MATTEO SYSTEM
INSTRUCTION MANUAL

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Main specifications

The MATTEO filtration system is a ready-made set of filters that removes unwanted impurities and harmful bacteria from the water. The installation process is "Plug and Play". The device is connected directly at the point of entry of polluted water, and we get clean water behind the device.The system consists of a self-rinsing pre-filter, a foam filter, a carbon block and a UV lamp.

Technical specifications

Model	Matteo System
Type	Four-stage filtration system
RATED FLOW	1400 l/h
SUPPLY PRESSURE	2,5 – 4 bar
DIMENSIONS (W x D x H)	70 cm / 30 cm / 75 cm
POWER INPUT	25 W
WEIGHT EMPTY	20 kg
CONECTION SIZE	1"
MAX. INLET TURBIDITY	1,5 NTU
CLEAN FILTERPRESSURE LOSS	0,12 bar
1st filtering stage	Aqwell backwash filter 40 μm
2nd filtering stage	PS20BBReplaceable foam filter
3rd filtering stage	BL20BB replaceable activated carbon block filter
4th filtering stage	UV lamp which emits radiatiodeadly to bacteria

Packing List

- Powder-coated steel rack

- 40 µm coarse filter with backwash

- Inline piping housings, 2 pcs.

- Replaceable filter elements: 1x foam filter + 1x activated carbon filter

- Coarse filter and inline piping housing service spanners

- UV lamp with filament bulb

- UV lamp power supply with filament burn-out alarm

- Installation manual

Prior warnings

WARNING

The UV lamp includes glass elements!You should absolutely
be careful when transporting,unpacking and installing the device.

Recommended materials and tools needed for assembly:

Connections with outside diameter 1"
Pipe 1"
Pipe cutters
PCV glue
Adjustable wrench or pipe wrench
Teflon tape

Please take the system and components out of the box. Check the system carefully,
make sure nothing is damaged during transport. If any part is cracked or damaged,
do not proceed with the installation.

Before installation, make sure that the main water valve is turned off !

Installation

Step 1 - Make sure the device is installed on a flat surface.For greater stability, you can mount the system to the wall thanks to the holes in the top of the rack.

Step 2 – Connect the water inlet to the Aqwell pre-filter with a 1" half screw coming out of the filter **(pic 1)**. Use the supplied gasket.

Step 3 - Connect the water outlet after the UV lamp **(pic 2)**. The connection must be sealed with the teflon tape.

Step 4 – Connect the UV lamp to the power supply 230 V.

Step 5 - Turn on the main water supply.

Step 6 – Rinse the filters with water for 1 minute.

pic 1

pic 2

Filter replacement

1. Filter cartridges should be replaced every 6 months. Unscrew the 20 "blue covers with the included wrench, remove the used cartridge, rinse the inside of the housing and install a new cartridge.

2. The average service life of the UV lamp is 12 months. We recommend using UV sterilizer in a continuous mode, 24 hours a day, 7 days a week.
Frequent turning on and off may shorten the lamp life. Only the lamp filament is replaced. In order to replace the filament, disconnect it device from the power supply. Remove the black rubber part from with the cord power supply and gently remove the filament from the glass cover. Remove the filament wires and install a new filament. Connect the device to a 230 V power supply.

3. The Aqwell pre-filter requires backwashing minimum of once a month, to prevent debris from settling on the filter mesh. It is recommended that when performing the backwash procedure, substitute the tank or connect a drain hose to prevent water splashing. Open the black knob all the way to the right to the "on„ position, let the water run out for a few minutes and then close it again turning left to the "off" position.