100kW Packaged Boiler

Operating Instructions & Safety Guide

ANDREWS BOILERS

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General Safety

- This equipment should only be used by a competent person who has read and understood these instructions.
- Check condition of equipment before use. If unit is showing any signs of damage contact your supplier immediately.
- Never operate this equipment if you are ill, feeling tired or under the influence of alcohol or drugs.
- Keep all vents and grills clear of obstructions.
- Keep children and animals away from electric powered equipment. Never leave them alone when the unit is in use.
- Make sure equipment is switched off and unplugged after use.

Electrical Safety

- This unit operates on a 240 volt 3pin 16amp power supply
- Always inspect plugs and sockets before use and make sure there are no signs of damage
- DO NOT USE IF ANY DAMAGE IS FOUND.
- Ensure cables are installed to prevent hazards.
- If an extension lead is used, ensure it is of the correct standard and fully uncoiled before use.
- Cables must not be laid in wet or damp areas.
- Do not move equipment while operating.
- Make sure the boiler flu is positioned 1.5m away from the nearest building

Getting started and operation

Position equipment on level ground.

Position away from any possible flammable materials.

Do not use within any zoned or hazardous areas.

Keep at least 1 meter of clearance around the Boiler and don't restrict the air flow around the Boiler.

Always make sure the fuel tank is positioned on level ground and is positioned within 1.5 meters of the boiler location to make sure the fuel line can reach and connect.

The temperature control setting will have to be set according to the actual application the boiler is being used for.

DHW applications cannot operate above 58 degrees Celsius.

3 pin 16amp 240 volt Appliance inlet plug found on the 100kW Boiler

Fig 1 : 240 volt Appliance inlet plug

Fig 2 :
The 100kW Packaged Boiler can be supplied with two fuel options. Gas oil or natural Gas.
1,000 liter and 3,000 liter Gas oil fuel tanks available. the boiler has only one fuel line for the fuel pick up and must be connected to the flow connection on the tank.

Fig 3:
The 100kW Packaged Boiler has heating and DHW plate heat exchanger. the primary side of these heat exchangers will need to be filled with water to 1.5 bar

Fig 2:
Natural Gas options will require the gas train to the temporary boiler to be purged and tested by a gas safe engineer prior to the boiler commission

Fig 4:
Thermostat used to control Heating and DHW applications. These temperatures can be set independent from each other

Fig 6 :
5 connections required to temporary boiler for both heating and DHW applications

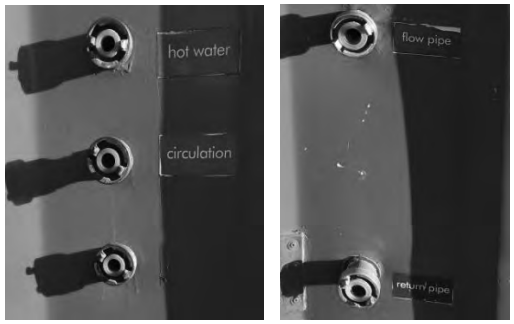
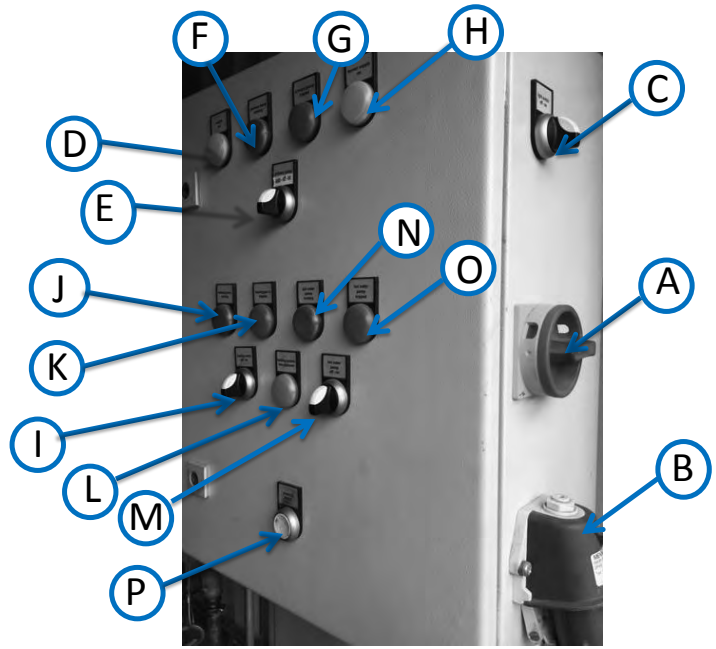


Fig 5 : Control panel



A. Mains power isolator
B. 16amp 1P Power Outlet
C. Boiler Container Light ON/Off Switch
D. Indicates there is power to the unit and it is ready to work
E. Primary heating pump ON/OFF switch.
F. Primary pump is running when highlighted green
G. Primary Pump has tripped when highlighted red
H. Indicates there is power to the burner and it is ready to work
I. Circulating pump heating on / off Switch
J. Green light indicates secondary circulation pump is running.
K. Red light indicates secondary circulation pump has tripped out
L. Heating system low pressure. Secondary side of the boiler requires more pressure for pump to run
M. D.H.W pump on / off Switch
N. Green light indicates D.H.W shunt pump is running.
O. Red light indicates D.H.W shunt pump has tripped out.
P. At point of installation press this button and hold for three seconds until “run” light shows on secondary circulation pump