



Instruction for Use EN

Chrome In-Line Filter



Description

The Chrome In-Line Filter of the T-safe Pro Water Filtration range is specifically designed to remove bacteria such as, but not limited to, *Legionella pneumophila* and *Pseudomonas aeruginosa* from tap water to prevent infections in commercial and public settings.

The filter is ideal for drinking water dispensers and vending machines, ice machines and supply pipework to ligature-resistant tap and shower outlets.

T-safe Chrome In-Line Filter is a complete unit equipped with two male ½” threads. The filter is supplied with a flow restrictor, which protects the filter against sudden water pressure peaks. The filter is intended to be installed as close to the outlet as possible. The further away from the outlet that the filter is installed; the greater the risk for after-filter bacteria growth is.

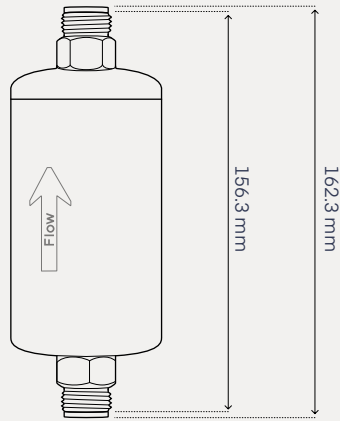
T-safe Chrome In-Line Filter will effectively retain bacteria for a maximum period of up to 92 days, within the limitations of use as described herein.

This IFU covers the following products

Item	Code
Chrome In-Line Filter	02-803236
Replacement Filter	02-000242

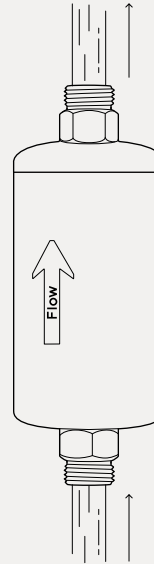
Installation

1



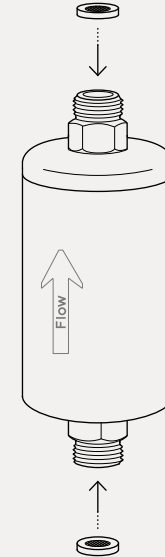
Verify that the installation distance between the inlet and outlet connections matches the filter length.

2



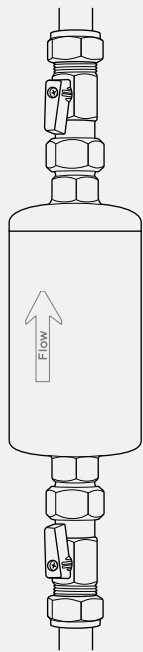
Ensure that the filter orientation corresponds to the water flow direction in the pipe.

3



Install the filter using the supplied ½" (3 mm) gaskets at both ends to ensure a tight seal.

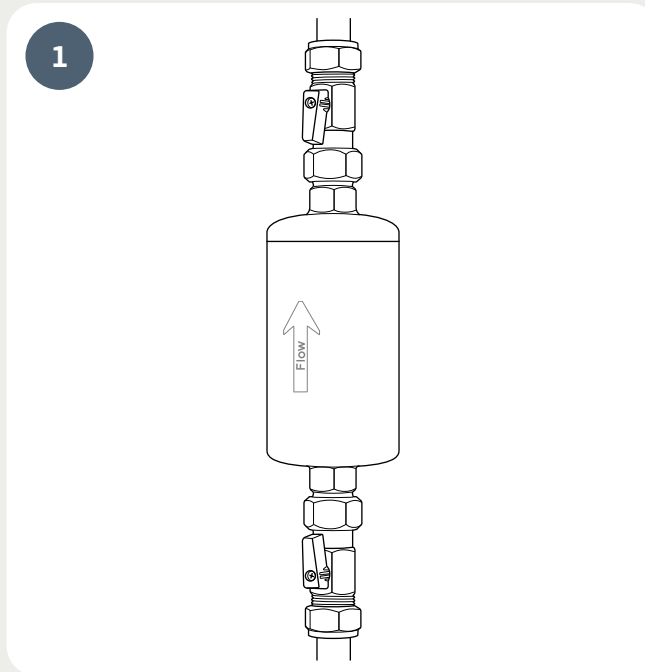
4



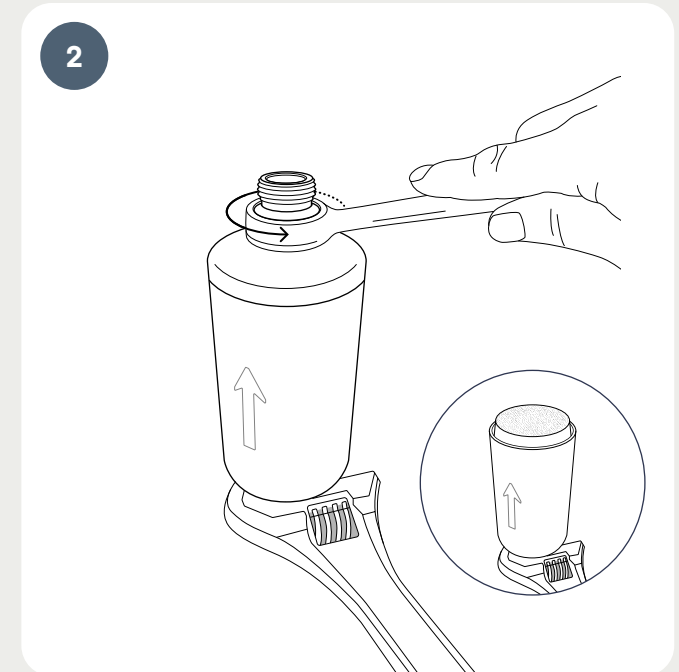
Tighten the inlet and outlet connections securely.

Installation of replacement filter

Install the product directly from the packaging and ensure that the filter does not come into contact with sources of contamination before being installed.

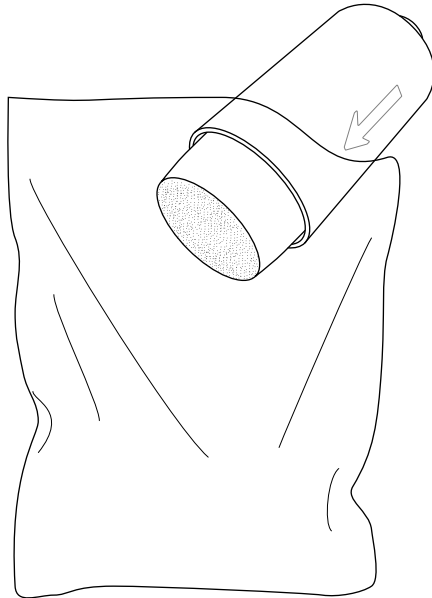


Remove the complete filter housing from installation.



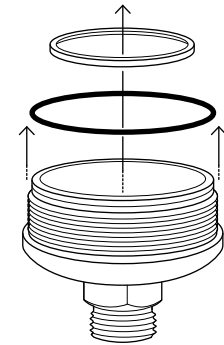
Open the filter housing. Ensure that the outlet part is facing upward, then unscrew the small outlet part. Be aware that residual water may drain from the housing when opened.

3



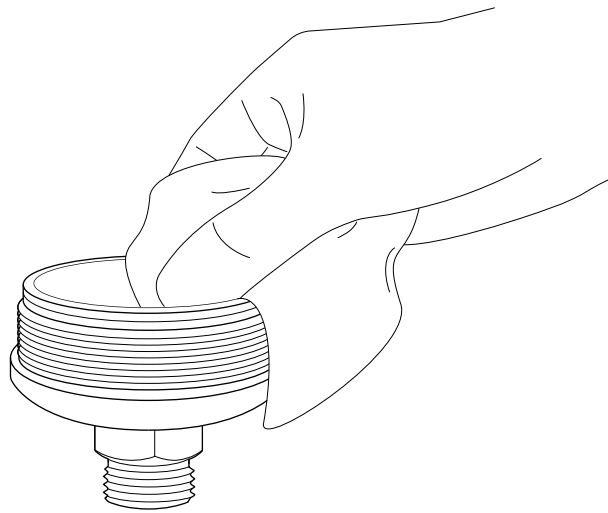
Remove the used filter cartridge. Place it directly into a disposal bag without unnecessary contact and dispose of it in accordance with local regulations.

4



Remove and dispose of the large gasket ($\varnothing 42 \times 3$ mm) and the black O-ring ($\varnothing 50 \times 2$ mm) from the small outlet part.

5

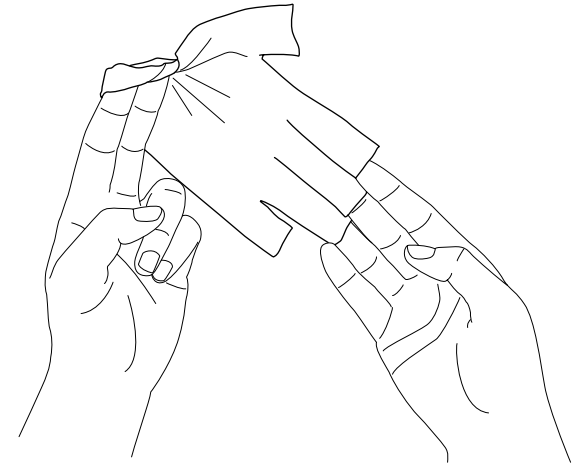


Wear appropriate protective gloves before cleaning and disinfection. Clean and disinfect the inside of the small outlet part (or both housing parts, if applicable) during every filter cartridge replacement. Ensure all organic matter and residue are completely removed. Use a lint-free, non-abrasive cloth and/or a soft brush to remove visible contamination. Disinfect using one of the following:

- A chlorine- or ethanol-based wipe (1000 ppm)
- 75–100 % ethanol spray
- An equivalent disinfectant suitable for chrome surfaces

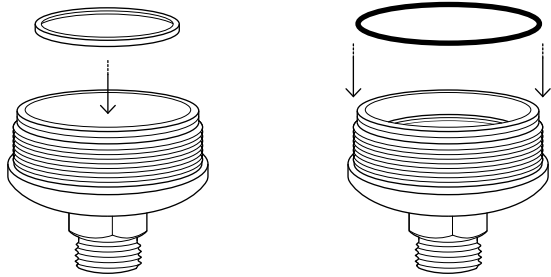
Take care not to contaminate the sealing surface between the gasket and the small outlet end. Allow components to dry completely before reassembly.

6



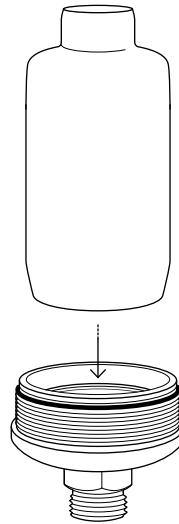
Change gloves before handling new components.

7



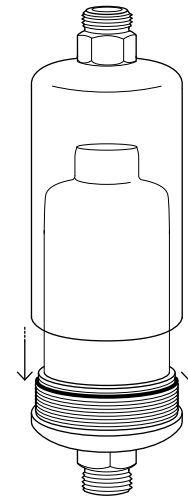
Install a new gasket ($\varnothing 42 \times 3$ mm) inside the small outlet part and a new black O-ring ($\varnothing 50 \times 2$ mm) on the outside of the small outlet part.

8



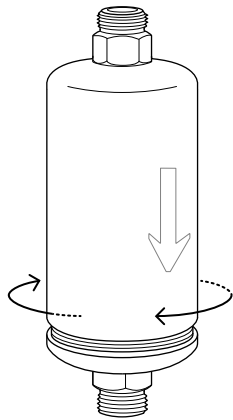
Install the new filter cartridge by mounting it into the small outlet part.

9



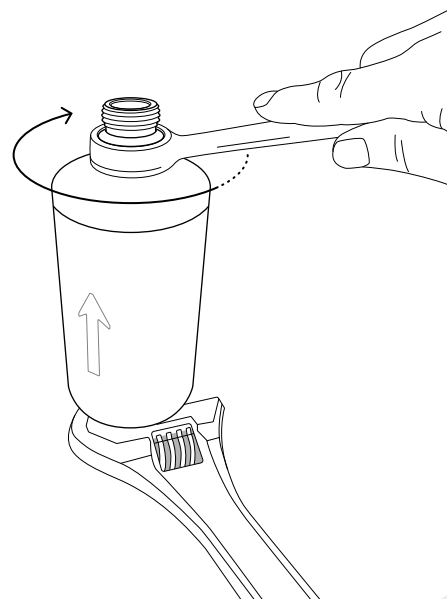
Reassemble the complete filter housing.

10



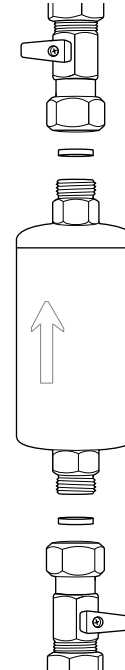
Turn the housing counterclockwise by hand to engage the threads.

11



Use spanners to securely tighten the housing.

12



Reinstall the filter using new ½" (3 mm) gaskets. Ensure that the filter is installed in the correct water flow direction.

Information

Surface cleaning and disinfection

If professional cleaning procedures are in place, the external surfaces of the filter may be cleaned using a new disposable wipe. Extra care should be taken to prevent contamination of any outlet of the filter.

T-safe water filters are compatible with common surface disinfectants and cleaning agents, except chlorine-based disinfectants due to their chrome plated surface. For cleaning and disinfection, the filter housing may be immersed in up to 500.000 ppm citric acid.

Storage – non-commissioned filter

The product must be stored at temperatures between 5 °C and 40 °C and at a humidity of max. 60 %. Expiry date: See label on the packaging or marking on the product.

Disposal

The filter cartridge and non-metallic parts can be disposed of with ordinary waste following applicable local regulations under the waste category number 180104 in accordance with EU Directive 75/442/EEC.

Tolerance to Water System Disinfectants

The T-safe water filters are compatible with common water system disinfectants. This has been validated by integrity testing the filters after exposure to the following disinfectants at the concentrations and contact time listed:

- 30 ppm chlorine dioxide combined with 200 mg/L suspended solids in continuous operation throughout the life cycle
- 30 ppm hydrogen peroxide in continuous operation throughout the life cycle
- 15 ppm free chlorine in continuous operation throughout the life cycle
- 10 ppm ozone in continuous operation throughout the life cycle
- 10 ppm chloramine in continuous operation throughout the life cycle
- 1000 ppm free chlorine through a 1-hour shock treatment
- 50 ppm Hypochlorous Acid (HOCL) through a 2-hour shock treatment
- 50 ppm Chlorine Dioxide through a 2-hour shock treatment
- 3500 ppm hydrogen peroxide through a 6-hour shock treatment
- 3000 ppm Silver Stabilised Hydrogen Peroxide through a 14-hour shock treatment
- An aqueous solution with pH 12 through a 1-hour shock treatment
- 1000 ppm peracetic acid at 60 °C through a 2-hour shock treatment

Precautions

- Do not use the filter if the package is open or damaged, or filter is visually damaged
- Do not disconnect the filter during the period of use
- Avoid mechanical impact and do not strike the filter with heavy or metallic objects, as this may damage the filter
- The outlet of the filter should not come into direct contact with skin or hair
- The filter must not be used continuously with water temperatures above 60 °C. The optimal working range is 10 °C – 45 °C
- The filter cannot tolerate pressure above 5 bar
- If the filter is subjected to excessively high water pressure, this will cause the filter to collapse (sudden decrease in water flow). The filter must then be discarded
- The filter cannot be “backwashed”
- The contamination level and the amount of filter-blocking particles and substances in the water might reduce the lifetime of the filter
- The filter cannot be rinsed or cleaned in a dishwasher or autoclave
- The filter must be discarded if the expiry date has passed
- Do not modify or make changes to the filter or the adapter
- Important: The filter may not be placed in a hot water bath

Note

- Do not use the water for contact lenses
- The quality of the water is not suitable for pharmaceutical use
- The filter will neither alter the taste nor the odor nor the chemical composition in the water, and does not cause any changes in the concentration of salts, metals, lime scale, chemicals, pesticides, and dyes

No liability for misprints or typographical errors.



T-safe A/S

Gydevang 1

3450 Allerød, Denmark

+45 48 17 22 82

info@t-safe.com

t-safe.com