



AQON
PURE



AQON PURE home

Product documentation

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Thank you very much!

Together, we want to make the handling of water, the most valuable resource, as environmentally friendly as possible.

We are Konstantin and Maximilian, the minds behind AQON PURE. Thank you for choosing AQON PURE. Water has been an important part of our lives since childhood. As water treatment specialists, we came into contact with water technology when we were very young through our parents' family company AQON Water Solutions GmbH. Together, we want to

make the handling of water, the most valuable resource, as environmentally friendly as possible. Every AQON PURE system brings us one step closer to our goal. That's because AQON PURE is an innovation that uses no salt, no electricity, no chemicals, no consumables and produces no additional wastewater. We want to thank you for this.

Installation and operating instructions

home s, home, home +

Using AQON PURE systems

AQON PURE limescale protection systems work according to the principle of seed crystal formation and are intended to be used to reduce limestone formation (calcifications) in water-distributing building installations and water-distributing devices.

AQON PURE systems are suitable for water temperatures up to 85°C.

Higher specifications are available on request.

General information (note before installation)

- Please be sure to note the flow direction according to the appliance marking (arrow direction) "→".
- Please comply with the water flow rate (minimum and maximum in litres per minute or m³ per hour). Short-term overshooting or undershooting is tolerable.
- We recommend an operating pressure in the water network of >3 bar after the pressure regulator.
- Local installation specifications must be respected.
- Installation after water volumeter, pressure regulator and filter (if present).
- The size of the limescale protection device must be chosen so that the maximum water flow is not exceeded during normal water extraction.
- The connection dimension of the device should be chosen to be at least one unit smaller than the pipe dimension in which the device is integrated (example: Pipe DN 20, recommended AQON PURE size DN 15).
- The device itself should always be as far as possible from the points at which energy is supplied or removed from the water (pipe bends, evaporation devices, flow heaters, tank heating, etc.). If solenoid valves or isolating equipment are used, these should also be as far away as possible.

Installation

- Close stopcock or stopcocks (if present).
- The water pipe should be separated according to the chosen AQON PURE system length.
- AQON PURE should be installed according to the flow direction (vertical or horizontal).
- Make sure while screwing together that there are no leaks when the pipe is put under pressure.
- We recommend installing gate valves before and after AQON PURE.
- A quantity and pressure limiting device can be installed on site before AQON PURE.

Commissioning

- Open stopcock or stopcocks.
- Check fittings for leak tightness.

Maintenance and inspection

- AQON PURE systems are generally maintenance free.
- We recommend an annual visual inspection and a check for leak tightness.
- Exception: In supply areas in which iron precipitates can occur in the installation, we also recommend that the system be flushed once a year with an acidic cleaner. Please contact AQON Water Solutions GmbH about this in the offer phase.

home s



home



home +



Technical data sheet – AQON PURE

Intended use

Reduction of limestone formation (calcifications) by means of seed crystallisation in the drinking water installations of private residential buildings. AQON PURE limescale protection systems comply with the generally acknowledged rules of technology. They are compliant with DIN EN 806, Directive (EU) 2020/2184 and § 14 of the German Drinking Water Ordinance (*Trinkwasserverordnung*). AQON PURE limescale protection systems are made exclusively from materials that meet the evaluation criteria of the German Federal Environmental Agency. Only materials which have been tested to show that they are hygienically suitable for contact with water are used.

Characteristics

- Maintenance free
- No power connection necessary
- No wastewater connection necessary
- 100% recyclable: no plastics, plasticisers or dissolving active components
- Service life: **home s** up to 10 years, **home** and **home +** up to 20 years

home s

Characteristics

- Recommended from a total water hardness of 15°dH
- Weight: 0.8 kg
- Length (incl. connections): 215 mm
- Diameter: 43 mm
- Connections: 2 pieces (1/2" with external thread)
- Designed for a nominal flow rate of up to 22 l/min
- Pressure loss at a nominal flow rate of 22 l/min: 0.2 bar
- Peak output of up to 35 litres per minute (pressure loss 0.7 bar)
- Minimum water pressure: 2.5 bar
- Maximum permitted water pressure: 10 bar

home

Characteristics

- Recommended from a total water hardness of 5°dH
- Weight: 1.8 kg
- Length (incl. connections): 400 mm
- Diameter: 64 mm
- Connections: 2 pieces (1/2" with external thread)
- Designed for a nominal flow rate of up to 27 l/min
- Pressure loss at a nominal flow rate of 27 l/min: 0.3 bar
- Peak output of up to 45 litres per minute (pressure loss 0.8 bar)
- Minimum water pressure: 2.5 bar
- Maximum permitted water pressure: 10 bar

home +

Characteristics

- Recommended from a total water hardness of 5°dH
- Weight: 2.2 kg
- Length (incl. connections): 400 mm
- Diameter: 64 mm
- Connections: 2 pieces (3/4" with external thread)
- Designed for a nominal flow rate of up to 60 l/min
- Pressure loss at nominal flow rate of 60 l/min: 0.3 bar
- Peak output of up to 75 litres per minute (pressure loss 0.8 bar)
- Minimum water pressure: 2.5 bar
- Maximum permitted water pressure: 10 bar

Rated output: Optimally suited for continuous operation. **Peak output:** Suitable for short-term use.

Installation

For installation in the existing cold water pipe after the water volumeter (water meter). The device can be installed vertically, horizontally or at any desired angle. For **home s** and **home**, the maximum dimension of the existing cold water pipe should not be greater than 1". For **home + 1.5"**.

The local installation regulations should be followed.

We recommend having the installation carried out by a specialist company.

Note

To ensure that the system works, the performance data must be complied with.

If necessary, a flow and/or pressure limiter can be integrated.

We reserve the right to make deviations and changes to the technical design.

Subject to errors, typographical errors and technical changes that do not restrict the function.

Last revised: September 2023

The AQON PURE 1-year money-back guarantee

Guarantee promise: More security for you

When buying an AQON PURE water treatment system you as a consumer will receive a 1-year money-back guarantee for AQON PURE devices up to a connection size of DN 25. A written guarantee commitment can be agreed with businesses on a case-by-case basis.

Guarantee conditions

The device can be returned without providing reasons.

The beginning of the guarantee period is the invoice date.

The AQON PURE system must have been installed for the intended purpose. The AQON PURE system must be installed within the first 45 days after the invoice date to claim the guarantee.

The installation must be documented by the installation report attached below.

The installation report, together with a photo of the installed system, must be sent to AQON by post or electronically (info@aqon-pure.com) within 30 days of the installation date.

In the case of a guarantee claim, the net purchase price paid for the AQON PURE system will be refunded. The refund amount is limited to AQON Water Solutions GmbH's valid list price at the time of purchase. In case of a guarantee claim, you must provide evidence of the paid purchase price. Evidence is

provided by presenting the proof of purchase. The costs for the installation, removal and shipping of the AQON Pure system will not be refunded. However, your legal claims based on liability for material defects (§ 434ff of the German Civil Code (BGB)) shall remain unaffected by this.

Damage to the AQON PURE system may result in a reduction or loss of the claim. Normal signs of wear on the threaded connections are not detrimental to the value.

The AQON PURE system must be returned to the guarantor in the original packaging. In the event of a guarantee claim, the system must be received at AQON within one year of the installation date. The return shipment must be organised by the customer. The customer shall bear the costs for the return shipment. The sender shall be liable for any loss or damage that occurs during the return shipment.

The reimbursement of the purchase price shall be made within four weeks of receipt of the AQON PURE system to a bank account specified by the purchaser.

Installation report for the 1-year money-back guarantee

Installation date:

Installation site:

Customer (last name, first name):

Invoice number:

Street address:

Postcode and town/city:

Country:

Installation carried out by first name and last name:

Company (if applicable):

Date and signature of the resident or owner of the building in which the AQON Pure system was installed.

Date and signature of the person who carried out the installation.

Please include a photo of your installed AQON PURE system with the installation report and send both by post (AQON Water Solutions GmbH, Rudolf-Diesel-Straße 24, 64625 Bensheim, Germany) or electronically (info@aqon-pure.com) to AQON Water Solutions GmbH.

The AQON PURE device guarantee

More security for you

Conditions for the guarantee Pure limescale protection systems are designed for installation in a drinking water installation with ordinary, pressurised drinking water according to the German Drinking Water Ordinance (TrinkwV). The guarantee applies only for the operation of the AQON PURE device under these conditions in Germany.

Guarantee type AQON Water Solutions GmbH guarantees that the AQON PURE device you purchased is free of manufacturing and material defects. The guarantee period for the respective AQON PURE device variant is as follows:

- home s: 5 years
- home: 10 years
- home +: 10 years

AQON is entitled to determine whether an exchange or a repair is to be carried out. Installation and removal costs as well as shipping are not included in the

guarantee services. These costs shall be borne by the customer. The guarantee does not cover improper handling or damage caused by mechanical or chemical influences. Guarantee services are limited to the device itself, not to the house or building installation or other devices.

Your legal warranty claims (§ 433 BGB) shall remain unaffected by this guarantee.

Beginning of the guarantee The beginning of the guarantee period is the invoice date of the purchased AQON PURE system if purchased directly from AQON Water Solutions GmbH by a consumer. If your AQON PURE system was purchased from a specialist retailer, the following installation report must be sent within four weeks of the installation of the AQON PURE system in order to be able to claim the guarantee. The guarantee period begins on the day of installation of the AQON PURE system.

The installation report together with the required attachments can be sent as a scan by email to info@aqon-pure.com or by post to: AQON Water Solutions GmbH • Rudolf-Diesel-Straße 24 • 64625 Bensheim • Germany.

Installation report for the installation in case of purchase from a specialist retailer or a third party:

Installation date: _____ Installation site: _____
 Street address: _____ Postcode and town/city: _____
 Country: _____ Installation carried out by: _____
 First and last name: _____
 Company (if applicable): _____

 Date and signature of the resident or owner of the building in which the AQON PURE system was installed.

 Date and signature of the person who carried out the installation.

A photo of your installed AQON PURE system must be enclosed with the report.

Enforcement If a guarantee claim is made, AQON Water Solutions GmbH must be notified of this immediately in writing, if applicable with enclosure of the invoice. This notification must be received within the guarantee period via email at info@aqon-pure.com or by post at: AQON Water Solutions GmbH • Rudolf-Diesel-Straße 24 • 64625 Bensheim • Germany.

AQON
PURE



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