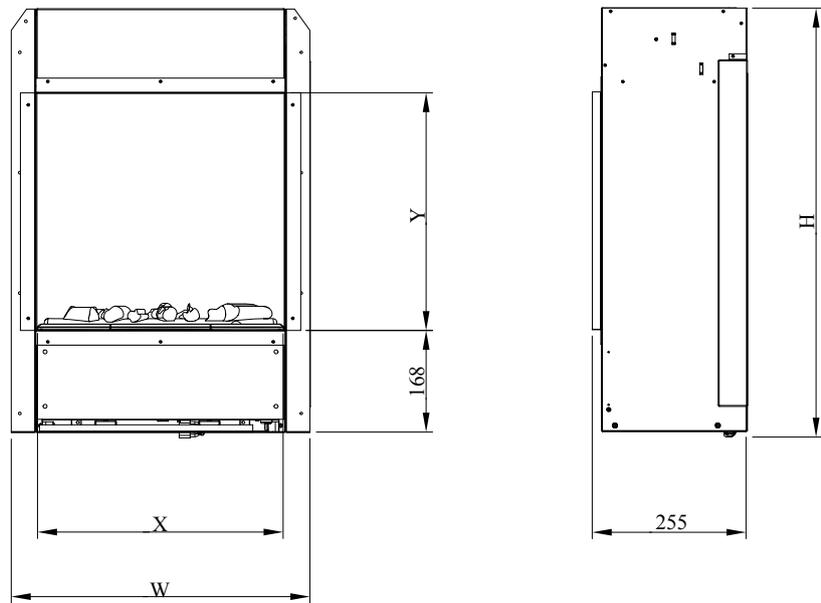


Pro Range ENG56-600M for RAV20-AU

8/52128/0 Issue 4
OCN 11193

Fig. 1



MODEL	'H'	'W'	'X'	'Y'
ENG56-600M	700mm	646mm	569mm	395mm

Fig. 2

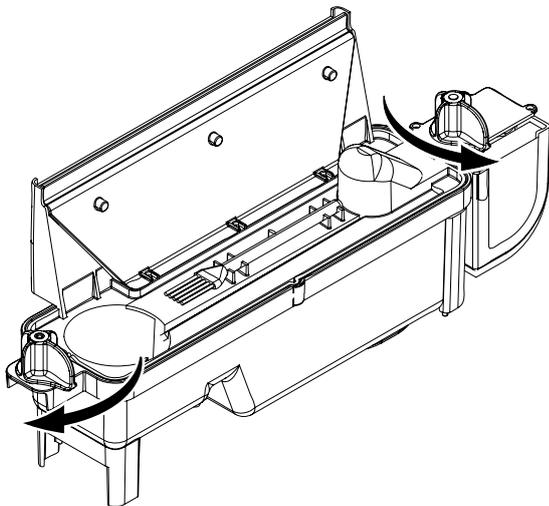


Fig. 3

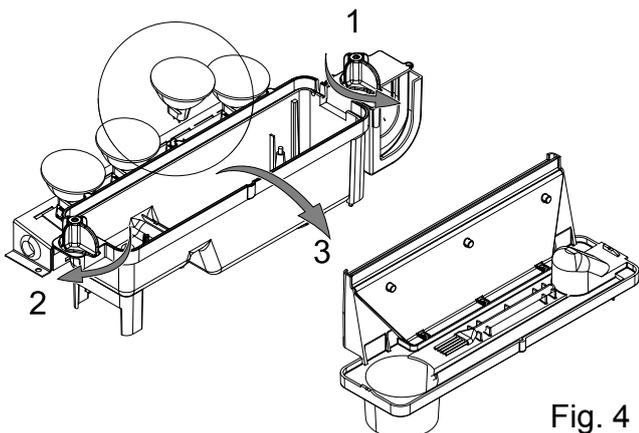
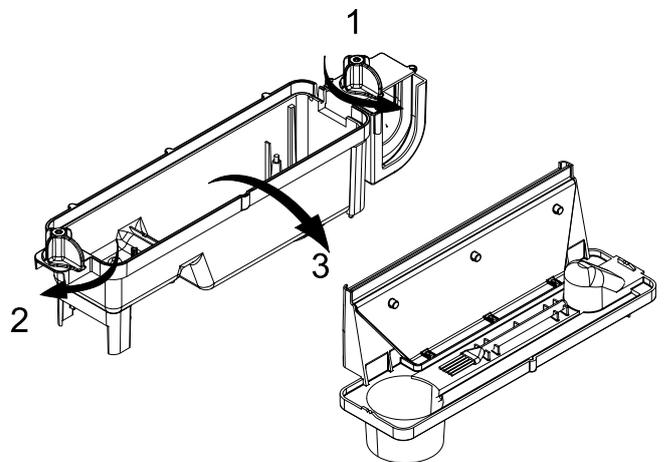


Fig. 4

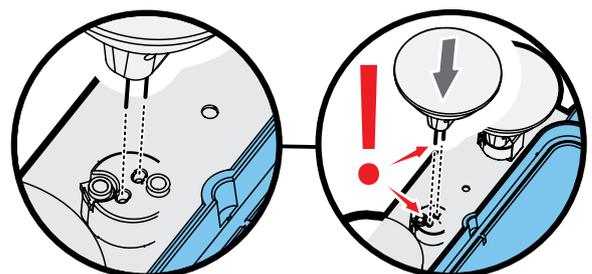


Fig. 4a

Fig. 5

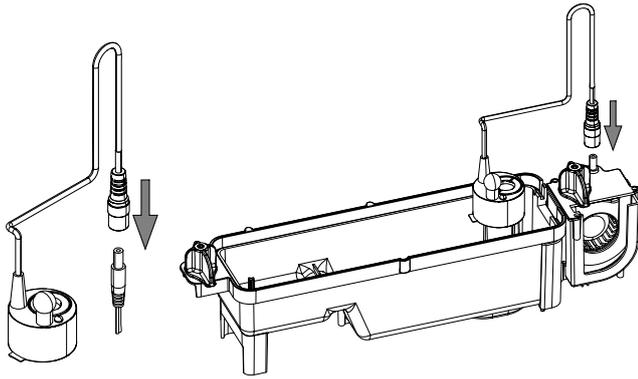


Fig. 5a

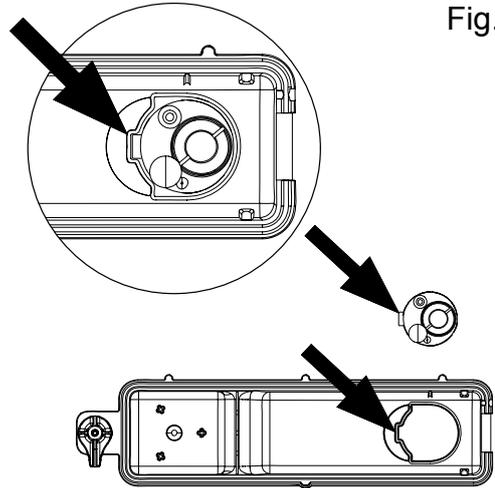


Fig. 5b

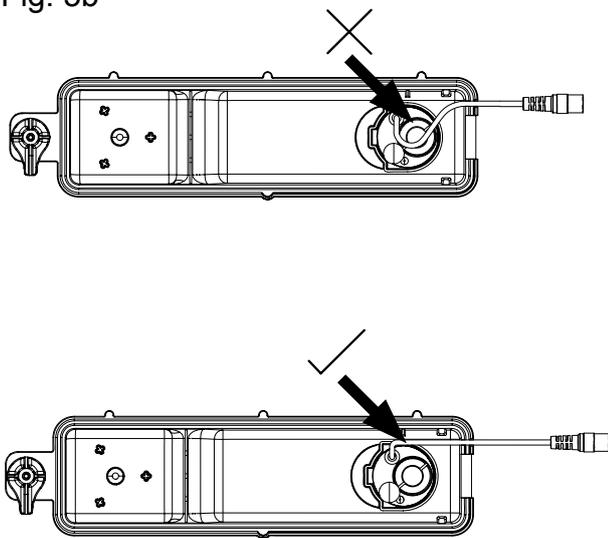


Fig. 6

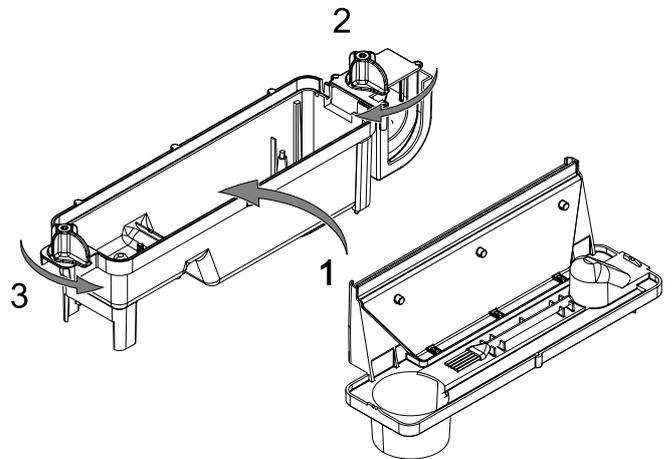


Fig. 7

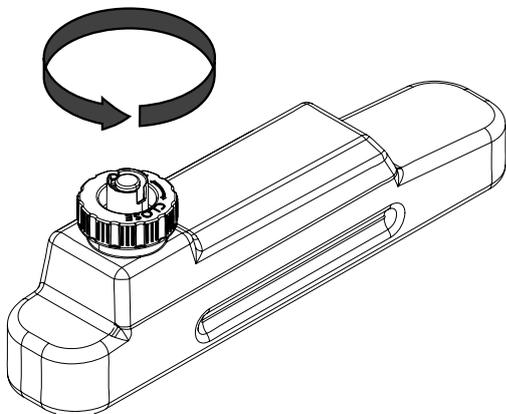


Fig. 8

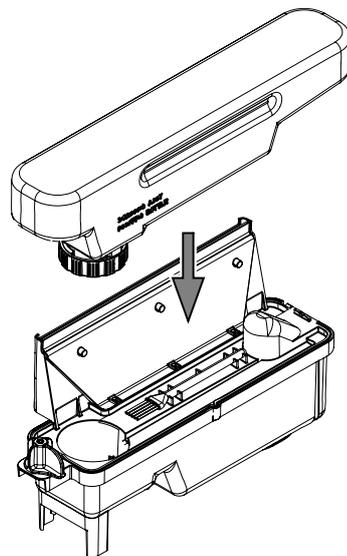


Fig. 9

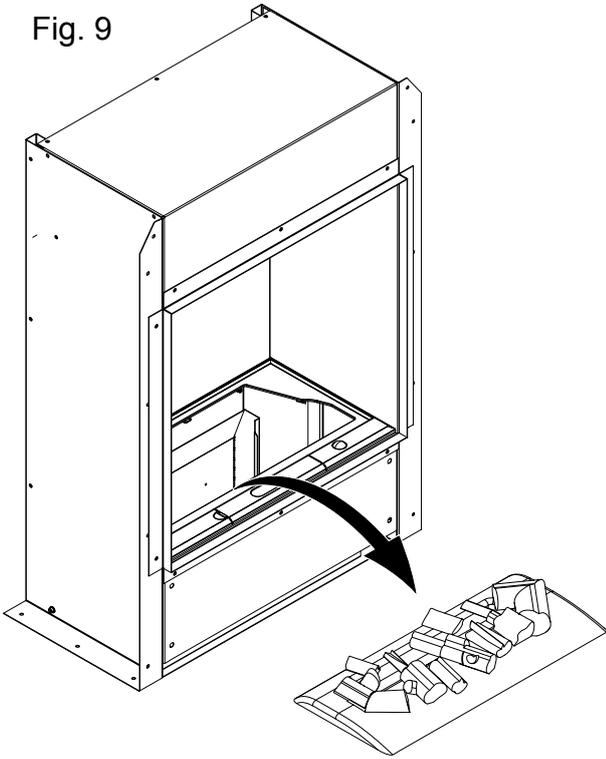


Fig. 10

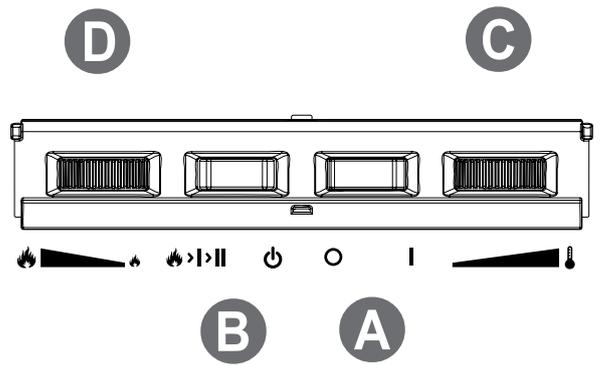


Fig. 11

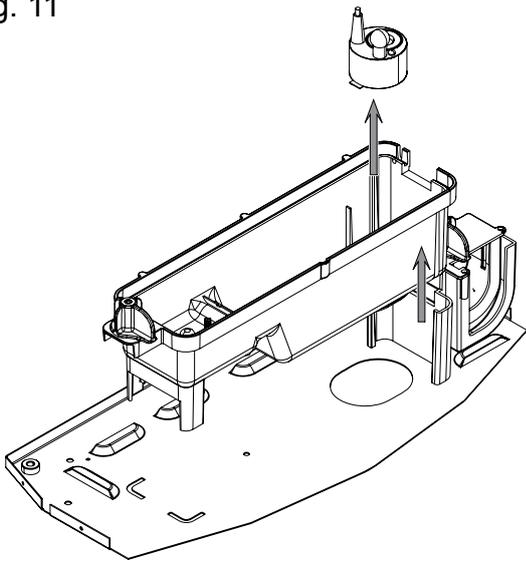


Fig. 12

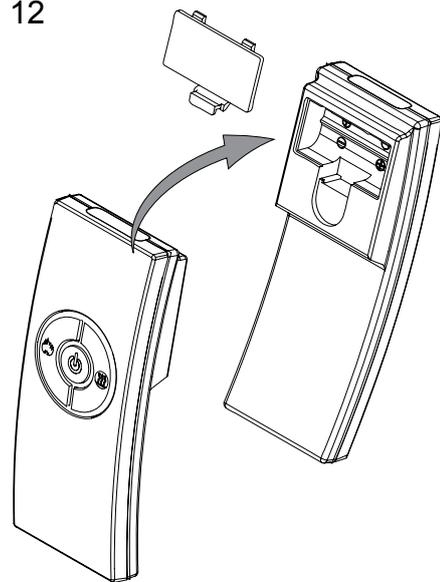


Fig. 13



Fig. 14

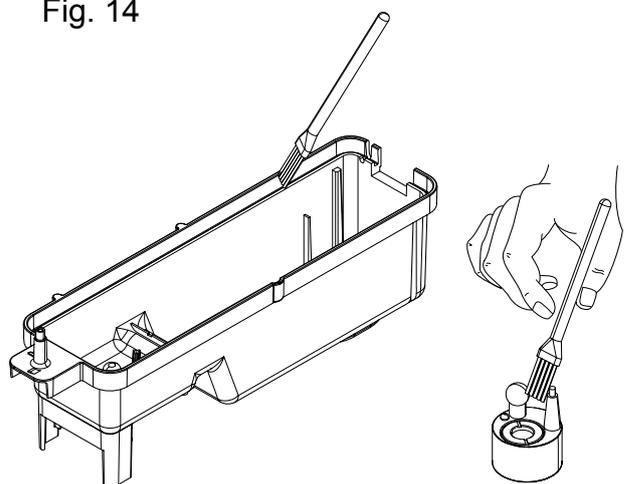


Fig. 15

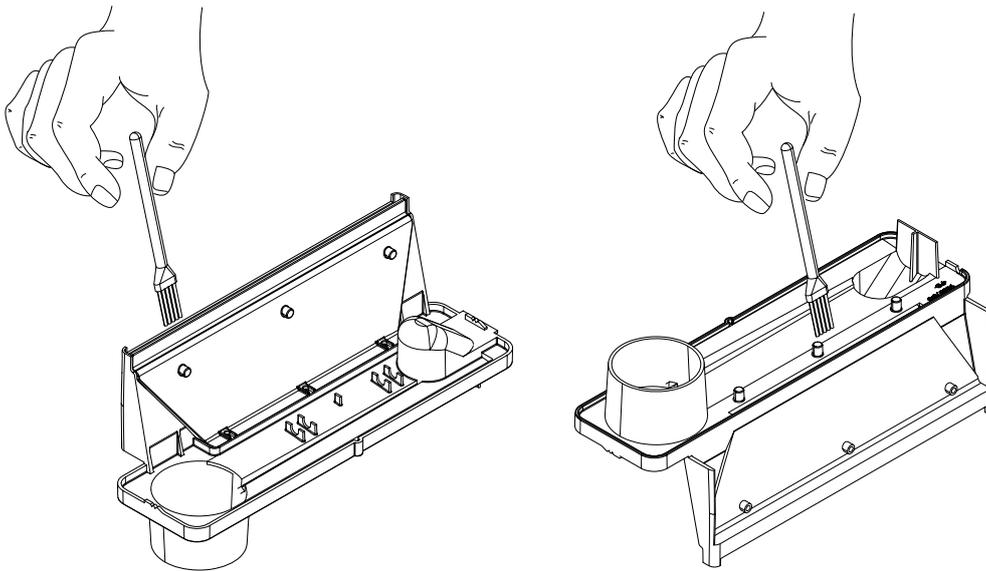


Fig. 16

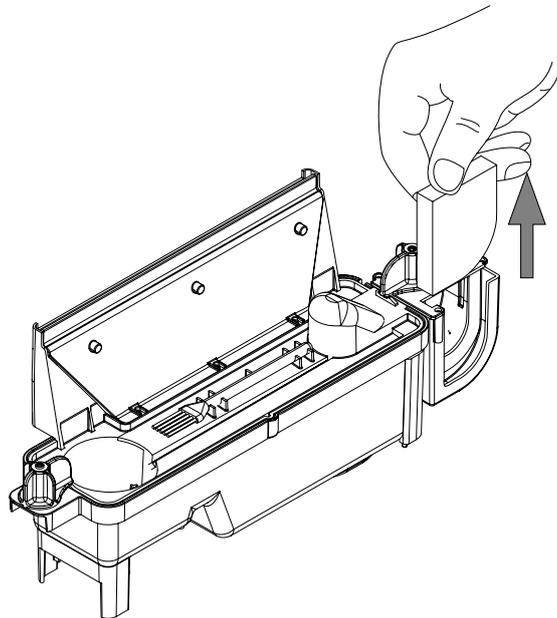
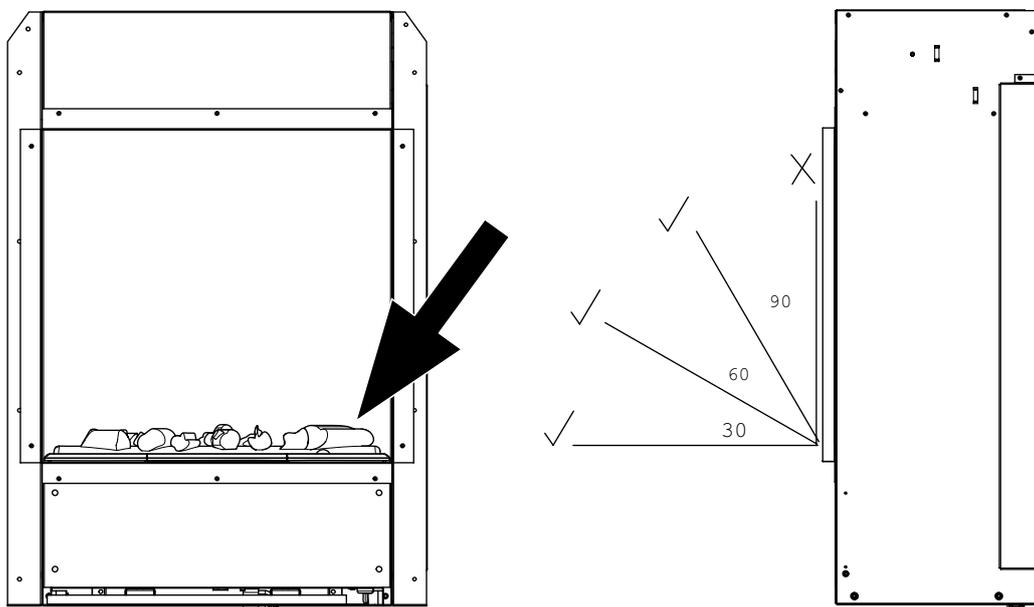


Fig. 17



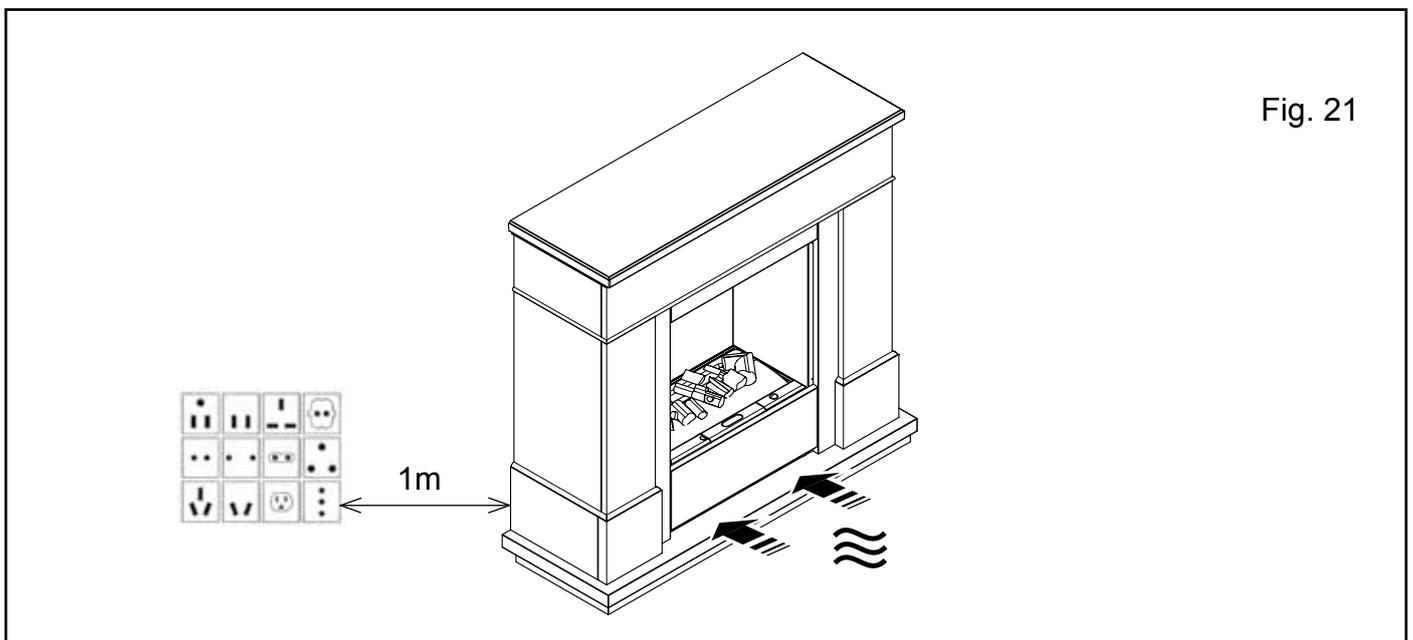
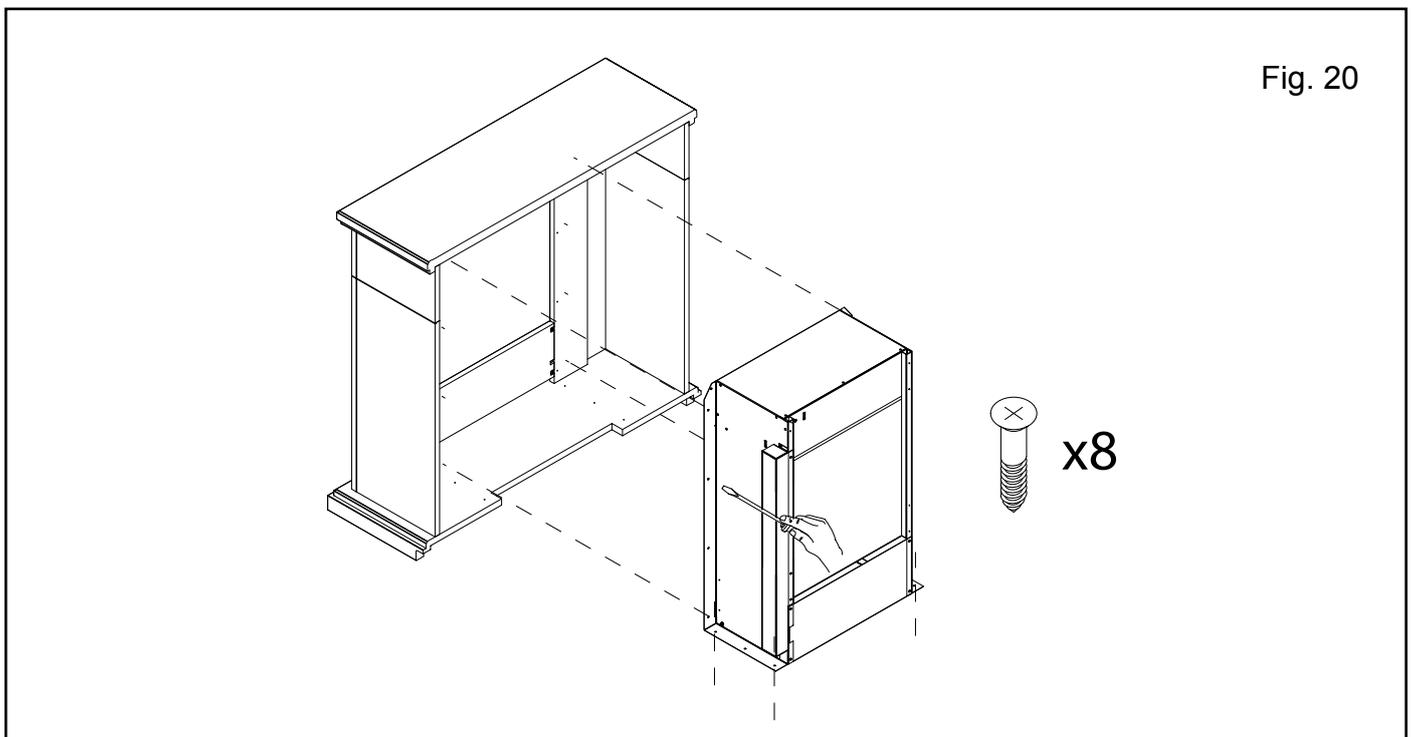
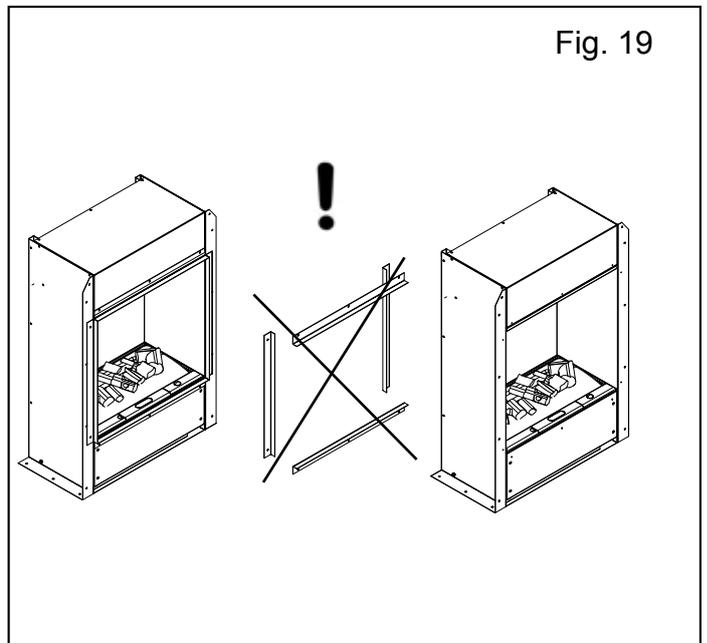
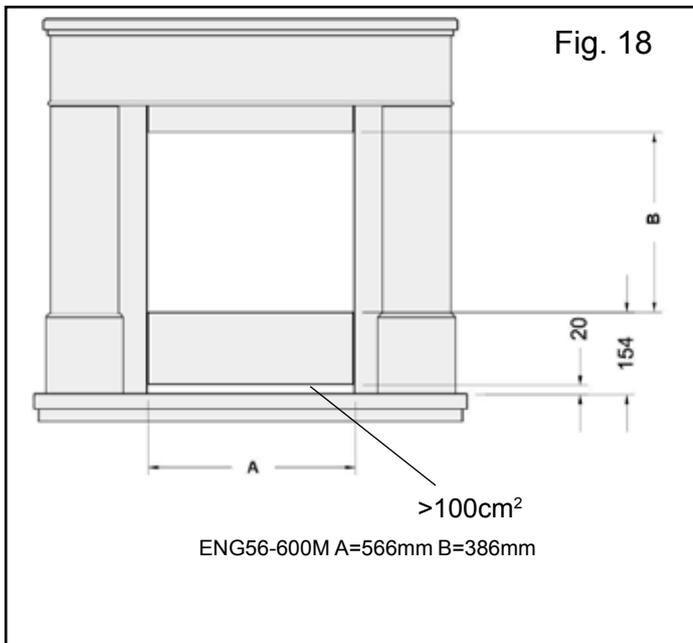


Fig. 22

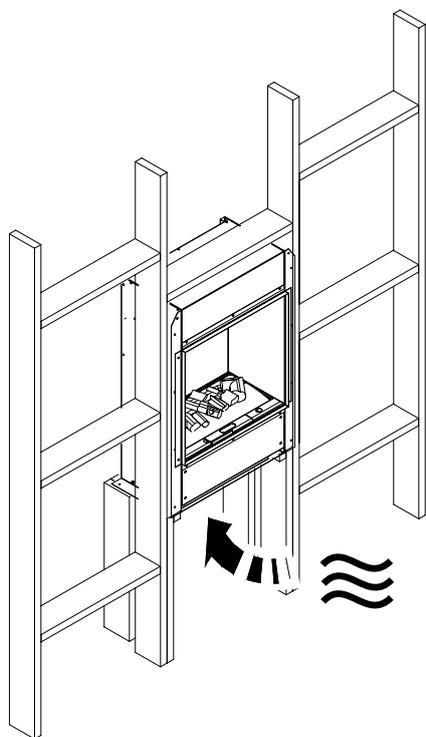
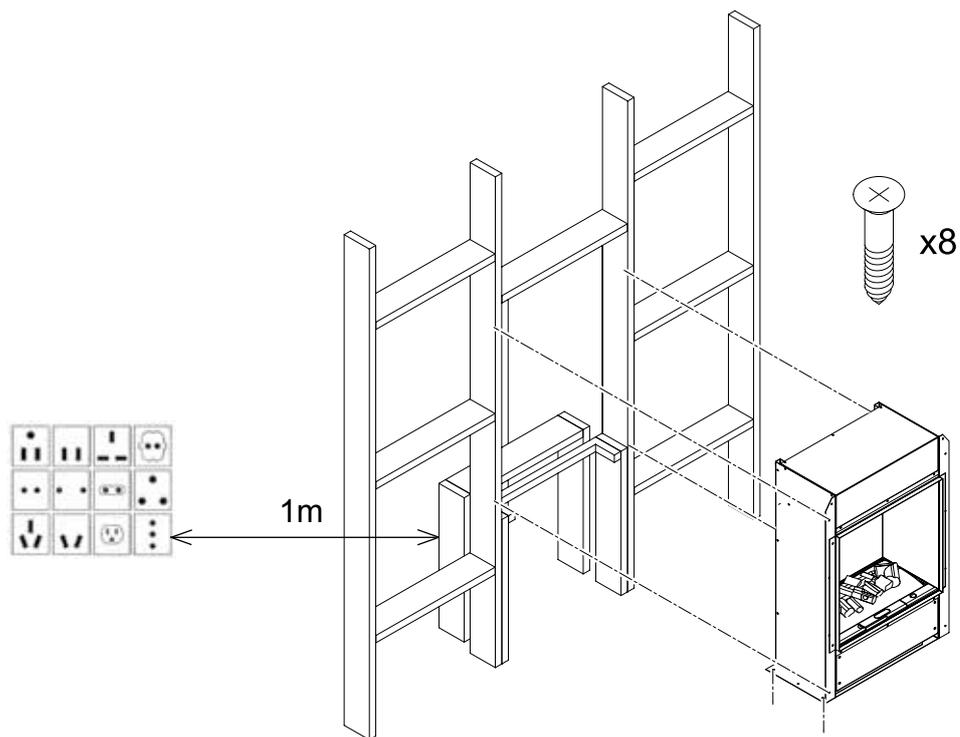


Fig. 22

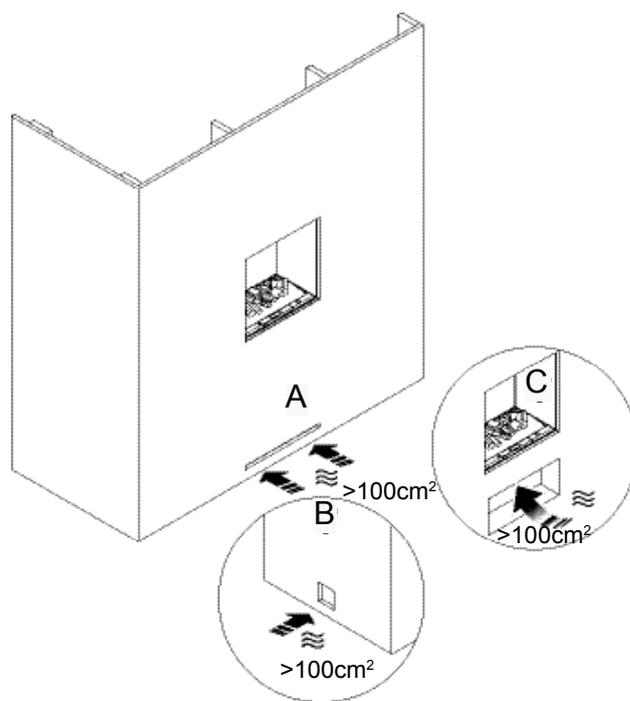


Fig. 23

Introduction

Please read this information guide carefully to be able to safely install, use and maintain your product.

Important Safety Advice

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock and injury to persons, including the following:

1. OVERHEATING

WARNING: In order to avoid overheating, do not cover the heater. Do not place material or garments on the heater, or obstruct the air circulation around the heater. The heater carries the warning symbol indicating that it must not be covered. 

2. DAMAGE.

If the appliance is damaged, check with the supplier before installation and operation.

If the supply cord is damaged it must be replaced by the manufacturer or service agent or a similarly qualified person in order to avoid a hazard.

3. LOCATION

Do not use outdoors.

Do not use in the immediate surroundings of a bath, shower or swimming pool.

Do not locate the heater immediately below a fixed socket outlet or connection box.

Ensure that furniture, curtains or other combustible material are positioned no closer than 1 metre from the heater.

Although this heater conforms with safety standards, we do not recommend its use on deep pile carpets or on long hair type of rugs.

4. PLUG POSITIONING

The appliance must be positioned so that the plug is accessible. **DO NOT** place the heater directly below a fixed socket outlet. Keep the supply cord away from the front of the heater.

5. USE OF OTHER CONTROLS

Do not use this heater in series with a thermal control, a program controller, a timer or any other device that switches on the heat automatically, since a fire risk exists when the heater is accidentally covered or displaced. **Warning:** Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.

CAUTION: In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

6. UNPLUGGING

In the event of a fault unplug the device. Unplug the device when not required for long periods.

7. OWNER/USER

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Cleaning and user maintenance shall not be made by Children.

Children shall not turn on/off the appliance.

Children should be supervised to ensure that they do not play with the appliance.

8. ELECTRICITY

WARNING – THIS APPLIANCE MUST BE EARTHED.

This heater must be used on an AC ~ supply only and the voltage marked on the heater must correspond to the supply voltage.

Before switching on, please read the safety advice and operating instructions.

General Information

Only use filtered water in this appliance.

Always ensure that the appliance is sitting on a level surface.

Although this heater complies with safety standards, we do not recommend its use on deep pile carpets or on long hair type of rugs.

Please note: Used in an environment where background noise is very low, it may be possible to hear a sound which is related to the operation of the flame effect. This is normal and should not be a cause for concern.

If this product experiences a power surge for whatever reason the product may cut-out. This is a normal safety feature and the product will resume operation after 30 seconds.

Once installed, never move this appliance or lay on its back, without draining the water from sump and water tank.

If you intend not using the appliance for longer than 2 weeks, drain the water from sump and water tank and dry the sump.

The water tank, sump, sump lid, tank cap and air filters must be cleaned once every two weeks, particularly in hard water areas.

The appliance should never be operated if the lamps are not working.

The lamps should be regularly inspected as described under 'Maintenance' and 'Changing lamps'.

The sump and the water tank in this product are treated with a biocidal product, Silver Biocide. This conforms with the latest relevant ISO standard

Installation Instructions

This section describes how to set up your fire.

BEFORE YOU START

1. Ensure that all packing items are removed (read any warning labels carefully) and retain all packing for possible future use e.g. in the event of moving house or returning the appliance to your supplier.
2. Before connecting the appliance, check that the supply voltage is the same as that stated on the heater.

Installation into a Fireplace Mantle

1. When installing this appliance into a fireplace mantle please ensure that you choose a mantle suitable for your appliance (Fig 18). **There is to be an air vent at the front of the fireplace mantle of at least 88cm². It is essential to ensure that air can circulate into the appliance – otherwise the Opti-myst flame effect will not operate correctly. This pathway for air must not be obstructed**
2. Remove the 4 spacing brackets on the front of the appliance (Fig 19)
3. Slide the appliance into the fireplace mantle fully from the back ensuring that it is sitting in the center of the mantle. Using suitable screws (not supplied) screw fix the appliance in place (Fig 20)
4. Be sure to position the fireplace within 1m of a power outlet (Fig 21)

Installation into a wall or recess cavity

1. Note the product dimensions in Fig 1 and build a suitable structure for the appliance to fit into within 1m of a power outlet (Fig22). Using suitable screws (not supplied) screw fix the appliance in place
2. Note the venting slots in the appliance. There are located at the front base and under the appliance
3. Build the wall up against the appliance using the spacing brackets as a guide.
4. **There is to be an air vent at the front of the structure of at least 88cm². It is essential to ensure that air can circulate into the appliance – otherwise the Opti-myst flame effect will not operate correctly. This pathway for air must not be obstructed. For examples of air vents in a wall or recess cavity see Fig 23**

Connecting the Transducer Unit + Lamps

1. Release the two red tabs by turning them by 90 degrees (Fig 2)
2. Lift out the Sump Nozzle (Fig 3)
3. Insert lamps into lamp holders (Fig 4), carefully locating the pins into the holes (Fig 4a)
4. Push lamps firmly into place
5. Place the Transducer Unit into the sump and join the cable to the connector on the sump (Fig 5)
6. To ensure that the Transducer Unit is correctly placed in the sump, the tab on the Transducer Unit should be lined up with the moulded recess in the sump (Fig 5a).
7. Ensure that the cable is not placed above the disc on the Transducer Unit (Fig 5b). To prevent the cable becoming pinched between the nozzle and the sump, place the cable in the slot in the wall of the sump.

8. Replace the Sump Nozzle and secure it by turning the two red tabs by 90 degrees (Fig 6)

Filling the Water Tank

9. Place Water Tank in sink and remove cap (turn anti-clockwise to open) (Fig 7)

10. Fill Water Tank with **filtered tap water only**. This is necessary to prolong the life of the flame and smoke producing unit. The water should be filtered through a conventional domestic water filter unit and the filter should be replaced regularly. Distilled water must **not** be used.

11. Screw the cap back on – **do not overtighten**.

12. Place the Water Tank in the Sump, with the tank cap facing down and the flat side of the tank facing outward (Fig 8)

Assembling the fire

13. Place the Fuelbed on top of the Water Tank and Mist Nozzle (Fig 9)

Operating the Fire

This section describes how to activate your fire using either the manual controls or remote control.

MANUAL CONTROLS

The manual controls are located beneath the hinged flap. (Fig.10 for Manual Control lay out)

Switch 'A':- Controls the electricity supply to the Fire.

Note: This switch must be in the 'ON' (I) position for the Fire to operate either with or without heat.

Switch 'B':- Press  once to turn on the flame effect. This will be indicated by an audible beep. Although the main lights operate immediately it will take a further 30 seconds before the flame effect starts.

Press  again to give flame effect and half heat. This will be indicated by two beeps.

Press  again to give flame effect and full heat. This will be indicated by three beeps.

Press  again to return to flame effect only. This will be indicated by one beep.

Press  to put fire in to standby mode. This will be indicated by one beep.

Control Knob 'C':- Controls the Thermostat setting.

Turning the control knob to the left will decrease the temperature setting, turning the control knob to the right will increase the temperature setting.

Control Knob 'D':- Controls the intensity of the flame effect.

Turning the control knob to the left increases the flame effect, turning the control knob to the right will decrease the flame effect.

SETTING THE THERMOSTAT

Ensure the fire is plugged in and switch it on to the full heat setting. Turn the Control Knob 'C' fully to the right (max temperature setting) to warm the room rapidly. When the room temperature has reached the desired level, turn the thermostat knob back slowly until you hear the thermostat just click off. The heater will then maintain the room temperature at the chosen level.

Note: Should your heater fail to come on when the thermostat is at a low setting, this may be due to the room temperature being higher than the thermostat setting

THERMAL SAFETY CUT-OUT

A thermal safety cut-out is incorporated in the fan heater to prevent damage due to overheating. This can happen if the heat outlet was restricted in any way. If the cut-out operates, unplug the heater from the socket outlet and allow approximately 10 minutes before reconnecting. Before switching the heater back on remove any obstruction that may be restricting the heat outlet, then continue normal operation.

Caution: In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a switch that is regularly switched on and off by the utility.

GETTING THE DESIRED FLAME EFFECT

1. The flame control knob 'D' (Fig.10) may be turned up or down to give a more realistic effect.

2. Generally the flames appear more realistic when the flame control is turned down.

3. Give the flame generator time to react to changes you may make.

4. The fire will use less water if the flame effect is set to a lower level.

5. Do not tilt or move the fire while there is water in the tank or sump.

6. Make sure that the fire is on a level floor.

REMOTE CONTROL OPERATION

On the control panel, Switch A (Fig.10) must be in the 'ON' (I) position in order for the remote control to operate.

There are 3 buttons on the remote control. (Fig.12) To operate correctly the remote must be pointed towards the front of

the grate. (Fig 17). The remote control functions are as follows:



Press once to turn on Flame effect only.
This will be indicated by one beep.



Press once to turn on Half Heat and Flame Effect.
This will be indicated by two beeps.
Press again to turn on Full Heat and Flame Effect.
This will be indicated by three beeps.



Standby
This will be indicated by one beep.

Maintenance

GENERAL TIPS

Only use filtered tap water in this appliance.

Always ensure that the appliance is sitting on a level surface.

If you intend not using the appliance for longer than 2 weeks, remove and empty the sump and water tank.

Once installed, never move this appliance or lay on its back, without draining the water from sump and water tank.

The appliance should never be operated if the lamps are not working.

The lamps should be regularly inspected as described under 'Changing lamps'.

FILLING THE WATER TANK

When the water tank is empty, the flame and smoke effect shuts off and you will hear 2 audible beeps, follow these steps.

1. Press Switch 'A' to **(0)** (Fig.10)
2. Gently lift out the fuelbed and carefully set aside.
3. Remove the water tank by lifting upwards and outwards.
4. Place the water tank in sink and remove cap, Anti-clockwise to open. (Fig 7)
5. Fill tank with **filtered tap water only**. This is necessary to prolong the life of the flame and smoke producing unit. The water should be filtered through a conventional domestic water filter unit and the filter should be replaced regularly.
6. Screw the cap back on, do not over tighten.
7. Return the tank to the sump, with the tank cap facing down and the flat side of the tank facing outward. (Fig 8)
8. Gently place the fuelbed back into position. (Fig 9)
9. Press Switch 'A' to 'ON' **(I)** position (Fig.10)

CHANGING LAMPS

If the flame and smoke effect appears grey or colourless it may be that one or more lamps have failed.

You can check for lamp failure as follows.

1. Leaving the flame effect on, lift out the fuelbed and water tank.
2. It should be possible to view the lamps with the nozzle in place and observe which one needs to be changed.
3. Put Switch 'A' in the 'OFF' position, and unplug the fire from the mains.
4. Leave the appliance for 20 minutes to allow the lamps to cool down before removing them.
5. Remove the sump as described in the Cleaning Section.
6. Remove the defective lamp, by gently lifting vertically and disengaging the pins from the lamp holder, (Fig.4 and 4a). Replace with a Dimplex OPTIMYST, 12V, 45W, Gu5.3 base, 8° beam angle, coloured lamp. (To purchase replacement lamps go to the section 'After Sales Service', details of how to purchase the lamps are contained therein.)
7. Carefully insert the two pins of the new lamp into the two holes in the lamp holder. Push firmly in place. (Fig.4 and 4a).
8. Replace the sump, nozzle, water tank and fuelbed.

CLEANING

Warning – Always press Switch 'A' to the 'OFF' **(0)** position (Fig.10) and disconnect from the power supply before cleaning the fire.

We recommend cleaning the following components once every 2 weeks, particularly in hard water areas:-

Water Tank, Sump, Nozzle, Tank cap and seal, Air filter.

For general cleaning use a soft clean duster – never use abrasive cleaners.

To remove any accumulation of dust or fluff the soft brush attachment of a vacuum cleaner should occasionally be used to clean the outlet grille of the fan heater.

Water tank

1. Remove water tank, as described earlier, put into sink and empty water.
2. Using the supplied brush gently rub the inside surfaces of the cap paying particular attention to the rubber ring in the outer groove and the centre rubber seal.
3. Put a small quantity of washing up liquid into the tank, refit the cap and shake well, rinse out until all traces of washing

up liquid are gone.

4. Refill with filtered tap water only, replace the cap, do not overtighten.

Sump

1. Press Switch 'A' to the 'OFF' (0) position
2. Gently lift out the fuelbed and place carefully on the ground.
3. Remove the water tank by lifting upwards.
4. Disconnect the electrical connector, located on the right side of the sump. (Fig.5) .
5. Release the right sump locking tabs by turning 90°. This allows the sump to be lifted completely from its location. (Fig. 11)
6. Gently lift up the sump, taking care to keep level so as not to spill any water. Sit the assembly in the sink.
7. Release the left sump locking tabs by turning 90°, then lift off the Nozzle. (Fig.3)
8. Lift out the transducer and carefully tilt, as shown, so that the liquid drains out of the sump. (Fig.13)
9. Put a small amount of washing up liquid into the sump, and using the supplied brush, gently clean all surfaces in the sump and gently clean the transducer including the metal discs located in the top grooved surface. (Fig.14)
10. When cleaned, thoroughly rinse the sump with clean water to remove all traces of washing up liquid.
11. Clean the Nozzle with the brush and flush out thoroughly with water. (Fig.15)
12. Reverse the above steps to reassemble.

Air filter

1. Gently lift out the fuelbed and place carefully on the ground.
2. Gently slide the air filter upwards out of its plastic holder. (Fig.16)
3. Gently rinse with water in the sink and dry with fabric towel before returning.
4. Replace the filter making sure that the coarse black filter is facing the front of the fire.
5. Replace the fuelbed.

Additional Information

AFTER SALES SERVICE

Your product is guaranteed for two year from the date of purchase. Within this period, we undertake to repair or exchange this product free of charge (excluding lamps & subject to availability) provided it has been installed and operated in accordance with these instructions. Your rights under this guarantee are additional to your statutory rights, which in turn are not affected by this guarantee.

Should you require after sales information or assistance with this product please contact Glen Dimplex Australia on 1300 556 816 or visit our website at www.dimplex.com.au

RECYCLING

 Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities. Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the ground water, polluting the food chain and damaging health and well-being.

PATENT / PATENT APPLICATION

Products within the Optimyst range are protected by one or more of the following patents and patent applications:

Great Britain GB 2402206, GB 2460259, GB 2460453 , GB 2418014, GB 2465738, GB 2449925, GB 2465537 , GB 2455277 , GB1020534.2, GB1020537.5, GB1110987.3

United States US 7967690, US 2010299980, US 2011062250, US 2008028648, US 13/167,042

Russia RU2008140317

European EP 2029941, EP 2201301, EP 2315976, EP 1787063, EP07723217.1 , EP11170434.2, EP 11170435.9

China CN 101883953, CN 200980128666.2, CN 101057105, CN 101438104

Australia AU 2009248743, AU 2007224634

Canada CA 2725214, CA 2579444, CA 2645939

International Patent Application WO 2006027272

South Africa ZA 200808702

Mexico MX 2008011712

Korea KR 20080113235

Japan JP 2009529649

Brazil BR P10708894-9

India IN 4122/KOLNP/2008

New Zealand NZ 571900

Glen Dimplex Australia

Unit 1, 21 Lionel Road,

Scoresby VIC 3179 Australia
 Ph: 1300 556 816
 Fax: 1800 058 900
 Email: sales@glendimplex.com.au
 Web: www.dimplex.com.au

Glen Dimplex Australasia Ltd
 38 Harris Road
 East Tamaki, Auckland
 New Zealand
 Ph: 09 274 8265
 Fax: 09 274 8472
 Email: sales@glendimplex.co.nz
 Web: www.dimplex.co.nz



Troubleshooting		
Symptom	Cause	Corrective Action
The flame effect will not start.	Mains plug is not plugged in. Low water level. Low voltage connector not connected properly. (Fig.5) The Transducer Unit is not sitting correctly in the sump	Check plug is connected to wall socket correctly. Check that the water tank is full and there is water in the sump. Check that the connector is inserted correctly. (Fig.5) Ensure the Transducer is sitting down into the moulded recess in the sump
The flame effect is too low.	Flame effect control knob is set too low. (Fig.10) The Metal Disc in the transducer might be dirty (Fig.14) The wire from the Transducer Unit is sitting over the metal disc	Increase level of flame by turning Control knob 'D' to the left slowly. (Fig.10) Clean the Metal Disc with soft brush supplied. (Fig.14) See 'Maintenance.' for a step by step procedure. Direct the wire to the back of the sump and make sure it sits into the side slot exiting the sump.
Unpleasant smell when unit is used.	Dirty or stale water. Using unfiltered tap water.	Clean the unit as described under maintenance. Use only filtered tap water.
The flame effect has too much smoke.	Flame effect setting is too high.	Turn the flame effect Control knob 'D' to the right, about ¼ a turn, at a time. Give the flame generator some time to adjust to the new setting. (Fig.10)
Main lamps are not working and there are no flames or smoke.	There is no water in the water tank	Follow instructions under Maintenance , 'Filling the water tank'. Check the plug is connected to the wall socket correctly and that Switch 'A' Fig. 10 is in the 'ON' (I) position.

Glen Dimplex Australia Pty Ltd
1340 Ferntree Gully Road,
Scoresby,
Victoria 3179,
Australia
PH: 1300 556 816
Fax: 1800 058 900
Email: sales@glendimplex.com.au
Web: www.dimplex.com.au

Glen Dimplex New Zealand Ltd
38 Harris Road,
East Tamaki, Auckland 2013,
New Zealand
PH: 09 274 8265
Fax: 09 274 8472
Email: sales@glendimplex.co.nz
Web: www.dimplex.co.nz

This product is protected by Intellectual property rights and patents owned by Glen Dimplex Australia Pty Ltd or members of the Glen Dimplex Group on an international basis. The Glen Dimplex Group of Companies will actively protect these rights.

© GDC Group Ltd,
All rights reserved. Material contained in this publication may not be reproduced in whole or in part, without prior permission in writing of Dimplex.