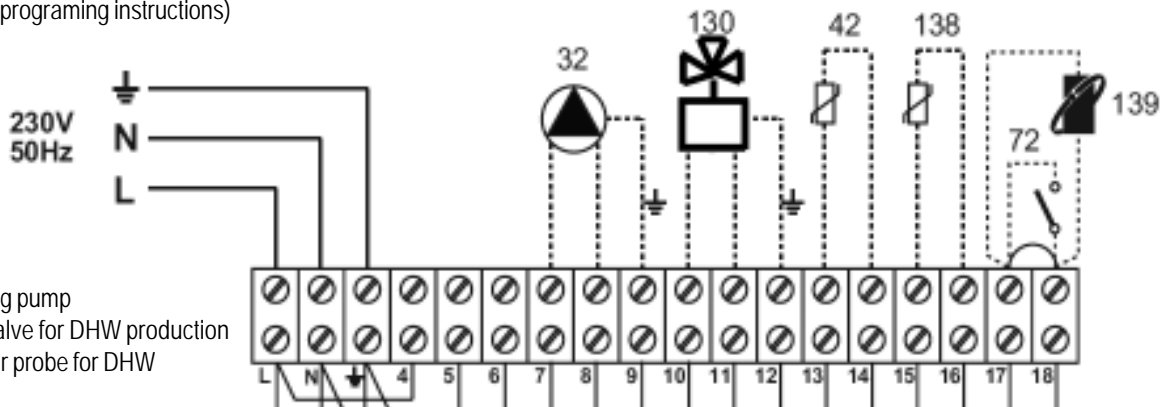
ATLAS SERIES

QUICKSTART

ELECTRICAL CONNECTIONS

Electrical connections

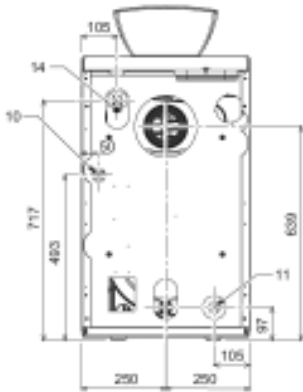
- The boiler is supplied with a three poled power cable, already connected to the electronic board and it is provided with an anti-rupture firming clamp. This boiler must be connected to a 230V-50Hz electrical power supply. When connecting the boiler to power mains, respect phase / neutral polarity sequence.
- The boiler can be connected to a room thermostat via terminals **17&18**, after removing the jumper supplied as a standard fitting to the boiler.
- For DHW Priority you can connect a NTC probe to terminals **13&14** and the three way valve to terminals **10,11&12**. (Purchase HSAHWK for the required parts and programming instructions)



Legend

- 32: Internal circulating pump
- 130: Optional 3 way valve for DHW production
- 138: Optional hot water probe for DHW
- 72: Room thermostat

WATER CONNECTIONS



Central heating connections

- **11**: Central heating return
 - **10**: Central heating flow
 - **14**: 1/2" female over pressure waste
- Cold fill to 1.5bar
Use removable link style filling to prevent the need for a RPZ backflow

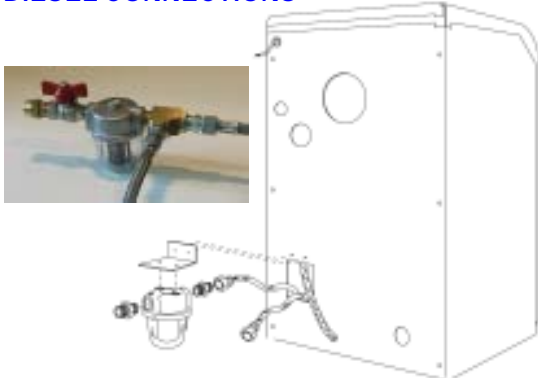
By-pass valve

- 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 center screw from the pump body and manually turn the pump shaft using a flat head screw driver.

DIESEL CONNECTIONS



Burner installation quick kit

- Mount the fire valve outside the plant room and run the capillary along the diesel line.
- Press the plunger to open the valve
- Mount the capillary head inside the boiler case next to the burner
- Assemble the stop, filter and running tee as shown.
- Mount the assembly to the back of the boiler with the plate supplied and connect the flexible leads to the running tee.

ATLAS SERIES