Installation, Operating and Servicing Instructions

Waterboiler

EB3FX, EB4FX, EB6FX, EB6TFX, EB3FX/PB, EB3FX/PB/POT, EB3FX/TT AND EB3FX/TALL.

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 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.

TECHNICAL DATA

	EB3FX	EB4FX	EB6FX	EB6TFX	EB3FX/PB	EB3FX/PB/POT	EB3FX/TT	EB3FX/TALL
Height (mm)	600	600	690	690	600	600	600	690
Width (mm)	250	250	250	250	250	250	250	250
Depth (mm)	525	525	525	525	525	525	525	525
Weight (kg)	15	15	18	18	15	15	16	17
Power rating(kW)	3	4.5	6	6	3	3	3	3
Current rating (A)	13	20	26	26	13	13	13	13

CHECK LIST OF ENCLOSURES

Warranty card
Instructions manual
Drip tray
Drip tray insert
Connection hose
Silicone drain hose assembly

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 EB4FX, EB6FX and EB6TFX appliances.

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

Install this appliance on a level surface ensuring all vents are unobstructed.

Only install this unit in locations where it can be overseen by trained personnel.

Inlet water pressure should be between 2 and 6 bar. (0.2MPa to 0.6MPa)

Ambient air temperature shall be between 5 and 30 deg C

Electrical supply

The EB3FX series are supplied with a 13 amp plug to BS1363.

The EB4FX is supplied with a bulkhead cable connector. Connect a 2.5mm^2 3 core cable.

The EB6FX and EB6TFX are supplied with a bulkhead cable connector. Connect a 4mm^2 3 core cable.

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

Water supply and waste connection (All)

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 ¾" BSP thread.

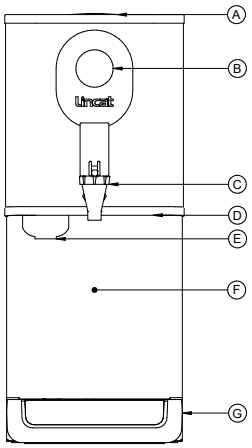
Use the hose set supplied with the appliance - any previous hose set is not to be re-used.

Ensure the metal overflow pipe protrudes through the metal base of the boiler.

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

OPERATING INSTRUCTIONS

General arrangement



A	Tank Cap
B	Touchscreen display
C	Dispense tap
D	Serial plate location
E	Water filter
F	Lower drain valve (below slide down cover)
G	Drip tray

Only qualified or trained personnel should use this appliance.

First Use

Switch on the water and electricity supplies. Leave the boiler to fill for 30 minutes.

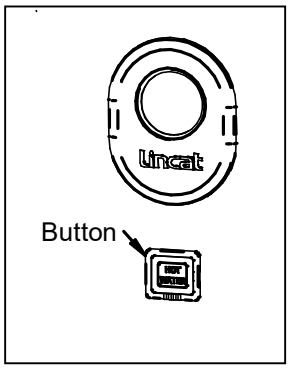
New filters have a small amount of loose, harmless, carbon particles. Drain off approximately 5 litres of water when first setting up or replacing filter.

A new unit starts in a default mode with timers and ECO options turned off.

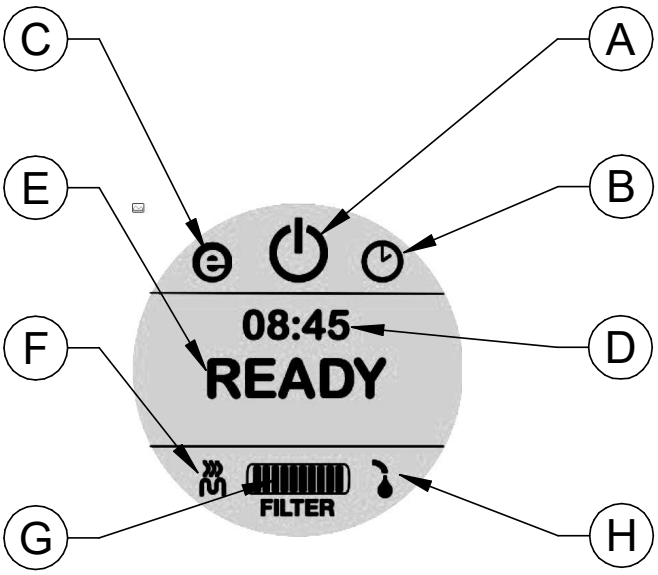
The unit will display ‘Wait’ whilst it fills and heats. It will display ‘Ready’ when water can be drawn off.

To draw off water on the EB3FX, EB4FX, EB6FX, EB6TFX, EB3FX/TT and EB3FX/TALL operate the dispensing tap handle C.

For the EB3FX/PB and EB3FX/PB/POT press the red hot water button.



Touchscreen display configuration



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

When the boiler is supplied the ECO mode, timed mode and clock function are all turned off.

To select these options press the “Power button”, select the feature required and follow the on-screen instructions.

To adjust the temperature, clock or to perform a boiler descale press “Ready”, select the option and follow the on-screen instructions.

Eco mode only fills the tank to the mid-way point. It reduces the rapid draw-off but saves energy and reduces heat-up time from cold

Predictive Eco monitors the boilers usage and decides when the unit should switch in and out of Eco mode. This is best used with the timed option to save the most amount of energy.
All units are fitted with a settings PIN lock. Press Ready and then Settings to access the PIN setting screen. The EB3F/PB and EB3FX/PB/POT 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.

Filter Replacement

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

To replace the filter:

Twist the base of the filter (E) 90 degrees to the left and lower the cartridge out of the appliance. It will contain a small amount of water.

Insert the new filter into the recess and lock in place by twisting to the right.

Press the “Filter life icon” and follow the on-screen instructions to reset the filter life.

Drain off approximately 5 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 and do not use abrasive materials. Dry with a soft cloth.

Slide out and empty the drip tray regularly, and wipe the dispensing tap spout daily to remove limescale deposits.

DESCALING

All FilterFlow models incorporate an indicator probe to detect lime scale build-up. They are also equipped with a descaling programme, which enables you to descale the unit yourself following on-screen instructions. This will reduce the build-up of scale; however, an engineer may still be required to descale the boiler in hard water areas. In common with all water boiler manufacturers, service calls resulting from limescale are not covered by warranty.

De-scaling is an important maintenance task and must be performed to maintain the warranty.

The incorporated de-scale routine takes about an hour to complete and the boiler cannot be used during the routine. Lincat offer a purpose designed de-scaler powder, part number DP10 that should be used.

In hard water areas the built in descaling routine may not be sufficient to remove all the scale from the tank and a manual descale will be required. The following procedure should be used. This requires a degree of competence from the person carrying out the de-scale.

- Isolate the machine from the water and electric supply.
- Allow the water to cool and drain the tank.
- Remove the outer and inner lids.
- Drain the tank.
- Remove as much scale as possible by hand paying particular attention to the level sensors and element.
- Descale using a propriety de-scaler, follow the instructions carefully.
- Thoroughly clean and flush the tank. Dry the level sensor insulators at the top of the tank.
- Refit the lids, turn on the water and electric.

If there is a fault with the unit it will not be possible to de-scale the unit using the in-built programme. The unit will have to be manually chemically de-scaled. Do not mechanically de-scale with a scraper.

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

SERVICING, MAINTENANCE AND COMPONENT REPLACEMENT

All 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.

SPARE PARTS LIST

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

ACCESSORIES

Part Number	Description	Used on
BR55	Wall bracket	EB3FX, EB4FX, EB3FX/TT, EB3FX/PB and EB3FX/PB/POT
BR56	Wall bracket	EB3FX/TALL, EB6FX and EB6TFX
FC04	Replacement filter	All models
DP10	De-scaler powder	All models

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
- Consumable items (such as filters, glass, bulbs, slot toaster elements and door seals.)
- Damage due to incorrect installation, modification, unauthorised service work or damage due to scale, food debris build-up, etc.

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.

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