

purity

Exclusive water kettle

COMBINED PURIFIER, FILTER AND KETTLE

PURITY PO210 - 1.2 Litre

GREEN NOTE:

Please do not boil more water than required, for rapid boiling,
and to save energy cost!

User Instructions



Important safeguards

- Please read through these instructions before using this appliance and keep this instruction manual in a safe place.
- This appliance is intended for household use only.
- Ensure that the connect voltage is the same as on the rating plate.
- To prevent electric shock, fire or personal injury do not immerse kettle, power base, power cord or plug into water or other liquid.
- **Warning: The lid must be closed before boiling water.**
- **Warning: Do not open the lid while the water is boiling.**
- Do not use the appliance if it is damaged or malfunctioning in any manner. Return to the dealer's Customer Service for examination and repair.
- If the power cord is damaged it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid hazards. Do not operate the appliance with a severed or damaged cord or plug.
- If the appliance is overfilled, boiling water may splash out.
- Unplug the appliance when not in use, before cleaning or in the event of a fault.
- The appliance is hot when in use. To avoid burns or scalds, do not let bare skin touch hot surfaces. Always hold handle while moving, filling or lifting the appliance. Pouring water slowly and carefully.
- **Keep the appliance out of reach of children.** Close attention is necessary when the appliance is used near children.
- Do not place the appliance or cord on a hot surface, stove or toaster.
- **Do not place the appliance on a metal surface or tray.**
- Do not let the cord hang over the edge of a table, or run across an open space.
- Do not pull the cord across a sharp edge or use the cord to carry the appliance.
- Do not locate the appliance near the sink or a table edge where the appliance may risk falling and causing a hazard.
- **Always fill to at least the MIN level.**
- **Do not fill an empty appliance whilst it is still hot as this may cause scalding.**
- Close the lid securely before switching on the appliance and do not open the lid while boiling as it will interrupt the auto switch off function and cause scalding by steam.
- The appliance should be used on a firm, flat and level surface.

- **Do not fill the kettle over the MAX level** as boiling water will spurt out of the spout and around the lid, causing scalding.
- Use the appliance to boil water only and never boil other liquids in it such as milk, coffee or soup.
- Empty the appliance after use. Do not switch on while the appliance is empty as the stainless steel bottom may be damaged or become discoloured.
- Allow the appliance to cool and empty it before removing the lime scale filter.
- Use the appliance only on the power base unit provided. Do not fill water when appliance stands on the power base unit.
- Do not use the appliance outdoors. Only connect the appliance to an earthed wall socket rated at 230 V ~50 Hz.
- Do not place the appliance near an open flame or hot object, nor in a hot oven.
- **WARNING: THIS APPLIANCE MUST BE EARTHED.**

SAVE THESE INSTRUCTIONS

Fitting a 3-pin plug


Important: The wires in the mains cord are coloured in accordance with the following code:

Green & Yellow = Earth

Blue = Neutral

Brown = Live

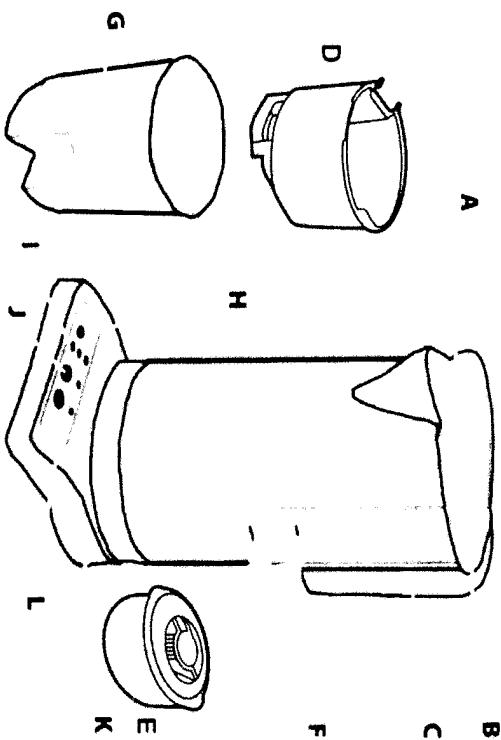
If the colours of the wires in the mains cord do not correspond with the markings identifying the terminals on the plug, proceed as follows:

- Connect the green & yellow wire to the terminal in the plug which is coloured green or green & yellow, or marked with the letter 'E' or the Earth Symbol .
- Connect the blue wire to the terminal which is marked with the letter 'N' or coloured black.
- Connect the brown wire to the terminal which is marked with the letter 'L' or coloured red.

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Parts



- A. Lime scale filter in spout
- B. Lid release
- C. Handle
- D. Filter holder
- E. Cartridge filter
- F. Maximum Fill level marking
- G. Filling jug 1 litre
- H. Filter age counter reset
- I. Filter age LED indicators
- J. Boil/Reheat button and green LED
- K. Base unit
- L. Purify button and red LED

The history of a water purifier

The idea was born back in 1995. Would it be possible to develop a Swedish kettle that could purify water and remove harmful substances and microorganisms while also boiling the water?

Our knowledge of water and its steadily deteriorating quality gave us the incentive we needed. Private wells contaminated with radon or other substances that give water a bad taste and odour are a well-known problem. Problems due to by-products of disinfection with chlorine, for example, are becoming increasingly noticeable. The smell and taste of chlorine are not harmful in themselves, but the by-products that form in the water system can be.

High standards right from the start

One of our prerequisites was that the kettle should be easy to use. It should be convenient with minimum maintenance. We imagined a product that was just as easy to use as a normal kettle, but also utilized the latest technology to give truly pure water. And despite this it should not cost a fortune.

Congratulations on a wise choice!

Tasteless, odourless, refreshing and good for your health

The results exceeded our expectations. It turned out that Purity met all our requirements – and a few more. The treatment process reduces volatile compounds. All chlorine, all radon, 99 % of trihalomethanes (by-products of chlorination), over 90 % of hydrogen sulphide and 90 % of benzene and other toxic aromatic hydrocarbons are removed. Bacteria, viruses and parasites are eliminated. (For detailed test results see www.purity.se). In other words the water was turned into pure, healthy drinking water, perfect for those who want to be sure that the quality of the water they drink is good.

If you are satisfied tell others. If you are dissatisfied, tell us. We depend on your comments in order to refine our product. If you have any questions or suggestions for improvements please contact us at info@purity.se or visit our website at www.purity.se. We would like to hear your comments. And if you are satisfied with our product please pass on the news to others.

Purity combined kettle and purifier for your health

Now you can produce water to the standard of bottled water in your own home – and be sure you are drinking safe, pure, fresh tasting water. Use just like an ordinary filter and kettle.

Lime Scale problems reduced

Purity's filter cartridge also helps remove up to 70% of calcium carbonates that can occur in our water, especially in hard water areas. Calcium is what causes the build up of lime scale and using the filter cartridge helps extend the life of your Purity Kettle.

Automatic shut-off feature

Purity switches off automatically if:

- the water has boiled and the purification cycle is complete.
- it contains no water (if accidentally switched on),
- the lid is opened,
- it is removed from the base.

Before you use Purity for the first time

Read all Important Safeguards and Operating Instructions before using this kettle. Discard the first two fillings of boiling water to remove any dust and residues from the manufacturing process.

How to use Purity

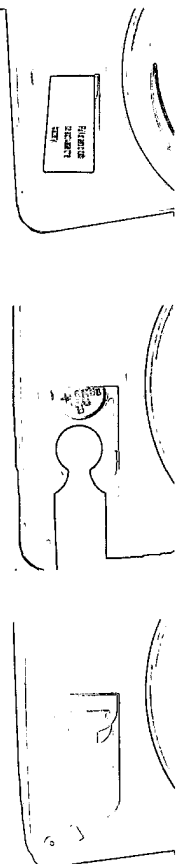
Keeping the cord tidy:

Pull the cord from the base gently to the required length. For safety it is recommended you keep the cord as short as possible. Turning the winder handle will retract the cord back into the base.

Setting into operation

Installing the battery for the first time

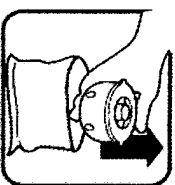
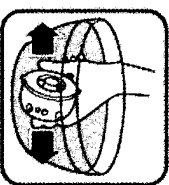
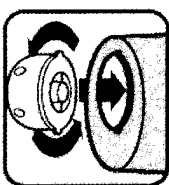
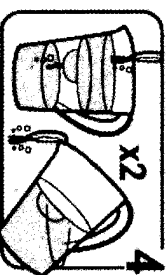
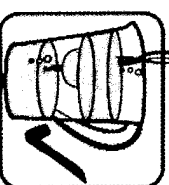
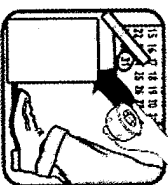
The battery compartment is located under the base unit.



1. Unplug the base unit from the mains and turn it over. Locate the paper battery protection slip.
2. Pull the slip so the battery falls into place.
3. Slide the battery holder back into place all the way
4. Replace the cover and re-tighten the screw.

To preserve battery life we recommend you remove the battery if the unit is to be stored for longer periods.

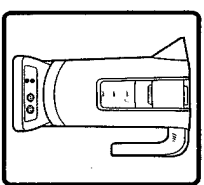
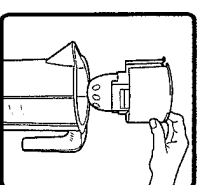
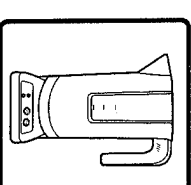
Insert the filter cartridge
CAUTION: Use only Aqua optima filter cartridges.

- 1  Remove the cartridge from all packaging. There may be a small residue of black particles (carbon) in the bag or adhering to the cartridge body, this is normal. These particles are harmless and are washed off during the preparation process.
- 2  Shake the cartridge in cold water to ensure that any trapped air bubbles are removed. Some loose carbon particles may be released during this process. This is normal and does not influence performance.
- 3  Insert the cartridge into the locking ring on the upper vessel. Press into place and rotate to ensure the lugs are correctly located and that the cartridge is not sitting at an angle.
- 4  Fill the upper vessel with cold water and allow the water to pass through the cartridge. Discard this water and repeat this process once more.
- 5  Your filter system is now ready for use.
- 6  To ensure the maximum performance of your filter system the cartridge should be changed on a regular basis. The optimum life of a Standard cartridge is 200 litres, which is approximately 8 weeks for a typical family in hard water areas

Filling Purity Combined Purifier, Filter and Kettle

NOTE: Only use Purity Combined Purifier, Filter and Kettle with approved tap water.

- 1 Prepare the Filter as above.
- 2 Insert the filter holder and filter into the appliance.
- 3 Pour water into the filter holder (D).
- 4 Wait for the water to pass through the filter.
- 5 Ensure the amount of water is more than the minimum (0.7L) and less than the maximum (1.2L) capacity on the water level gauge. You may need to repeat steps 3 and 4 to meet your desired water level.
- 6 Remove the filter and holder (D&E) from the appliance. Otherwise the lid does not fit and the process cannot start. Store (D&E) in the filling jug (G).
- 7 Replace and close the lid (B) as the appliance will not operate with the lid open.
- 8 Place the Purity Combined Purifier, Filter and Kettle on the base unit and plug the base into a standard, earthed, electrical outlet rated at 220-240V, ac, 50Hz ensuring it is placed on a firm even surface.

- 2 
- 6 
- 7 

To boil and purify:

1. Press the Purify button (L): both the red purify cycle LED and the green boil LED light.
2. As the water reaches boiling point, the green LED switches off.
3. The red LED flashes until the purifying cycle is complete.

For drinking water, pour the purified water into a clean container, cover and allow to cool.

To boil or reheat without purifying:

Press the reheat button (J): the green boil LED lights until the boil cycle is complete.

NOTE: You may also stop the water boiling at any time by pressing the either button or by lifting the unit off the base unit.

Filter age counter

The automatic counter in the base keeps track of how long the filter has been in use. When you place the filter in the device for the first time, push the Reset button (H) once to start counting. The green LED lights and after 30 days, the yellow LED comes on and after 60, the red LED lights, indicating it is time to change the filter. If the filter is in heavy use, it is advisable to change every 30 days. Press the reset button after the next filter change and the green LED will light again.

CAUTION: The counter is powered by a separate button cell battery in the base unit. While the base unit is plugged into the mains, the counter will take its current there. Whilst the unit is unplugged, the battery will last 300 hours.

Using Purify without filter holder and cartridge

You can dispense with the filter if the water does not contain metals, nitrates, organic or inorganic suspended particles or pesticide residue. Most tap water from municipal sources is only burdened by chlorine and its by-products, which are removed by vaporizing. In such a case it is not necessary to filter the water before treatment. Check with your local water supplier.

Caution: Don't overflow when using the kettle!

Using Purify without vaporizing or boiling – as a cold filter

If you are sure that your water does not contain chlorination by-products, nor any other volatile organics and it does not have an off taste or smell, you can also use the filter without boiling or vaporising. Put the filter holder and filter in the Filling Jug and just pour cold water through.

The five stages of the purifying process:

1. The fine particle filter in the cartridge helps remove elements such as rust and other residual sediments that can be found in tap water.
2. Active carbon reduces levels of herbicides and pesticides, and reduces chlorine content by up to 80%.
3. A special ion exchange resin substantially reduces levels of aluminium, copper and up to 80% of lead that can be found in your water. It also substantially reduces levels of calcium carbonate, common in hard water areas, that causes the build-up of lime scale in kitchen appliances. The resin also helps prevent the unattractive, oily film that can occur on the surface of hot drinks.
4. Before leaving the filter holder, an ultra fine mesh traps particles to give extra clarity to your filtered water.
5. Vaporizing: the heating element brings the water to boiling point. Then, smart, patented electronics keep the water just at boiling point for a number of minutes. This is a unique feature for the Purify Range, utilizing the heat in the water to vaporize organic contaminants (VOCs) without creating overboiling. During this time, bubbles of vapour form and rise to the surface, effectively ensuring the escape of the VOCs. The prolonged heat in the water kills bacteria, viruses and pathogens.

Two different levels of heater controlled by the electronics minimize energy use whilst fulfilling the vaporizing cycle, in turn controlled by the timer function.

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Getting the most from Purity

If you are unsure of the quality of the water reaching your household, we recommend you test it. Contact the water authorities or an independent testing organisation.

In many countries, warm water is considered a delicacy. Try serving warm Purity water in a thick glass.

At first, some people find water purified in Purity to have a slightly unusual taste. This goes away after a while, and can be due to the taste buds readjusting to cleaner water.

Remember, if you put water from Purity in the refrigerator to cool it down, do use a sealed container. Otherwise it will attract smells from the refrigerator contents.

Take Purity water with you when you are on the move. Transfer to a plastic serving bottle, or use Purity's sports bottle, available as an accessory.

While the base unit is plugged in, Purity will still consume current even if neither LED is lit. For best environmental performance unplug the base unit when not in use.

Descaling: Lime scale can prevent Purity from working as intended. It is very important that descaling is carried out regularly. You can easily minimise the build-up of lime scale deposits in the kettle by always emptying the kettle after each use and by descaling regularly.

NOTE: Lime scale deposits could invalidate the guarantee.

Remove lime scale with the aid of lime scale-dissolving products intended for household electrical appliances (follow the instructions on the pack carefully), or with white vinegar or citric acid.

We recommend that citric acid or white vinegar is used as follows:

1. Fill the kettle $\frac{3}{4}$ full with cold water and allow the water to boil. Immediately remove the kettle from the base and place it in an empty sink or on a worktop well out of the way of children.
2. Slowly add 50 grams of citric acid to the water, (or fill the remaining $\frac{1}{4}$ with white vinegar) Allow the lime scale to dissolve. Do not use a more concentrated solution.
3. When all the lime scale has dissolved, empty the kettle and rinse it thoroughly with cold water.
4. Wipe the outside of the kettle carefully with a damp cloth to remove any traces of lime scale that could mar the appearance of the product.
5. Make sure that the plug is completely dry before you use Purity again.

Specifications

Material: Stainless steel and polypropylene (PP)

Water capacity: Maximum 1.2 L. Minimum 0.7 L

Power: 230 V ~ 50 Hz / 2200 W

Heater: Twin element 1750W + 450W

Power cord length: Rewindable Cord: 0.7 metres for base. The kettle is cordless.

Filter: Strix Aqua Optima

Dimensions kettle body: 140 x 250 x 280mm
With base unit: WLH 160 x 264 x 312mm

Weight approx: 1.3 kg. Including filter: 1.5 kg

Design: EgnellDesign and AllardDesign

Other: Lockable lid with safety catch, thermal cut-out and lime scale filter.

Patent protection: Swedish 510 287, 518 388 and foreign equivalents.



Facts about contaminants and test results

Type of Contamination	Sources of Contaminant in Drinking Water	Potential Health Effects from Ingestion of Water	Reduction with Purity
Chlorine	Disinfectants (used to disinfect water in water pipes)	Eye/nose irritation, stomach discomfort, anaemia. Infants & young children: nervous system effects.	>99%
Trihalomethanes Chloroform Bromoform Bromodichloromethane Dibromochloromethane	Disinfection by-products.	Increased risk of cancer: Liver, kidney or central nervous system problems.	>95%
Microorganisms Cryptosporidium Giardia lamblia E.Coli	Human and animal faecal waste.	Gastrointestinal illness (e.g. diarrhoea, vomiting, cramps). (There have been deaths caused by Cryptosporidium or E.Coli bacteria in water.)	>99%
Viruses, parasites	Human and animal faecal waste.	Same as above. Can also cause nausea and associated headaches.	>99%
VOC's Volatile Organic Chemicals	Mainly herbicide runoff or discharge from chemical plants/factories.	Cancer, kidney, liver and brain damage. Damage to the nervous, reproductive and immune systems.	>85%
BTX Benzene	Discharge from factories, leaching from gas storage tanks and landfills.	Anaemia, decrease in blood platelets, increased risk of cancer.	>80%
Radon *	Natural gases, (radioactive) element found in bedrock.	Increased risk of cancer.	>99%

Many other tests have been made by certified test institutes which confirm the superior performance of Purity. You will find them on www.purity.se

Sources: EPA United States Environmental Protection Agency.

Exception: Marked with * - Swedish Radiation Protection Institute

¹ Boiling water eliminates Bacteria, Viruses and Parasites

² The average reduction of 26 tested volatile organic compounds

Tests were conducted at IFM/Dept of Chemistry at Linköping University.

The contaminants mentioned do not necessarily exist in drinking water.

Also, there are other contaminants not mentioned that may exist in drinking water, such as medicines, PVC, softening agents et cetera.

Addresses

Designed and manufactured by:

Purity

Riddargatan 16

SE 114 51 Stockholm

Sweden

www.purity.se

info@purity.se

Distribution:

Habitat Solutions BV, The Netherlands

www.purity/h2o.eu

info@habitatsolutions.eu

This appliance complies with the European Directives for electromagnetic compatibility (EMC) 2004/108/EC and its revisions, as well as Low Voltage Directive (LVD) 2006/95/EC and its revisions.

This appliance complies with the WEEE-Directive 2002/96/EC on the disposal of electrical and electronic equipment (WEEE).

Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

