



Instruction manual for

Carlton Professional Vapouriser Model CC 335/P

Applicable directives for this equipment

The Equipment – Carlton Professional Vapouriser Model CC 335/P

complies with the following Directives :

LOW VOLTAGE DIRECTIVES

73/23/EEC and 93/68/EEC

ELECTROMAGNETIC COMPATIBILITY DIRECTIVES

89/336/EEC and 92/31/EEC

This equipment has the  mark

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Information about this manual

The information in this manual may be modified without prior notice. Carlton Professional does not give any guarantee regarding this publication and shall not accept any responsibility for any errors in this document, or for any incidental damage, or those due to the provision of, performance or use of this manual. Any corrections will be included in the new editions of the publication.

This document contains information regarding installation and correct use of the Vapouriser Model CC335/P. **It is an indispensable guide for the user and must therefore be read carefully before setting up the equipment. It should be kept readily available during use, for immediate consultation if needed.**

Even partial non-compliance with the instructions and recommendations contained in this manual may give rise to incorrect operation of the equipment, and damage to it, or possible harm to the user. This would also invalidate the Guarantee.

Only strict observation of the manufacturer's instructions and recommendations can provide the certainty of working in complete safety, and of obtaining top performance from the equipment, in terms of quality and duration and, should it be necessary, to take advantage of a rapid and efficient technical service.

Terms and symbols used in the manual

- **Bold writing is used to highlight particularly important sections.**

- The  symbol is used in the drawings to highlight parts and details to which particular attention must be paid, because of their importance with regard to safety or correct use of the Vapouriser.

- The caution messages with borders around them highlight operations which, when not carried out, may cause damage to the equipment and/or accessories.

CAUTION

- The shaded warning messages, with borders around them, highlight operations or precautions which, if not followed, can cause serious physical injuries to clients or to the operator:

WARNING

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Chapter 1 : Introduction

The equipment consists of a boiler made of plated cast aluminium, and is fitted with an electromagnetic level sensor to detect insufficient water and to stop operation. It is also fitted with a secondary, manually-resettable thermal cut-out which ensures further protection against excessive temperatures.

To add essential oils to the steam, a stainless steel basket has been placed in the boiler filling cap where the desired oils or essences can be placed. The filling cap has a bayonet locking mechanism, and a safety valve to protect the boiler against excessive pressure.

The flexible arm has a nozzle at its end where the steam is produced, and an ionizing lamp. The arm can be bent to allow the jet of steam to be directed as desired.

The control panel includes the switches for turning the steam and ozone on, the water level indicator and the red and green warning lights to signal lack of/presence of water in the boiler.

There is a drain plug on the bottom of the equipment to facilitate water draining during routine boiler maintenance.

Model CC 335/P Vapouriser is also equipped with a stand which allows the equipment to be positioned, and moved easily after use.

From the safety viewpoint, special attention has been paid in constructing this equipment to ensure it complies with the relevant European Directives.

All Carlton Professional equipment is subjected to testing on completion of the production cycle. This testing includes an insulation voltage test, an insulation resistance test between the live parts and the protective earth, and a protective earth circuit continuity test.

Chapter 2 : Installation

2.1 Unpacking

Open the box and take the equipment out. Free the equipment from the protective packing material and the polythene bag. **It is advisable to keep the original packing material in case the equipment has to be returned.**

If anything should be found to be missing, please contact your supplier immediately.

2.2 Environmental and power supply requirements

For Model CC 335 Vapouriser, the work surface used must be smooth, flat and solid; for Model CC 335/P Vapouriser, the floor must be smooth and flat.

The following ambient characteristics are suitable for installation of this equipment :

- ambient temperature: 15°C to 40°C;
- relative humidity : 20% to 90% RH;
- avoid direct exposure to sunlight;
- avoid installation in dusty places;
- do not obstruct air circulation through the openings on the bottom of the equipment.

Make sure that the power supply network has a voltage compatible with the rated voltage of the equipment as well as all the legal requirements, in particular with regard to the earthing system and the residual current circuit-breaker, if fitted.

CAUTION

Do not use the equipment near baths, sinks or other holders containing liquids or in places where it might get wet externally or internally.

2.3 Installation of the Vapouriser on the stand (Model CC 335/P)

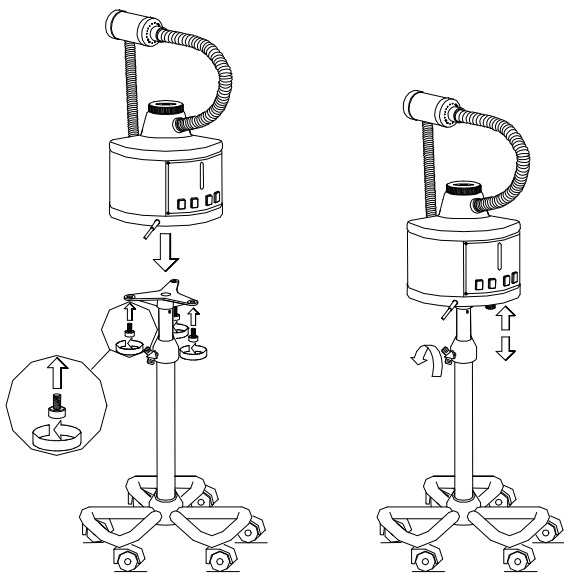


Figure 1 : Assembly of the equipment onto the stand, and stand height adjustment

Fix the Vapouriser to the special stand using the three screws as shown in Figure 1. The Vapouriser can be adjusted in height by loosening the screw as shown in Figure 1.

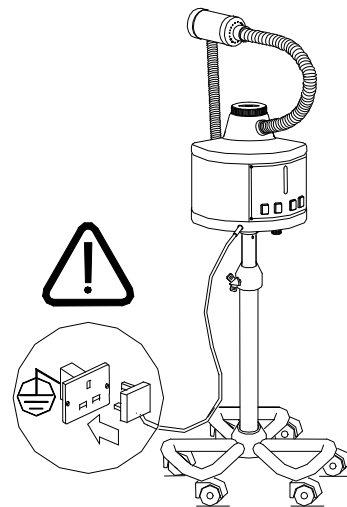


Figure 2 : connection of the Vapouriser to the power supply mains

2.4 Connection of the power supply cable

The power supply cable of the equipment can now be connected.

WARNING

For your safety, the power supply cable is fitted with an earthed and fused connection plug. Only use earthed and protected current sockets (see Figure 2). Should it be necessary to use an extension cable, check that it has the protective earthing conductor and that this is sound. The cable of this extension should not be coiled up, and should be of at least 1.25 mm² cross-sectional area. If you are in any doubt, consult a qualified electrician.

WARNING

Should the power supply cable of this equipment be damaged, contact your supplier, or Carlton Professional.

Chapter 3 : Description of the equipment

3.1 Control panel

With reference to Figure 3 :

- (1) ON/OFF switch (Switch down = ON, switch up = OFF);
- (2) Red light : lack of water;
- (3) Green light : sufficient water level;
- (4) Switch for ionization of steam
(Switch down = ON, switch up = OFF);
- (5) Visual water level indicator.

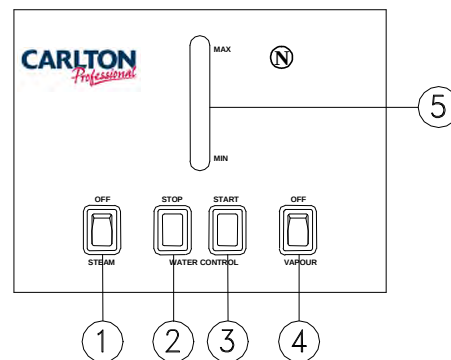


Figure 3 : control panel

3.2 Accessories available on request (only for Model CC 335/P)

The accessories available are the round drain plug (Figure 4)

The former is used to facilitate boiler emptying and/or for taking hot water directly from the boiler, while the latter is used to make moving the Vapouriser easier and to avoid touching any hot parts accidentally.

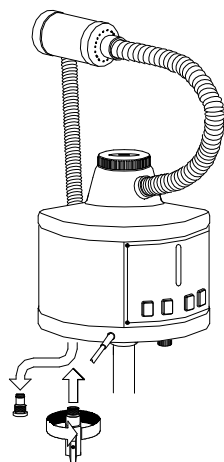


Figure 4 : Round drain plug for emptying out water

ATTENTION

Only original accessories ensure safe and reliable use of the equipment. Should these be needed, ask for original accessories only.

3.3 Fuseholders and boiler drain plug

There are two fuseholders on the bottom of the Vapouriser (Figure 6 item 3). Should a fuse blow, it is possible to replace it with fuses in accordance with the details given in Chapter 7 on page 8 of this manual. This situation is, in any case, due to an abnormal event and you are strongly advised to contact an authorised agent to identify and eliminate the problem.

The round drain plug is also on the bottom of the Vapouriser (Figure 6 item 1), which is used to empty the boiler for routine maintenance (see Chapter 5.2 page 7).

With reference to Figure 6 :

- (1) Drain plug;
- (2) Technical data plate;
- (3) Fuseholders.

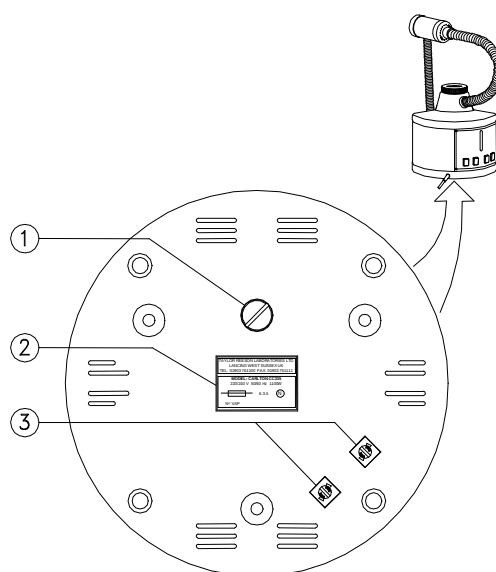


Figure 6 : bottom of Vapouriser

Chapter 4 : Instructions for use

4.1 Filling the boiler and use of essential oils

After connecting the Vapouriser to the mains socket, press the ON switch (Figure 3 item 1), remove the filler cap by turning it 90° anticlockwise (see Figure 7 A and the indications on the cap). Put a cotton wool ball with 2 or 3 drops of essence or oil into the basket (Figure 7 B)

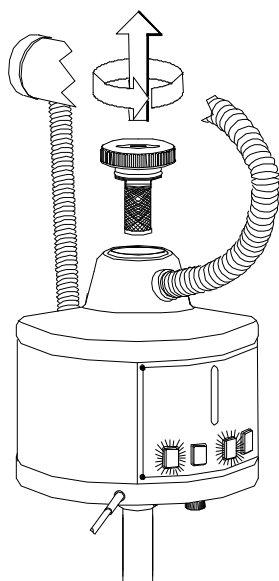


Figure 7 A

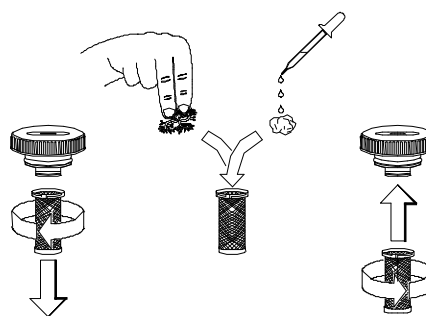


Figure 7 B

Pour demineralised or distilled water into the boiler vessel, watching the level carefully (see Figure 8 A) to avoid exceeding the limit. It is advisable to keep the water level at about half-full as shown in Figure 8 B.

The boiler has a capacity of 2.5 litres, therefore the average recommended level is obtained by pouring in one litre of water. While carrying out this operation, note that the red light is off and the green light is on, which means that water heating has begun.

Close the filling cap again by turning it 90° clockwise (see Figure 8 C and the indications on the cap).

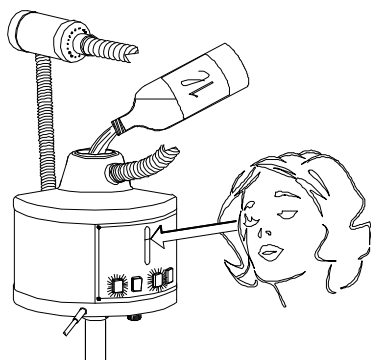


Figure 8 A

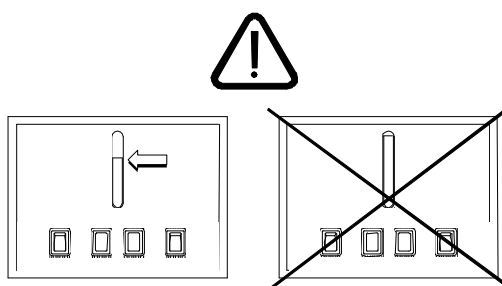


Figure 8 B

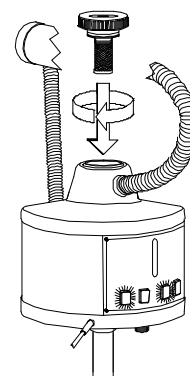


Figure 8 C

4.2 Vaporization and use of ozone

Once the water boiling temperature has been reached (only a few minutes after heating starts), steam is emitted automatically as shown in Figure 9 A. If ionization of the steam is required, press the ozone button (Figure 3 item 4); the ionizing lamp will light up and the steam will immediately take on a more visually intense white colour (see Figure 9 B). Start the treatment.

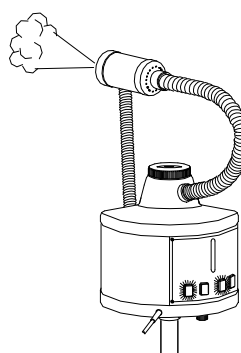


Figure 9 A

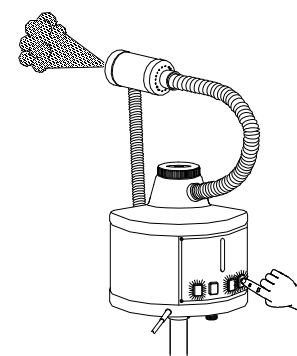


Figure 9 B

WARNING

In all cases avoid hitting or moving the Vapouriser during steam emission.

The jet of steam can be directed by bending the arm as shown in Figure 10.

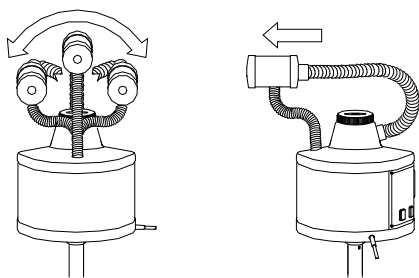


Figure 10 : directing the jet of steam

WARNING

DO NOT OPEN THE BOILER FILLER CAP DURING STEAM EMISSION.
Should this be necessary, turn the Vapouriser off first using the ON/OFF button (Figure 3 item 1) and wait a few minutes before opening.

WARNING

DO NOT POUR OILY LIQUIDS INTO THE BOILER.
The Vapouriser would emit steam AND boiling water causing scalds to the client or operator.

WARNING

AVOID POSITIONING THE STEAM EMISSION HEAD AT TOO GREAT AN ANGLE DOWNWARDS.

Incorrect positions do not allow any condensation to return into the boiler causing drops or jets of boiling water to come out. These cause scalds to the client or operator (Figure 11).

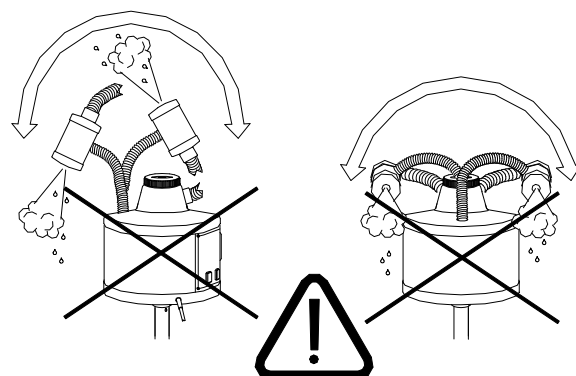


Figure 11 : incorrect positions of the head

Chapter 5 : Cleaning and maintenance

5.1 Cleaning

When it has been used, it is advisable to clean the essential oil basket after every treatment.

If it is necessary to clean the outside casing, a soft cloth soaked in denatured alcohol should be used.

WARNING

Before carrying out any cleaning operation, make sure that the power supply cable of the equipment has been disconnected at the mains (see Figure 12).

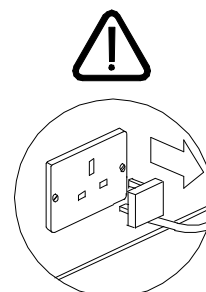
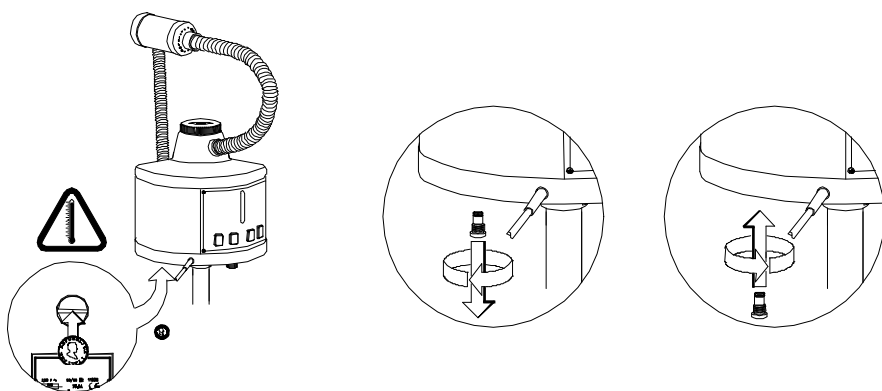


Figure 12

5.2 Routine maintenance

Periodically clean the boiler with products which dissolve any limescale and essential oil residues. (See Appendix A Page 9) Rinse carefully to ensure that the boiler is completely clear of any sediment.

To facilitate emptying the boiler and elimination of residues, the drain plug on the bottom of the Vapouriser can be used. This can be unscrewed and screwed up again using a coin (see Figure 13)



WARNING

Before carrying out the boiler emptying operation, it is important to disconnect the Vapouriser from the mains and to let it cool down, making sure that the water temperature is not too high, to avoid any scalds and/or burns.

Figure 13 : Emptying the boiler

5.3 Special maintenance

The equipment has been designed and constructed with the utmost of care and attention, using advanced technological solutions and top quality components to ensure continuous, reliable and safe operation. Should an operating problem arise, however, it is advisable to consult Chapter 6 on page 8 of this manual before contacting your supplier or Carlton Professional.

WARNING

Only technical personnel authorised by Carlton Professional are allowed access to internal parts of the equipment. For repairs and further information, it is necessary to contact Carlton Professional or its authorised agent.

DO NOT ATTEMPT TO OPEN THE EQUIPMENT. THERE ARE DANGEROUS VOLTAGES PRESENT INSIDE

Chapter 6 : Troubleshooting

Problem	Possible cause	Remedy
The switch warning light does not turn on and the equipment does not work.	- Problem with the mains power supply - Mains plug inserted incorrectly in the supply socket - Missing fuse/s - Fuse/s blown - Switch is off	Check there is power in the mains socket by connecting a different piece of equipment and check that the system protection devices have not intervened. Should any anomalies be found in the mains, contact a qualified electrician. Insert the plug correctly. Put the fuses supplied back in Contact an authorised agent Put the switch on
The switch warning light comes on, and the green signal comes on but no steam is produced.	- The water is still cold - Fault in the heating circuit	Wait for the water to reach boiling temperature Contact an authorised agent
The switch warning light comes on, but the green signal does not come on and the red signal stays lit even though there is water in the boiler.	- Insufficient water level - Faulty floating of the level sensor - Intervention of the thermostat following a previous fault	Add water Contact the Carlton Professional Service Centre Contact the Carlton Professional Service Centre to find the fault and reset the thermostat
The equipment operates normally but does not ozonize the steam	- Fault in the ozonization circuit of lamp	Contact the Carlton Professional Service Centre
Difficulty in opening the boiler filling cap	- No lubrication on the sliding surface of the cap gasket	Lubricate the red silicone sealing gasket on the boiler filling cap with vaseline
The Vapouriser sprays water as well as steam	- Deposits of limescale or residues of essences in the boiler	Clean the boiler, following the instruction in Chapter 5.2 on page 7
The Vapouriser leaks water from the bottom	- One of the boiler seals is worn	Contact the Carlton Professional Service Centre

Chapter 7 : Technical data

Physical characteristics:

Diameter : 290mm;	Only for Model CC 335/P
Height : 580mm;	Stand minimum and maximum height : 680÷1000mm
Vapouriser weight: 5.5kg;	Stand weight : 4.5kg
External casing : shockproof and scratchproof nylon, plasticised steel	

Nameplate data

Type of construction: Class I equipment;
Degree of protection with regard to humidity: normal equipment;
Rated voltage : 230V ~;
Rated power : 1100W;
Rated frequency : 50/60Hz.

Characteristics of the fuses

Dimensions : 5×20mm;
Rated current : 6.3A;
Further specifications: Fuses of type F.

Appendix A :

DESCALING INSTRUCTIONS

Remove the Vapouriser from its pedestal base (if fitted), by removing the three black feet.

Fill the Vapouriser to the maximum water level and set to steam in the normal manner.

When the Vapouriser is producing steam, switch off and unplug from the mains wall socket. Allow the unit to cool for five minutes.

Remove the Vapouriser filler cap, taking care not to scald fingers with the escaping steam.

Add about two tablespoons of bicarbonate soda.

It is very important that this is added a small quantity at a time. Failure to do this will result in water escaping from the boiler and entering the electrical connections, causing serious damage.

Leave the Vapouriser undisturbed for at least one hour, with the filler cap off, then empty the water into a sink.

The boiler must now be thoroughly rinsed, to remove all traces of bicarbonate of soda.

To do this, first of all unscrew the drain plug (located underneath the base of the Vapouriser) with a large screwdriver or coin. Some sediment may be seen in the channel to the drain hole - this can be cleared with the help of a small screwdriver or similar. Position the Vapouriser above a sink, pour fresh tap water into the boiler, and ensure that it then runs out freely through the drain hole. If it does not, the channel must be cleared of sediment as above.

Fill the Vapouriser to the maximum mark and allow the boiler to empty. Do this at least three more times.

When the boiler has been satisfactorily rinsed, refit the drain plug, fill the Vapouriser in the normal way, and check that it is working correctly.

Descaling should be carried out approximately every 6 - 8 weeks, although this depends on frequency of use and type of water used.

OZONE EXPOSURE LEVELS FOR CC335 VAPOURISER

Quantity of ozone produced is as follows. (Measured by Drager 21/23 equipment):

At 5 cm distance from steamer head	-	0.3 ppm
At 20 cm distance from steamer head	-	0.2 ppm
At 30 cm distance from steamer head	-	0.1 ppm
At 40 cm distance from steamer head	-	0.1 ppm
At 45 cm distance from steamer head	-	0.08 ppm

Using a mean figure 0.1 ppm which is the quantity of ozone produced at 30cm (12in) distance from the steamer head, exposure level can be calculated in accordance with the Health and Safety Executive Guidance Notes EH 40/87 (March 1987).

This states a recommended maximum exposure level of 0.1 ppm, calculated as an eight hour Time Weighted Average.

Thus, if the Vapouriser is in use for a total of one hour per day, the ozone exposure level is only 0.0125 ppm.

Additional times are:

VAPOURISER IN USE FOR	EXPOSURE LEVEL (PPM)
2 Hours -----	0.0250
3 Hours -----	0.0375
4 Hours -----	0.0500
5 Hours -----	0.0750
6 Hours -----	0.0875
7 Hours -----	0.0875
8 Hours -----	0.1000

Generic Hints & Tips on Vapourising

Benefits

- Cleansing
- Increases circulation improving skin texture
- Relaxes muscle and skin tissues
- Aids removal of comedones
- Stimulates sebaceous glands therefore moisturising
- Good pre treatment, preparing tissues for other treatments
- Aromatic oils and other infusions may be used for various effects

Preparation of vapouriser

- Only use de-mineralised or purified water
- Check water level and switch on machine 5-10 minutes before use
- Check height of vapouriser for optimum performance (adjust back rest of couch if unit is not adjustable)

Position of vapouriser

- NEVER directly over the client's face or body
- A minimum of 18-24 inches from the client
- Whether the steam arm is flexible, rigid or rotational aperture of steam should NEVER be directed downwards or tilted forward (as this can lead to spitting or dripping!)

Maintenance of vapouriser

- NEVER put aromatherapy oils in the vapouriser kettle or jar
- Always check water level before use
- Regularly descale or clean out water jar to avoid any 'scaling up' of the element

Always empty kettle or jar when it is not going to be in use for a period of time.

Vapourisers are an essential part of a good facial and with care and attention they will give good service.