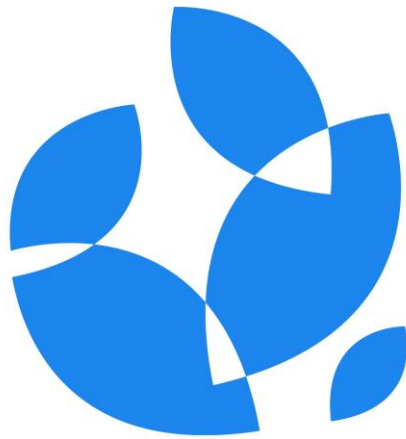




TRATSON

**Operating and Installation Manual
ZFA Quattro Power
V1.3**

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WE THINK OF YOU

Thank you for choosing a **Tratson – ZFA** system. You have selected a product backed by decades of professional experience and innovation. During the development of this unit, we kept your needs in mind – ensuring you obtain the best results every time you use it.



Please read and follow all our **safety and warning instructions**, highlighted by the word **CAUTION**.

Visit our website: www.tratson.ch/en , where you will find:

- Useful application advice, up-to-date brochures, and the latest information.
- Accessories, consumables, and genuine spare parts for your device.
- Installation videos and answers to frequently asked questions.

1.0 Safety Instructions

Please read this manual carefully before installing or commissioning the device. It contains essential information for your safety and for the correct handling of the product.

This manual also serves as official documentation required by applicable regulations and must therefore be kept in a safe and accessible place throughout the device's lifetime. If you transfer the unit to another user, please hand over this manual as well.

1.1 Intended Use

The ZFA (central filtration system with scale protection device) is designed for use in single-family homes, for stationary indoor use in accordance with the following safety instructions. Installation must be carried out as described in this manual.

The unit is intended for dry indoor environments, typically in a basement, and must be installed at a location where no equipment sensitive to electro-magnetic fields is operated within approximately 1 m (depending on unit size).

1.2 Safety of Children and Vulnerable Persons



CAUTION: The ZFA must not be installed by children or by persons with reduced physical, sensory, or mental abilities, or lacking appropriate experience.



CAUTION: Children must not play with the ZFA or its components. Ensure that children or vulnerable persons cannot access the power supply, the unit itself, or its coils.

2.0 Scope of Delivery

No. 1: 1x ZFA unit

No. 3: 1x Extension 3m

No. 5: 2x Male coupling

No. 7: 1x Teflon tape

No. 2: 2x all-metal flex. hose 1.5 m

No. 4: 1x Power supply unit

No. 6: 2x 90° elbow

No. 8: 1x filter housing wrench

Note:

The filter cartridges (Filter 1 and Filter 2) are shipped in a separate package and are not included in this shipment. See Section 4.2 for installation instructions.



2.1 Limescale Protection Device



For safe and proper operation of the integrated scale protection device, please read the separate operating manual supplied with it carefully and completely.

3.0 Installation Notes



To ensure safe and flawless operation, we recommend installation by a certified plumbing professional. Improper installation may result in water damage.



Proper connection to the water supply is the installer's responsibility. Tratsol AG accepts no liability for any damage resulting from incorrect installation.



All threaded connections must be professionally sealed and checked for leaks after assembly.

Select an installation site that meets the following requirements:

- The unit must be installed near the main water connection, usually in the basement. The ambient temperature must not fall below 10 °C or exceed 60 °C
- The ZFA is intended exclusively for cold water operation. The maximum permissible water temperature is 23 °C.
- During operation, the unit reaches a weight of approximately 50 kg. It must be placed on a stable, load-bearing surface with a minimum area of 50 × 50 cm. The room must be fitted with a floor drain.
- The unit must only be operated at a working pressure between 2 and maximum 4 bar. Installation must always be downstream of the pressure-reducing valve, on a bypass, preferably using 1.25-inch fittings.

4.0 Installation

The all-metal flexible hoses can be connected directly to the rear side of the unit. Depending on the site conditions, it may be advisable to use the supplied male couplings and 90° elbows to route the hoses downward, upward, or sideways.

All threaded connections – whether on hoses, couplings, or elbows – must be carefully sealed with the supplied Teflon tape to prevent leakage.



Direct connection on the rear panel

Connection using male coupling and 90° elbow



4.1 Connection Assembly (Bypass)

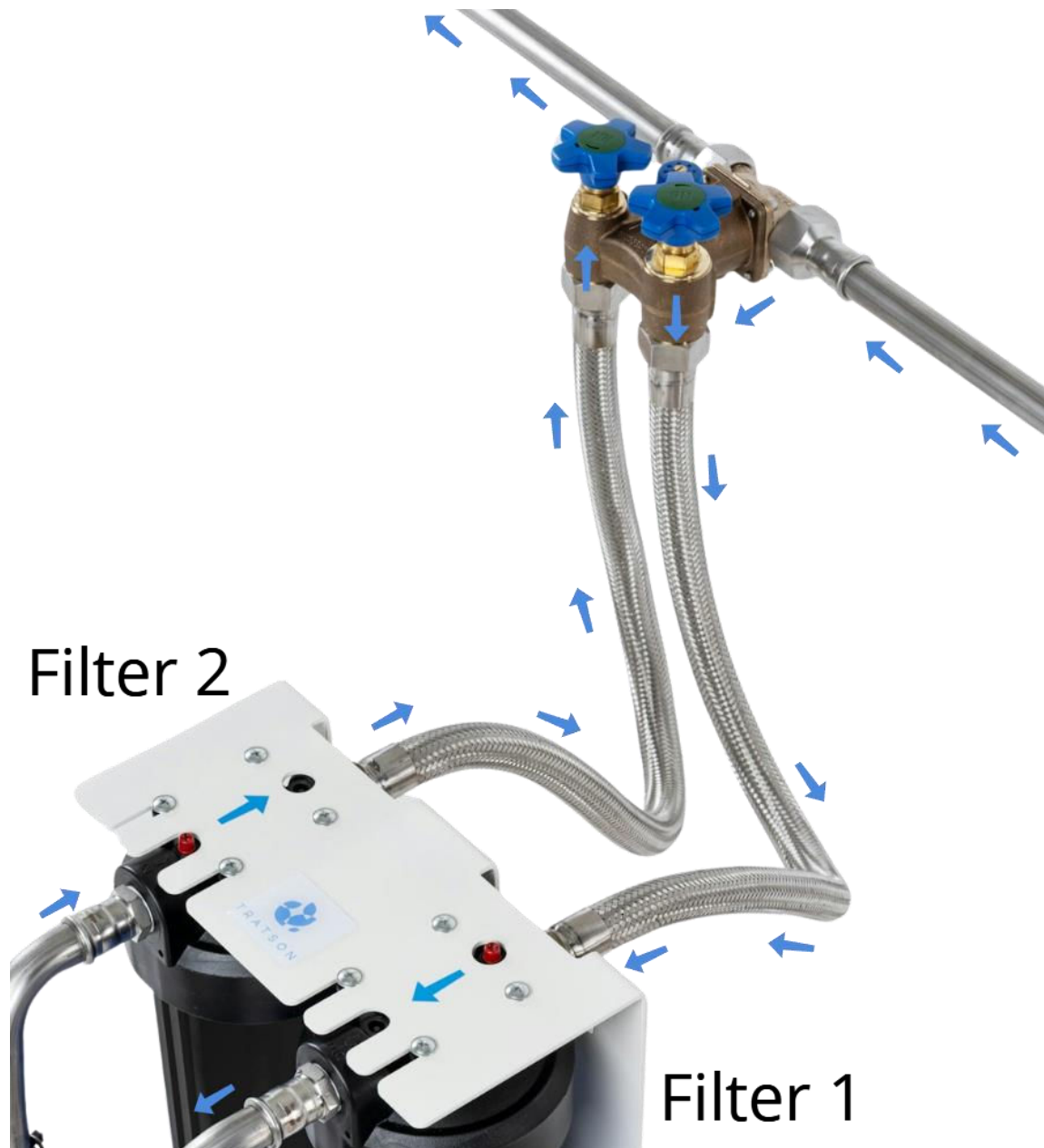
Important – Observe the correct water flow direction:

The all-metal flexible hoses must be attached, with their gaskets, to the 1.25-inch fittings on the bypass assembly. The outgoing water of the bypass must always flow first through Filter 1, then through Filter 2. An incorrect flow sequence can severely impair filtration performance.



Caution – The mixing valve must be closed:

Check that the raw-water mixing valve on the bypass is fully closed. An open mixing valve can significantly reduce the system's protective effect.



4.2 Installing the Filter Cartridges

Important – Filter cartridges are shipped separately:

The ZFA is shipped without the filter cartridges installed. The filter cartridges are included in a separate package and must be installed before commissioning.

- Before installation, completely remove the protective film from each filter cartridge.
- Carefully open filter housings 1 and 2 using the filter housing wrench provided.

Caution – Do not mix up the cartridges:

The filter cartridge labeled “Filter 1” belongs exclusively in the filter housing labeled “Filter 1”; the “Filter 2” cartridge belongs exclusively in the “Filter 2” filter housing. Mixing them up will impair the filtering performance.

- When inserting the cartridge, make sure the white sealing ring at the top of the filter cartridge is seated correctly and does not slip off or get lost.
- Insert the cartridge into the corresponding filter housing, close the housing by hand, and then lightly tighten it with the filter housing wrench (do not overtighten).

Then proceed to Section 4.3, “Commissioning—Vent, Fill, and Flush.”

4.3 Commissioning – Vent, Fill and Flush

Venting the filter housings :

Before opening the water flow via the bypass assembly, loosen the **brass vent screws** on filter housings 1 and 2 with a **flat screwdriver**. This allows trapped air to escape as water enters.

- As soon as water (without air) flows out, gently close the screws **by hand**.



Do not use a power screwdriver, as this may damage the brass vent screws.

- Cover the scale protection device with a cloth to protect it from splashes.

Filling the system:

Slowly open the main valve and the inlet valve on the bypass completely. Check all threaded connections carefully for leaks.

- If no leaks are detected, fully open the inlet and outlet valves on the bypass assembly. The raw-water mixing valve must remain fully closed throughout filtration operation.

Important note on sealing :



Do not tighten the adapter pieces on the filter housings!

These are factory-sealed with adhesive.

Retightening or loosening may impair sealing and cause leaks.



Flushing the filter unit :

Open the **nearest cold-water tap** (e.g., washbasin) fully and let the water run for **at least ten minutes**.

- During transport, carbon dust from the cartridges may have loosened, causing a temporary **grey discoloration** of the water.
- Once the water runs clear, close the tap.



The system is now ready for operation.

4.4 Maintenance – Replacing the Filter Cartridges

The filter cartridges must be replaced :

- **Filter 1 after a maximum of 250'000 Liters of water consumption**
- **Filter 2 after a maximum of 50'000 Liters of water consumption**
- **or both after a maximum of 12 months**

whichever occurs first. If water quality is poor or flow rate decreases, replace sooner.

**Caution – Maintenance only when depressurized :**

- Close the water inlet and outlet valves on the bypass completely.
- Release pressure by fully opening one vent screw.
- Carefully open the filter housings using the supplied filter housing wrench.
- Replace cartridges (maintain order: Filter 1 before Filter 2).
- Close the housings by hand, and then lightly tighten them with the supplied filter housing wrench (do not overtighten).
- Slowly open the water inlet on the bypass, vent the system, and gently retighten the vent screws.
- Fully open the water outlet (bypass outlet).
- Flush for at least 10 minutes until the water runs clear.



Proper system function is ensured only with regular filter replacement.

5.0 Technical Data

Height	[cm]	80
Depth	[cm]	40
Width	[cm]	40
Weight empty	[kg]	31.5
Weight operating	[kg]	50
Ambient temperature	°C	10 – 60
Water temperature (fluid)	°C	+2 to max. 23
Operating pressure	Bar	2 – 4

The ZFA is intended exclusively for cold-water applications connected to the main water supply. The water temperature at the inlet and within the system must not exceed 23 °C at any time. This also applies during periods of inactivity when no water is being drawn. The installation site must be chosen so that this limit is adhered to.



The device is designed for **indoor use in dry environments**.



Dispose of the packaging in appropriate **recycling containers**.



Recycle electrical and electronic devices.
Do not dispose of them with household waste.
Take the device to your **local collection facility**.

6.0 Warranty Conditions

The supplier undertakes, for a period of 2 years from the invoice date or installation date (whichever occurs first), to repair or replace, at its discretion, any part of the unit proven defective or unusable due to poor material or faulty workmanship. Exercise of the warranty does not extend the warranty period.

The warranty applies only if the product has been properly installed, used, and operated. All seals and safety locks must remain intact. Defective parts must be returned carriage paid to the supplier or to another location designated by the supplier. Replaced parts become the property of Tratson AG.

Any further claims by the purchaser due to defective delivery, in particular for damages or contract withdrawal, are excluded. The supplier expressly disclaims any liability for direct, indirect, or consequential damages.

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