



Installation, Operating and Servicing Instructions

Wall Mounted Water Boiler – Glass Front WMBFX/B

Please make a note of your product details for
future use:

Date Purchased: _____

Model Number: _____

Serial Number: _____

Dealer: _____

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IMPORTANT INFORMATION



Read these instructions carefully before using this product, paying particular attention to all sections that carry warning symbols, caution symbols and notices. Ensure that these are understood at all times.



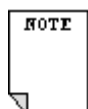
WARNING!

This symbol is used whenever there is a risk of personal injury.



CAUTION!

This symbol is used whenever there is a risk of damaging your Lincat product.



NOTE:

This symbol is used to provide additional information, hints and tips.

KEEP THIS MANUAL FOR FUTURE REFERENCE

WARNINGS AND PRECAUTIONS



This appliance must be installed, commissioned and serviced by a qualified person in accordance with national and local regulations in force in the country of installation.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person.

Ensure wall construction is suitable see Installation and commissioning.

Ensure that the plug/socket is accessible at all times.

Strip plastic coating and clean the appliance before use.

During operation parts may become hot - avoid accidental contact.

Disconnect this appliance before servicing, maintenance or cleaning.

This appliance is not suitable for outdoor use.

Waste connection to the condensate overflow pipe with use of a Tundish is advisable.

TECHNICAL DATA

Model	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	Weight (kg) Inc. full tank
WMB5FX	464	353	218	11.2	16.4

CHECK LIST OF ENCLOSURES

Instructions manual
Warranty card
Connection hose
Wall bracket
Silicone drain hose assembly

ACCESSORIES

DR97	Drip tray
FC04	Filter cartridge
MS19	De-scaler

INSTALLATION AND COMMISSIONING



This appliance must be earthed.

If replacing the plug connect the terminals as follows:

Green and Yellow wire	Earth	E
Blue wire	Neutral	N
Brown wire	Live	L

Means of isolation with at least 3mm contact separation in all poles must be incorporated into the fixed wiring of this appliance.

The fixed wiring insulation must be protected by insulated sleeving having a temperature rating of at least 60°C.

Supply cords shall be oil resistant, sheathed flexible cable not lighter than ordinary polychloroprene or equivalent elastomer sheathed cord (code 60245 IEC 57).

Do not re-use old hose sets.

Wall installation

The boiler must be installed on a vertical concrete/brick wall with the base in a horizontal position. The location must be frost free.

Using the wall bracket provided mark the position of the mounting holes. The top of the wall bracket is 10mm below the height of the fitted unit lid (Fig.1). Drill the holes and insert suitable wall plugs.

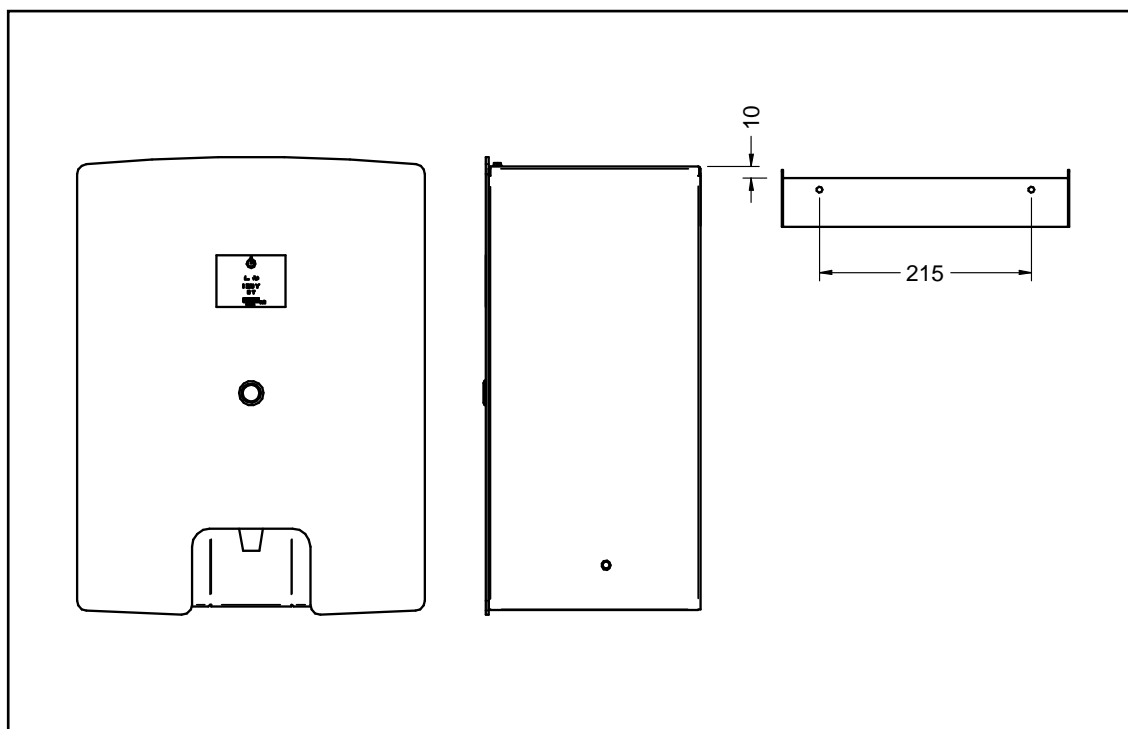


Fig. 1

Hang the unit onto the bracket and mark the position of the lower fixing screw on the underside of the unit. Remove the boiler and drill the hole and insert suitable wall plug. The water boiler is now ready to mount and connect services.

Please allow 400mm clear space above the unit to allow removal of the cover and 300mm below the unit to allow for filter removal.

Electrical supply

The WMBFX wall mount series are supplied with a 13 amp plug to BS1363

Power Ratings

Model	kW	Amps
WMB5FX	3.0	13.0

Water Installation

Connect the supplied white water inlet hose to the inlet connection point on the base of the boiler and the other end to the mains supply via an accessible isolating tap with a 3/4" BSP thread.

Use the hose set supplied with the appliance – any previous hose set is not to be re-used.

Connect the condensate/overflow pipe (Fig. 2 C) to a suitable drain, considering any applicable local water regulations.

Potable water. If solid particles are known to be in the supply, add an extra inline filter or strainer.

Ambient temp °C	Water inlet pressure Bar	Water inlet pressure kPa
5 to 30	1 to 8	100 to 800

Turn on the water supply and check for leaks.

OPERATING INSTRUCTIONS

Only qualified or trained personnel should use this appliance.

First Use

Switch on both mains water and electricity supplies and leave the boiler for 13 mins to fill completely. Unit will display **READY** when set temperature is reached.

New filters have a small amount of loose, harmless, carbon particles. Drain off approximately 3 litres of water when first setting up or replacing filter.

Regular operation

The appliance starts automatically shortly after the electrical supply is turned on, filling with water and heating.

The unit will display '**WAIT**' whilst it fills and heats. It will display '**READY**' when water can be drawn off.

To ensure that water is always hot, only small quantities are added constantly during the heating cycle. The appliance is designed to be left on permanently, only to be turned off for descaling or maintenance.

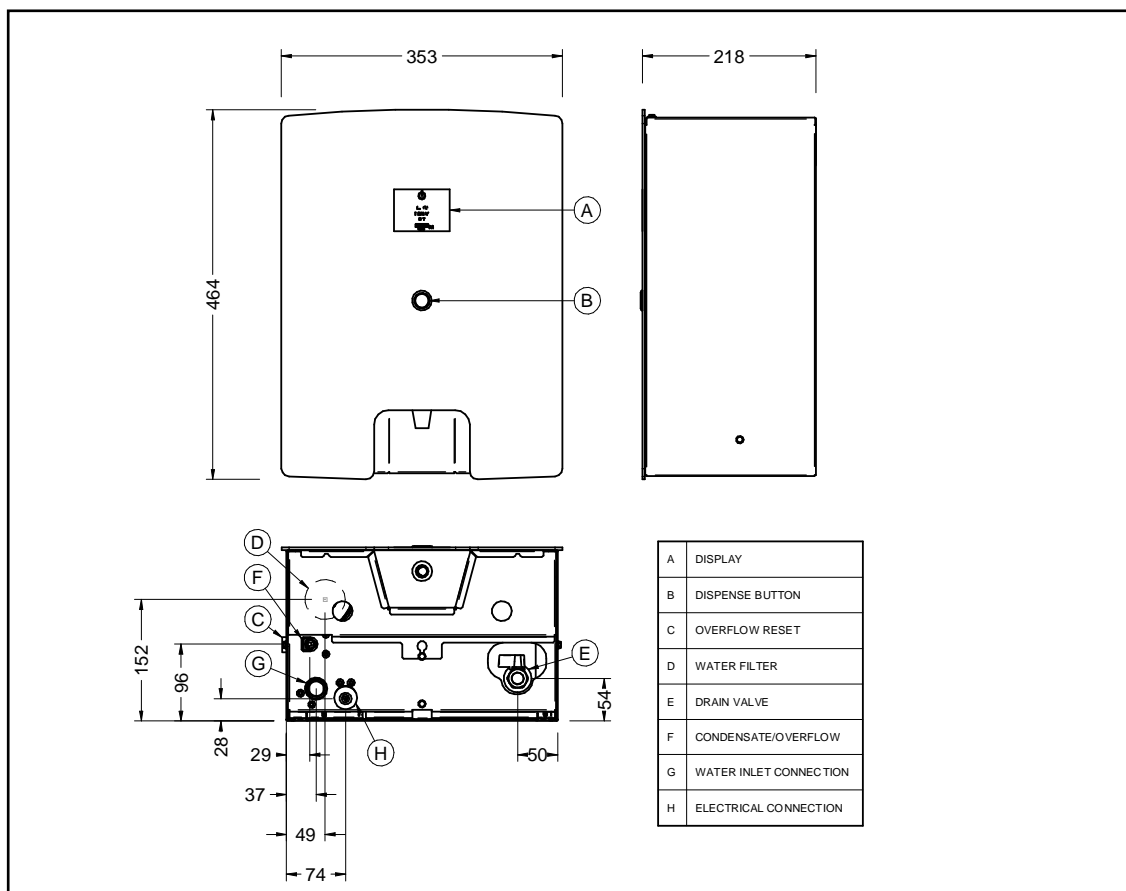
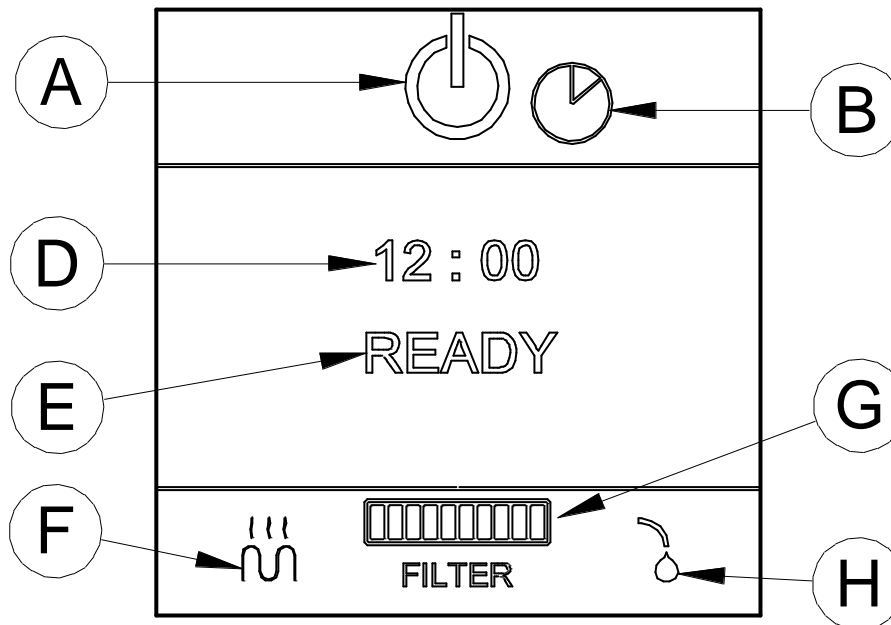


Fig. 2

Touchscreen display configuration



KEY		Pressing allows
A	Power button	On, off, and Timed modes
B	Timed operation	Access to timer settings
D	Clock	Access to clock settings
E	Ready, Wait	Clock, temperature and PIN lock
F	Element on	
G	Filter life icon	Reset filter life after replacement
H	Water in	

Adjustment - Clock.

At any point press the **WAIT** or **READY** on the display. Now press **Settings**. Then press **Clock** followed by **Set Time**. Now press **day** followed by arrow keys to set day. Repeat for **hours** and **minutes**. Now press <ENTER> to return to main display.

Adjustment - Water temperature.

At any point press the **WAIT** or **READY** on the display. Now press **Settings**. Then press **Temperature** at this point press arrow keys to select desired temperature. Now press <ENTER> to return to main display.

Adjustment – Pin Lock.

All units are fitted with a settings **PIN LOCK**. Press **READY** and then **Settings** to access the **PIN** setting screen. The unit is fitted with an extra setting to lock the dispense tap operation and an additional time setting that is used to set the maximum time after the last dispense that the boiler is unlocked for. A master **PIN** code is available from Lincat Service should you forget the user set **PIN**.

Standby

If the appliance is to be left unused for any length of time, turn the element off by pressing the **ON/OFF** button on the display.

Then press **OFF**. Now press <ENTER> to return to main display.

Filter replacement

The filter display shows the estimated life left in the filter cartridge. A reminder message is displayed when the filter needs changing.

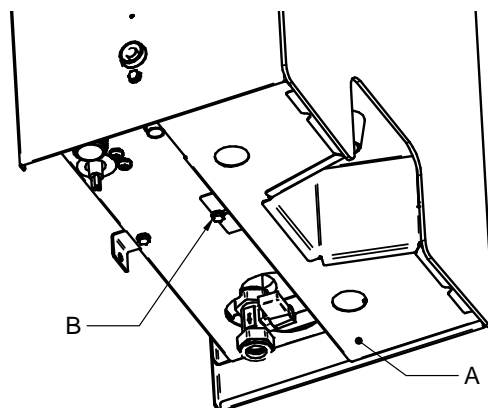


Fig. 4

To replace the filter

From the underside of the boiler loosen off screw **B** then slide and lift off cover **A**. Twist the base of the filter 90° to the left and carefully lower the filter cartridge out of the appliance. It will contain a small volume of water.

Re-insert new filter into the recess and lock into place by twisting to the right.

Replace cover **A** and tighten screw **B**.

Press the **filter life icon** and follow the on-screen instructions to reset the filter life. Drain off approximately 3 litres of water to remove any loose carbon particles from the filter.

The boiler will not fill if the filter is removed as the filter head incorporates a shut-off valve.

CLEANING



Do not use a water jet or steam cleaner, and do not immerse this appliance.

Clean all panels with warm water and mild detergent, do not use abrasive materials. Dry with a soft cloth.

Wipe the dispensing nozzle daily to remove lime scale deposits.

De-scaling

The boiler should be de-scaled regularly to maintain efficient operation and water quality. The frequency depends on the hardness of the water and the timely replacement of the filter.

In common with all water boiler manufacturers, service calls resulting from lime scale are not covered by warranty.



The de-scaling procedure must be performed by trained personnel as it requires the removal of panels from the boiler giving access to live electrical components.

De-scaling the boiler at the end of the working day gives the de-scaling agent several hours to work. Lincat recommend our own de-scaling agent DP10, available from our Spares department.

- Wear protective clothing.
- Isolate the boiler from the electrical supply.
- Turn off the power and allow the water to cool to 60°C.
- Remove the outer surround secured by 3 screws.
- Remove the top cover secured by 5 screws.
- Remove the insulation from the top of the tank, then unscrew and remove the tank lid secured by 8 screws.
- Add the de-scaling agent slowly to avoid eruption of the water. Follow the manufacturer's instructions.
- Replace the tank lid, top cover and outer surround. Attach an 'Out of Use' notice to the boiler to prevent use during de-scaling.
- Turn on the electricity and allow the boiler to run normally for 30 minutes. Isolate the boiler and allow the water to cool.
- Remove the outer surround, top cover and tank lid and inspect the tank and level sensor housings for scale deposits. If necessary, repeat the de-scaling process.

In hard water areas manual descale may be required. Remove as much scale as possible by hand paying particular attention to the level sensors and element.

- Drain and flush all de-scaling agent from the tank completely as follows:
- Drain all the water out of the tank (Fig. 2 E)

Failure to descale a unit may result in the boiler overflowing and leaking from the overflow.

SERVICING, MAINTENANCE AND COMPONENT REPLACEMENT

All servicing, maintenance and component replacement on this appliance should be carried out by one of our recommended service engineers.

FAULT FINDING

Please refer to the Service Help Desk number on the final page of this manual if fault persists.

SPARE PARTS LIST

For spare parts contact Lincat Spares department on 01522 875510. Refer to the serial plate for the model and serial number, as this will help us quickly identify the part you require.

Part Number	Description	Used on
DV02	Drain valve	
EL277	Element	
FC04	Water filter	
FH04	Filter head only	
GA83	Tank gasket	
GF04/S	Glass front c/w display/pcb	
LE57	Level sensor insulator	
LE48	Upper level sensor	
LE51	Lower level sensor	
LE68	Upper level sensor	
PR100	Power board	
PR118	Display/Circuit board	
SI01	Sensor isolator	
SO24	Solenoid	
SV03	Dispense solenoid	
SW108	Switch	
TH123	90° cut-out	
TH124	Thermistor	
TH88	120° cut-out	
WL15	Sensor loom	

SERVICE INFORMATION

For help with the installation, maintenance and use of your **Lincat** equipment, please contact our service department:

☎ UK: 01522 875520

For non-UK customers, please contact your local Lincat dealer

All service work, other than routine cleaning should be carried out by one of our authorised service agents. We cannot accept responsibility for work carried out by other persons.

To ensure your service enquiry is handled as efficiently as possible, please tell us:

- Brief details of the problem
 - Product code
 - Type number
 - Serial number
- } All available on serial plate

Lincat reserve the right to carry out any work under warranty, given reasonable access to the appliance, during normal working hours, Monday to Friday, 08:30 to 17:00.

GUARANTEE

This unit carries a comprehensive UK mainland 2 year warranty. The guarantee is in addition to, and does not diminish your statutory or legal rights.

The guarantee does not cover:

- Accidental damage, misuse or use not in accordance with the manufacturer's instructions
- Scale related issues
- Consumable items (such as filters, glass, bulbs, slot toaster elements and door seals.)
- Damage due to incorrect installation, modification, unauthorised service work or abuse

The manufacturer disclaims any liability for incidental, or consequential damages. Attendance is based on reasonable access to the appliance to allow the authorised technician to carry out the warranty work.

Service calls to equipment under warranty will be carried out in accordance with the conditions of sale. Unless otherwise specified, a maximum of 15 minutes of administrative time, not spent directly carrying out servicing work, is provided for within the warranty. Any requirement for staff attending the call to spend greater time than 15 minutes due to administrative requirements, such as on health and safety risk assessments, will be chargeable at the prevailing rate.

