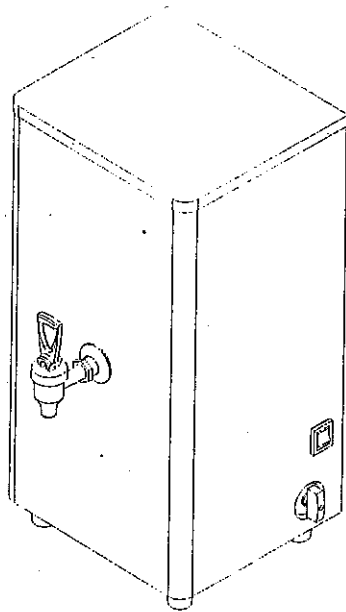




Auto Fill Water Boiler



OPERATION MANUAL

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Installation

A Qualified Service Technician / Engineer should carry out the installation and any repairs if required. Do not remove any components or service panels on this product.

Before installing this product ensure that all Health & Safety regulations concerning safe positioning, spacing, ventilation, electrical installation, and fire risk, are complied with. Local and National Standards must also be consulted in order to comply with the following:

- Health and Safety at Work Legislation
- BS EN Codes of Practice
- Fire Precautions
- IEE Wiring Regulations
- Building Regulations

Remove the Water Boiler from the packaging. Make sure that all protective plastic film and coatings are thoroughly removed from it's surfaces. Please consult the Specification table on page 8 for important information before installing. The Eurodib range of water boilers has the option of being bench, or wall mounted. For wall mount installation, the appropriate wall bracket will be required.

Wall Mount Brackets	
Water Boiler Model	Wall Bracket Model
SFE01350	P 03001360
SFE01360	P 03001360
SFE01370	P 03001370
SFE01380	P 03001380

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Location

- The Water Boiler should be used in a location where water can be drained away in the event of spillage, during de-scaling and draining of the tank.
- Before locating please check the weights table shown below, then use this information to make sure that the location chosen can support the weight of the Boiler when full of water.
- The Water Boiler should be situated where the temperature range of the room is between 4°C and 45°C. Outside of this room temperature range the performance of the Water Boiler may be affected.
- In the event of the water supply to the Water Boiler freezing, the power to the Water Boiler should be disconnected until the water supply is restored.

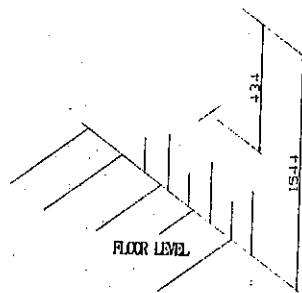
Wall Mount

- For wall mounted installation it is recommended to install the unit approximately **1100mm** from the floor to the base of the Boiler or approximately 500mm from a standard work surface to the faucet/tap of the Boiler.

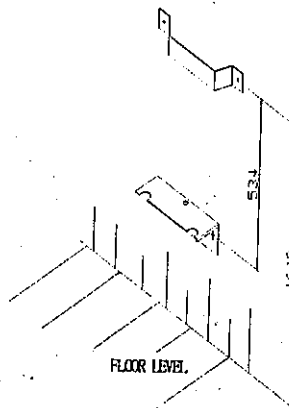
Product Weight At Full Water Capacity	
SFE01350	48.5lb
SFE01360	55.2lb
SFE01370	71.6lb
SFE01380	90.4lb

- Using the measurements from the diagram below begin by installing the upper of the 2 brackets first. Ensure the upper bracket is level before drilling and fixing.
- Temporarily hang the water boiler on the upper bracket, connecting the two brackets on the rear of the water boiler with the upper wall bracket. Take the lower bracket and hold in position to mark the holes to be drilled. Remove the water boiler and proceed to drill and fix the lower bracket.
- Hang the water boiler on the brackets, in its operating position.
Note: the unit is not fixed to the lower bracket; it acts as a support for the Water Boiler.

SFED1350



SFED1360, SFED1370, SFED1380



Drip Tray

- The Drip Tray beneath the Water Boiler, at the front of the base plate there are 2 screws. Remove these screws and place the drip tray support into position and secure with the 2 screws.

Note: The support bracket must be used for both wall and bench Mounted operation.

Water Connection

- Your water boiler has been supplied with a 3/4" flexible "COLD" water hose.
- In hard water areas it is advisable to fit a water filter, as this will reduce the formation of lime scale within the Boiler.
- To maintain maximum performance the Boiler should be de-scaled regularly. Failure to de-scale the Boiler will invalidate the warranty. Use a proprietary brand of de-scale product, and follow the manufacturer's instructions.

Elect

- For USA use the Boiler should be connected to the mains water (drinking water) supply. In other countries the boiler should be connected to the drinking or potable water supply, in accordance with the national water supply regulations.
- Cold water only should be supplied to the Boiler.
- Minimum working pressure of the Water Boiler is 150kPa/1.5bar/22psi
- Maximum working pressure of the Water Boiler is 820kPa/8.2bar/119psi

Electrical Connection

- Supply the appropriate power--(See specifications on page 8). Water Boilers SFE01350 and SFE01360, are supplied with a 3 pin, molded, plug and lead. The plug is to be connected to a suitable mains socket.
- If these units are used and operated in 'wet' areas, appropriate electrical sockets must be used, if in doubt consult a qualified electrician.
- Electrical isolation points must be kept clear of any obstructions, so that they are readily accessible in the event of emergency action being required to disconnect the product from the power supply.

Drainage

- The water boiler is designed with an electronic control board to eliminate any overflow from the water tank. In the unlikely event an overflow occurring, the unit has been fitted with a excess water drainage tube. This can be directly connected to a drainage system or simply guided into a receptacle or drainage outlet. The same tube will also drain away any condensation build up within the tank.
- The drainage tube is fitted with a drain valve, which can be turned on in order to drain the tank of water for transit, de-scaling or cleaning. (see section on cleaning - page 6)
- **It is important that the drainage tube is not blocked or obstructed in any way, as this will affect the operation of the water Boiler and may cause it to fail.**

Commissioning

- Ensure all packing pieces and protective plastic are removed from the Water Boiler.
- Ensure the drain valve is closed. (right hand side of the water boiler)
- Ensure the water tap/faucet is closed.
- Connect, and turn on the mains water supply.
- Connect and switch on the power supply, then switch the water boiler on. (On/Off Switch located on the right side of the water boiler above the drain valve)
- The Water Boiler will start to fill with water (see page 8 for heat up times). The indicator light will glow green when the water in the tank has boiled, and is ready for use.

When using the Water Boiler for the first time, it is recommended that you fully drain the tank after boiling. Switch off the unit and drain using the drain valve on the right hand side of the water boiler. Once the unit has drained turn the valve to the "Off" position, turn the water boiler back on, and fill once again.

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Operation

The panel indicator lights are as follows:

1. RED – indicates the water is boiling
2. Green – indicates the water has boiled and read for use
3. If the indicator light flashes red, and the alarm sounds for 20 seconds, then the light continue to flash, it is indicating an error.
 - Place a decanter, carafe or suitable hot water container on the drip tray.
 - Pull the tap/faucet handle towards you in order to draw water.
Note: The tap/faucet has a safety features that will not allow any accidental, or unintentional, flow of water.
 - As water is drawn from the water boiler the electronic controller will allow the tank to continuously fill with water, then heat it, to provide further supplies of hot water, maintained at a temperature of approximately 98 degrees c.
 - For heat up times, and water specification please consult the specifications on page 8.

Cleaning, Care and Maintenance

Switch off the power, and disconnect the Water Boiler from the power supply. Ensure that the unit is always switched off and disconnected from the power supply, when cleaning, maintaining or moving. For hard wired models ensure the unit is isolated from mains supply.

The body of the warmer should be wiped down after each day's operation; however, additional cleaning may be required depending on frequency of use. The drip tray can be removed and washed if necessary. Care must be taken to allow the Water Boiler to cool down before cleaning, maintaining or moving, remember hot water can scald or burn.

Do not immerse the Water Boiler in water, or use jet/pressure washers to clean it.

Warm soapy water is recommended for cleaning. Cleaning agents may cause damage, and leave harmful residues, when used for a prolonged period on stainless steel.

De-scaling

- The formation of scale is a common occurrence in hot water systems. In order to ensure efficient use from your water boiler it is recommended you de-scale your Water Boiler on a regular basis depending on the condition (degree of hardness), of the water in your area.
 - To avoid injury or accidents, allow the water boiler to cool before commencing your de-scaling process.
1. Disconnect the Water Boiler from both the power, and water supplies.
 2. Remove the Lid of the water boiler to expose the inner tank.
 3. Remove the inner tank lid.
 4. Add the de-scaling compound in accordance with the manufacturer's instructions.
 5. Replace the inner tank lid, and then the outer lid.
 6. Reconnect both power, and water supply to the Water Boiler.
 7. Turn the on/off switch on to start the Water Boiler.
 8. Allow the water boiler to function in its normal operating mode for approximately 30 minutes.
 9. Turn off the electricity and water supplies to the water Boiler. Remove the outer and inner tank lids in order to inspect the inside of the water tank for results of the de-scaling.
 10. Take a suitable container and drain approximately 1 liter of water via the tap/faucet to flush through the drain tube. The remaining contents of the tank can be drained via the drain tube by operating the drain valve on the right hand side of the Water Boiler.
 11. Once fully drained, again inspect the water tank for scale deposits paying particular attention the water sensor probes. Ensure these are thoroughly clear of scale to ensure efficient functioning of the Water Boiler.
 12. Replace the inner tank lid, and then the outer lid.
 13. Switch on both power supply and water supply to the Water Boiler.

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14. Allow the Water Boiler to fill completely, when full; turn off the electricity and water supply. Now drain the tank completely, using the Drain Valve on the RH side of the Water Boiler. This will purge the de-scaling compound from the tank, and drain tube.
15. Switch on the electricity and water supplies, and then use the Water Boiler as normal.

Please note Eurodib will not accept any responsibility for faults caused by the build up of scale.
In hard Eurodib recommends a water filter to be installed with the water boiler to assist in limiting the build up of scale.

A Eurodib dealer or a Recommended Qualified Service Technician should carry out repairs if required.

Trouble Shooting

If your Eurodib Auto Fill Water Boiler does not operate, please check the following before placing a service call.

Fault	Probable Cause	Remedial Action
The indicator Light is flashing red & alarm sounding. The red light continues to flash after the alarm is silent.	Water supply too low or restricted.	Increase water supply. Check the drain valve is off. Check the water supply tube in case it is obstructed. If these do not work call a service agent or qualified technician.
	Water Boiler is not heating.	Check water supply Check the power supply, plug or isolating switch fuse. If these do not work call a service agent or qualified technician.
	Tank not filling with water.	Ensure the tank is clean and free of scale, de-scale if required. Check sensors are not obstructed by scale or debris.
	Overheating:	The control processor has failed or not operating. Call service agent or qualified technician.
	Temperature sensor not operating.	The control processor has failed or not operating. Call service agent or qualified technician.
The Water Boiler will not operate.	Power supply has failed	Check the power supply, plug or isolating switch fuse. If these do not work call a service agent or qualified technician.
Water boils continually	Water supply is too low or has failed.	Increase the water supply. Check the water supply valve is fully turned on. Check the water delivery tube is free of obstructions. If these do not work call a service agent or qualified technician.
Water overflows through the drainage tube	Non return valve or water sensor has failed.	Call a service agent or qualified technician.

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Before calling a service agent or qualified technician:

- ❖ Check there is correct power supply.
- ❖ The machine is plugged in correctly and power is switched on.
- ❖ The water supply is turned on and not obstructed.

Technical Specifications

Dimensions

Model	Height (in)	Weight (in)	Depth (in)
SFE01350	19.3	11.6	10.4
SFE01360	23.2	11.6	10.4
SFE01370	23.2	15	10.4
SFE01380	23.2	18.3	10.4

Electrical

Model	Volts	Amps	Watts
SFE01350	220~240V	9.8A	2250W
SFE01360	220~240V	12.2A	2800W
SFE01370	220~240V	19.6A	4500W
SFE01380	220~240V	24.3A	5600W

Weight

Model	Net Weight	Workload (full of water)
SFE01350	23lb	48.5lb
SFE01360	28.2lb	56.2lb
SFE01370	32.6lb	71.6lb
SFE01380	37lb	90.4lb

Capacities

Model	Capacity	Total Capacity
SFE01350	≥4.8 L	9.7L
SFE01360	≥9.4L	15L
SFE01370	≥14.5L	21L
SFE01380	≥18.5L	26L

Heat Up Time 98 degree (200KPA for water pressure)

Model	Initial fill – to lower sensor	Fill to maximum sensor
SFE01350	12mins	28mins
SFE01360	9mins	30mins
SFE01370	10mins	28mins
SFE01380	10mins	29mins

Rates

Model	Drain Tap	Rapid draw off	Recovery	Output
SFE01350	3.9L/min	6 litre	0.4L/ min	25 L/hour
SFE01360	3.9L/min	12 litre	0.45L/ min	39.6 L/hour
SFE01370	3.9L/min	15 litre	0.5L/ min	41.7L/hour
SFE01380	3.9L/min	21 litre	0.8L/ min	55.8 L/hour

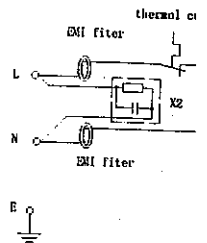
Drain Down

Model	From the high water level to empty
SFE01350	3.5mins
SFE01360	4.5mins
SFE01370	5mins
SFE01380	7mins

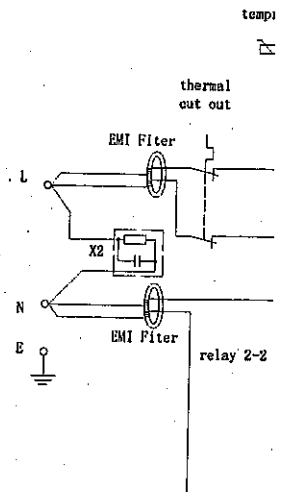
Note: A-weight sound pressure level is below 70 dB.

Electrical Diagram Circuit Diagram

Models: SFE01350/SF



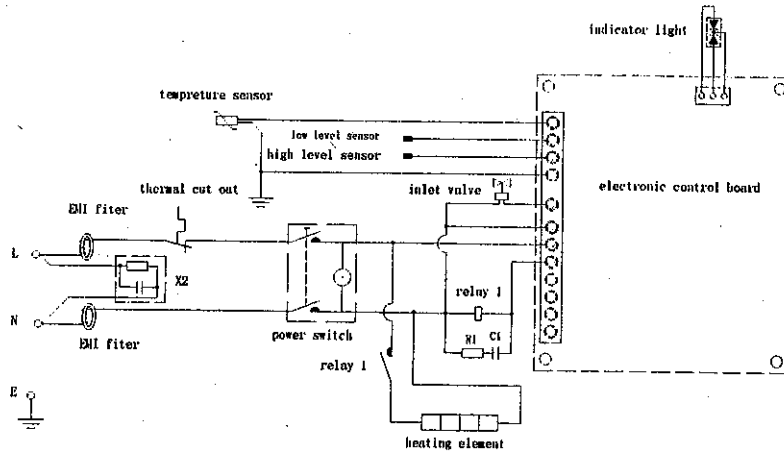
Model: SFE01370/1



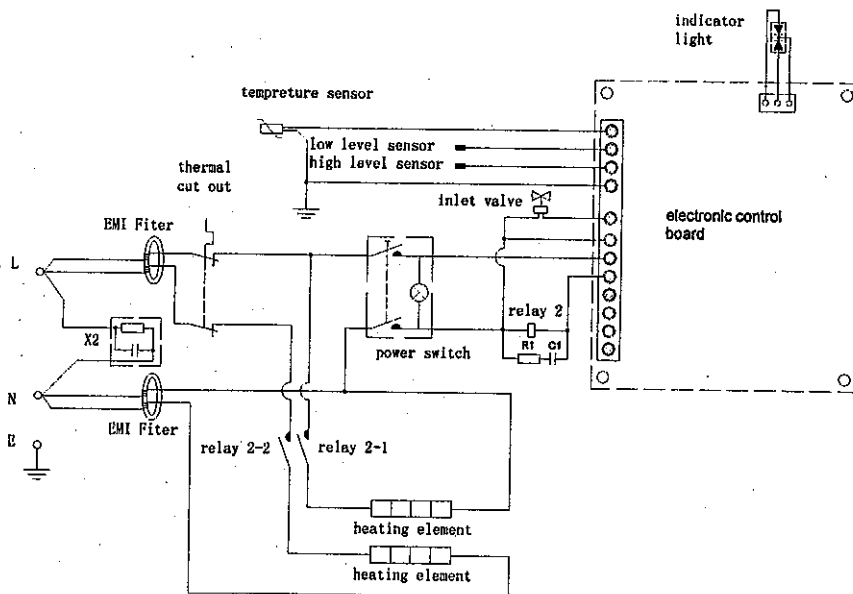
Electrical Diagrams

Circuit Diagram

Models: SFE01350/SFE01360



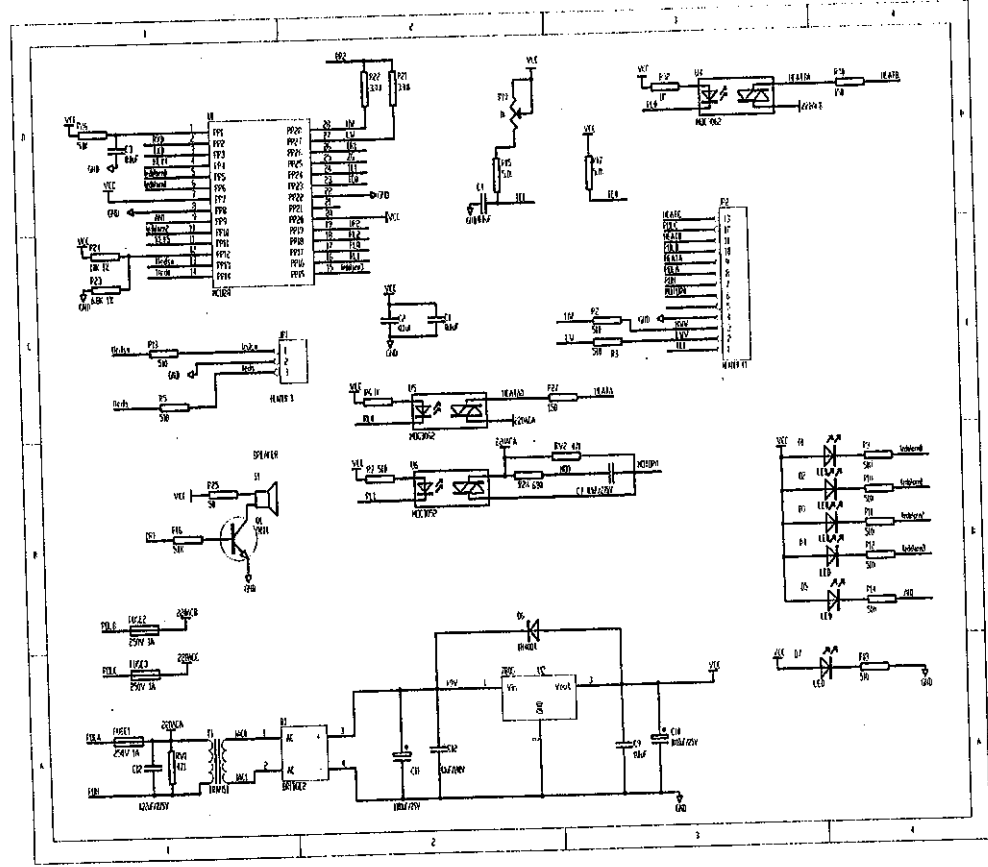
Model: SFE01370/1380



Principle Diagram (Electronic Board)

Explosion

Models: SF

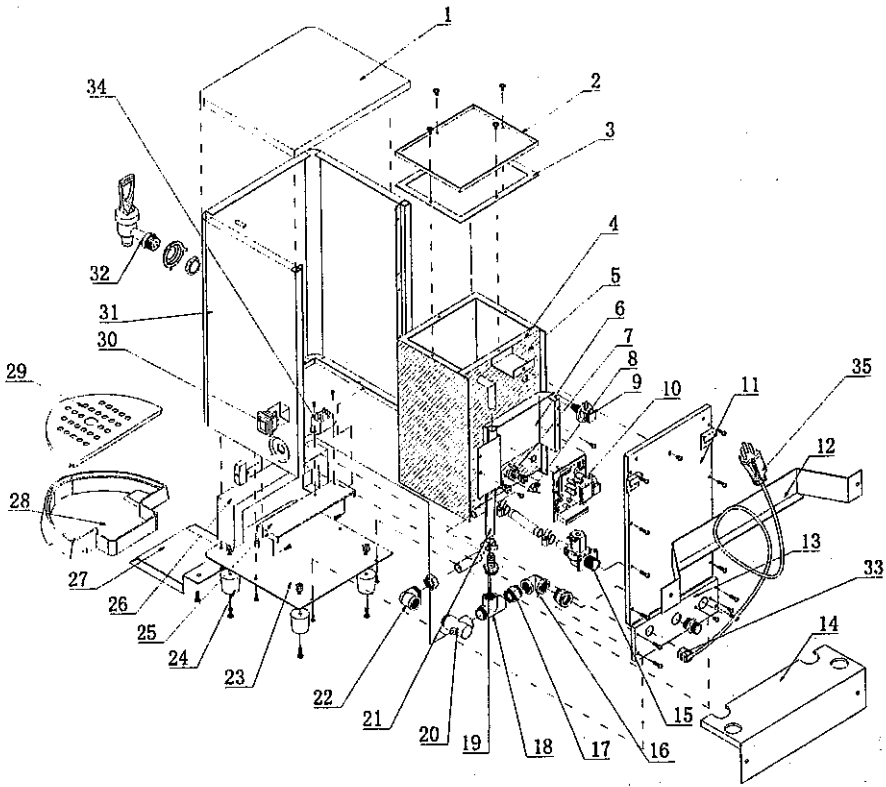


The above circuit diagram and principle diagram have been provided to assist qualified technicians. A Recommended Qualified Service Technician should carry out repairs if needed. Do not remove any components or service panels on this

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Explosion View

Models: SFE01350/ SFE01360



Spare Parts List

No.	Description	Part No. SFE01350	Part No. SFE01360	Part No. SFE01370	Part No. SFE01380
1	COVER	L01360005	L01360005	L01370005	L01380005
2	WATER TANK COVER	L01360008	L01360008	L01370008	L01380008
3	SILICARUBBER WASHER	L01360011	L01360011	L01370009	L01380009
4	WATER TANK BODY	L01350004	L01360004	L01370004	L01380004
5	INSULATION	P01220004	P01220005	P01220007	P01220006
6	LOCKING CIRCUIT BOARD SUPPORT	L01350016	L01360016	L01370011	L01380011
7	HEATING ELEMENT	P01020038	P01020043	P01020038	P01020043
8	THERMAL CUT OUT	P01050121	P01050121	P01050122	P01050122
9	SENSOR	P02020003	P02020003	P02020003	P02020003
10	ELECTRONIC BOARD	P01241357	P01241357	P01241357	P01241357
11	BACK PLATE (Upper)	L01350002	L01360002	L01370002	L01380002
12	BRACKET (Upper)	L01360018	L01360018	L01370018	L01380015
13	BACK PLATE (Lower)	L01360007	L01360007	L01370007	L01380007
14	BRACKET (Lower)	L01360020	L01360020	L01370020	L01380016
15	MAGNETIC VALVE	P01230002	P01230002	P01230002	P01230002
16	DRIP TAP CONNECTION - C (F)	P03110006	P03110006	P03110006	P03110006
17	CONNECTOR	P03110009	P03110009	P03110009	P03110009
18	BRASS DRAIN CONNECTION - G	P03110008	P03110008	P03110008	P03110008
19	BRASS DRAIN CONNECTION - F	P03110010	P03110010	P03110010	P03110010
20	DRAIN VALVE CONNECTION	P03110007	P03110007	P03110007	P03110007
21	SILICA GEL TUBE	P02030002	P02030002	P02030002	P02030002
22	DRIP TAP CONNECTION - C(B)	P03110001	P03110001	P03110001	P03110001
23	BOTTOM PLATE	L01360006	L01360006	L01370006	L01380006
24	FEET	P02130003	P02130003	P02130003	P02130003
25	COOLING PLATE	L01360017	L01360017	L01370012	L01380012
26	WATER TANK HOLDER	L01360012	L01360012	L01370010	L01380010
27	SPILLAGE TRAY SUPPORT	L01360013	L01360013	L01360013	L01360013
28	SPILLAGE TRAY	P02270001	P02270001	P02270001	P02270001
29	SPILLAGE TRAY COVER	L01350019	L01350019	L01350019	L01350019
30	ON/OFF SWITCH	P01160301	P01160301	P01160301	P01160301
31	MAIN BODY	L01350001	L01360001	L01370001	L01380001
32	DRAIN TAP	P03122690	P03122690	P03122690	P03122690
33	BUSHING	P02080002	P02080002	P02080004	P02080004
34	RELAY	P01260001	P01260001	P01260002	P01260002
35	PLUG + LEAD	P01110415	P01110415	/	/
*	WATER INLET HOSE	P02110005	P02110005	P02110005	P02110005
*	WATER OUTLET	P02110006	P02110006	P02110006	P02110006

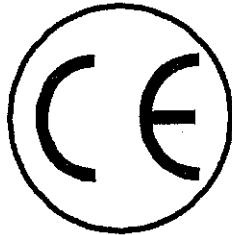
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Compliance

Eurodib products have undergone strict product testing in order to comply with regulatory standards and specifications set by international, independent, and federal authorities.

As testimony to such compliance, Eurodib products carry the following marks/symbols:



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