INSTRUCTION MANUAL

IMPORTANT: Read all parts of the instruction manual carefully. Familiarity with the information and instructions this publication contains is essential for proper, safe use of the device.
Keep the manual even after initial installation, since it contains important safety information.

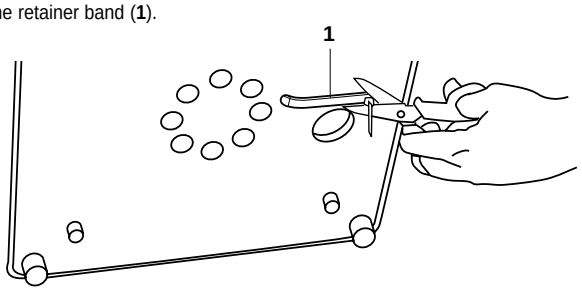
1 INSTALLING THE DEVICE

• Unpacking

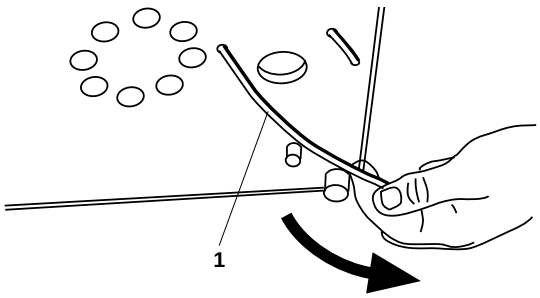
Open the cardboard box, remove the device from the packaging and place it on the floor.
Remove all the accessories supplied as standard from the packaging.

• Removing the safety band

On delivery, the aerator of the Water Column is secured to the base by means of a retainer band, which prevents it from slipping in transit. To remove this band, proceed as follows:
• Place the Water Column horizontally on the floor.
• Cut the retainer band (**1**).



• Remove the band (**1**) from the base of the cylinder.



• Cylinder cleaning

If the cylinder is dusty, clean it with water and neutral soap only, and dry with a soft, non-abrasive cloth.

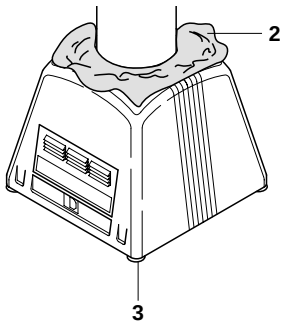
Caution: *Use an absorbent cloth (**2**) to protect the gap where the cylinder connects to the base, to ensure water cannot get in and damage the electric parts.*

• Fitting the lamp

Refer to the instructions for changing the lamp provided in section 3 MAINTENANCE.

• Installing the device

The unit must be mounted on the floor or on a stable structure able to support the total weight of the cylinder when filled with water. Rest the unit on the special shock-resistent rubber pads (**3**).



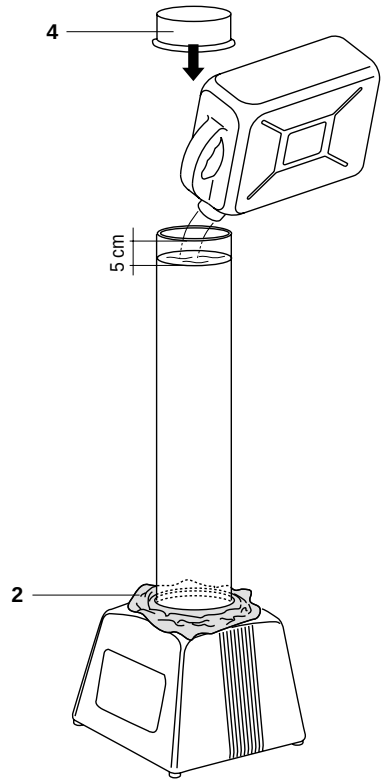
F ***The device may be installed on normally inflammable surfaces.***

CAUTION:*For better, more reliable operation, the ambient temperature must not exceed 35°C (95°F). Degree of protection IP 20: the device is protected against penetration of dirt particles having diameter over 12 mm (0,5") (first figure 2), but it must be protected against drips, rain, splashes and water jets (second figure 0).*

2 POWER SUPPLY AND ADJUSTMENT

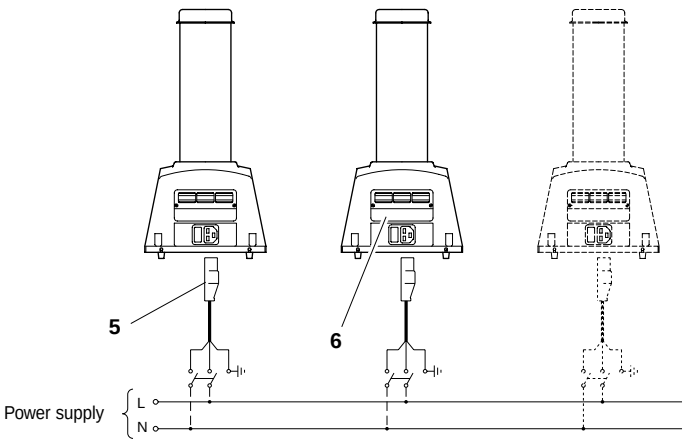
• Filling the cylinder

An absorbent cloth (**2**) should be placed at the base of the cylinder before filling starts.
Once the Water Column has been positioned as required, fill it to 5 cm below the top rim using distilled water (capacity about 30 litres) to minimise the formation of scale deposits.
When filling, take care not to allow water to flow along the outside of the hose, or into the opening in the base.
After filling, remove the protective soft cloth and close the top of the cylinder by fitting the cap provided (**4**).



• Connecting to the mains power supply

The operations described in this section must be carried out by a qualified installation electrician.
The device must be connected to the electricity supply system by means of the connector (**5**) provided.
Each device should be connected by means of a switch of its own, so that it can be switched on and off separately from a distance.



The device is pre-set to operate at the power supply voltage and frequency indicated on the nameplate (**6**). Check that these values are the same as the mains voltage and frequency of the electricity supply system.

IMPORTANT: the connection must be made to a power supply system having an effective earth connection (Class I device).

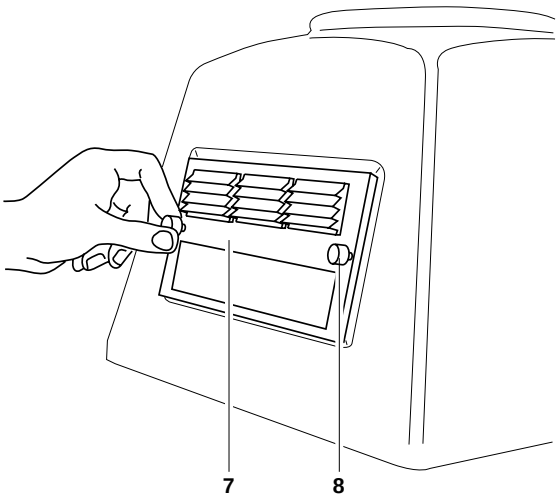
After all the operations described above have been carried out, supply power to the device and check that the lamp lights up, and that bubble production and the rotation of the colour disc begin.

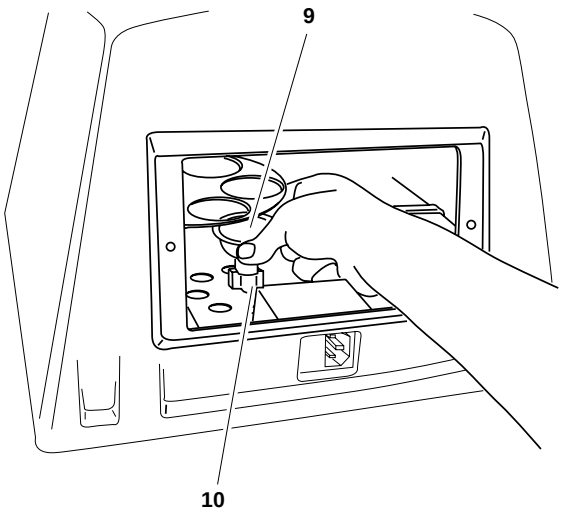
3 MAINTENANCE

IMPORTANT: *before starting any operation on the device, disconnect the mains power supply.*
The maximum temperature of the device's outside surface when at full operating temperature is 60°C (140°F). .
*After switching off, do not remove any part of the device for 5 minutes, after which there is virtually no risk that the lamp will explode. If the lamp has to be replaced, wait a further 10 minutes to avoid burns. The device is designed so that any pieces of broken glass produced if the lamp explodes will be retained; to ensure this, the lid (**7**) giving access to the lamp compartment must be closed when the device is in operation.*

• Changing the lamp

Undo the wing-nuts (**8**) and open the lid (**7**) giving access to the lamp compartment. Remove the faulty lamp (**9**) from the socket (**10**), then take the new lamp from its pack. Read the "instructions for use" provided by the lamp manufacturer carefully, and fit it into the socket (**10**), checking that the tabs are properly positioned. Replace the lid (**7**) and tighten the wing-nuts (**8**).

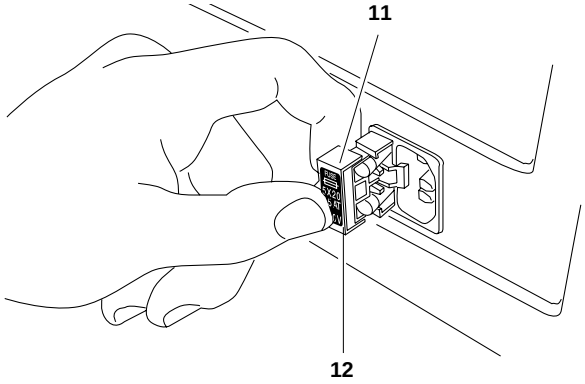




CAUTION:
Replace the lamp immediately if it is damaged or deformed by the heat.

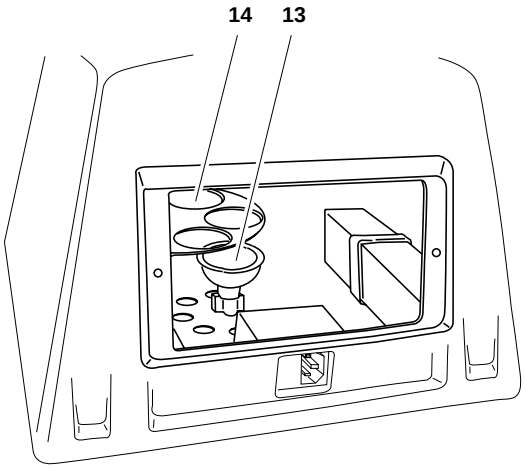
• Changing the fuses

Extract the fuse-box (**11**), taking hold of it by the side tangs. Replace the blown fuses with new fuses of the type stated on the label (**12**) on the fuse-box (**11**) and put the box back in place.



• Routine cleaning

To maintain optimum performance and efficiency over the long-term, the parts where dust and grease accumulate must be cleaned periodically. To remove dirt from the protective glass (**13**) of the lamp and colour filters (**14**), use a soft cloth dipped in any window-cleaning liquid.



The inside surface of the cylinder should be cleaned every year, emptying out the water it contains.

Clean the outside and inside of the cylinder using water with neutral soap only. Dry with a soft (non abrasive) cloth.

4 TROUBLESHOOTING

THE LAMP DOES NOT COME ON	NO OR TOO FEW BUBBLES	COLOUR DISC DOES NOT TURN	LIGHT TOO DIM	***POSSIBLE CAUSES***	***CHECKSAND REMEDIES***
●				Lamp burnt out.	Replace the lamp.
●				No mains power supply.	Check that the power supply connector is receiving power, and/or that the fuses have not blown.
●				Transformer has failed.	Contact an authorised technician.
	●			Compressor has failed.	Contact an authorised technician.
	●			Porous element dirty.	Contact an authorised technician..
		●		Motor has failed.	Contact an authorised technician.
			●	Dust or grease deposits.	Clean (see instructions).

5 TECHNICAL DATA

ELECTRICAL MECHANICAL SPECIFICATIONS

Power supply

- 100-120V 60Hz
- 200-240V 50Hz

Lamp

Halogen dichroic lamp.

- Voltage: 12V
- Power: 65W
- Nominal lifetime: 4,000 hours
- Colour temperature: 3,100 K
- Fitting: GU5,3

Colour disc

Continuously rotating colour disc 1 rev/min, 8 colours: red, blue, orange, violet, green, pink, yellow and white. The colour filters on the wheel can easily be replaced with other filters in polycarbonate or dichroic glass

Bubbles

- Bubble generation cycle (interval between bursts): 3 seconds.
- Duration of burst: 4.5 seconds.

Maximum power absorption

110VA

Safety devices

- 2 line fuses.
- Degree of protection IP20
- Conforms to EC directives

CONSTRUCTION FEATURES

Body

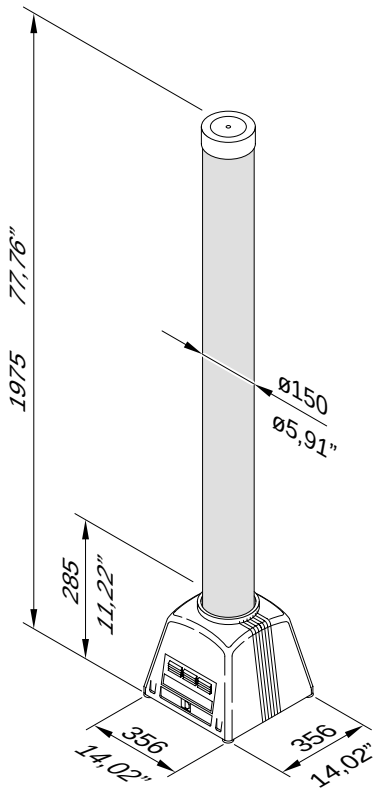
- ABS base.
- Clear plastic (PMMA) cylinder.

Operating position

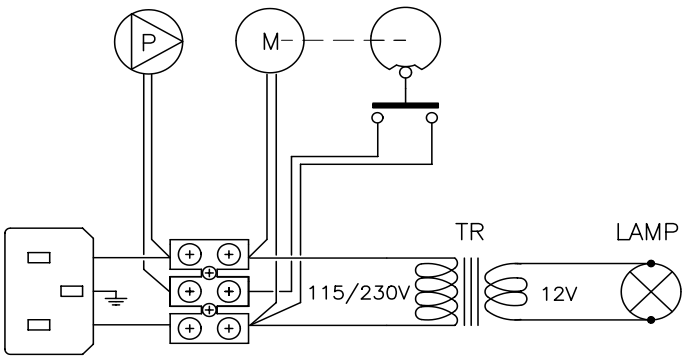
Operates in vertical position.

Weight, capacity and dimensions

- Weight: 12 Kg (empty).
- Capacity: about 30 litres



6 WIRING DIAGRAM



CLAY PAKY S.p.A. reserves the right to modify the characteristics described in this instruction manual at any time, without notice.

The products covered by this manual comply with the relevant European Community Directives:

- **Low Voltage 73/23**
- **Electromagnetic Compatibility 89/336**