



Crystal Clear & Healthy Mikva Water

Filter Installation Manual

Model: FLTM

We thank you for the opportunity of allowing us to take part in this special mitzva of enhancing purity in Klal Yisrael. Every system used within the Bor Tevila is required to meet certain Halachic criteria and many of our products are assembled individually by hand with great detail in order to maintain the strict Halachic requirements. Although we try our utmost to have every system made at the highest quality standard, if your system is damaged in any way, please reach out to us immediately for assistance.

Filter Package Components

Contents included in the FLTM filter box

FILTER BODY



ACCESSORY / INSTALLATION KIT - CLOSED BOX



ACCESSORY / INSTALLATION KIT - OPEN BOX

Also Included in Filter Package



Filter Power Cable
10 m / 32 ft

Connect the control unit to the filter body. Connect by following the installation steps.



Filter Cartridge

Comes already within the filter body.



Spare Motor

Comes in a separate spare motor box.



2 Spare Bottom Nets



Spare Diffuser Kit



Cartridge Ring (PVC)

Helps hold a cleaned cartridge in shape for easier reinsertion

System Model Specs

FLTM standard model specifications

Comparison of standard FLTM models and maintenance intervals.

Specification	FLTM-10	FLTM-75	FLTM-150
After how many Tovlim the cartridge requires cleaning	10-20	50-75	100-150
Suggested Water Volume of Bor Tevila	800 US gal / 3 m ³	1,100 US gal / 4.5 m ³	1,600 US gal / 6 m ³
Flow Rate	33 GPM / 125 LPM	43 GPM / 165 LPM	65 GPM / 250 LPM
Estimated Motor Lifespan	4,000 hours	4,000 hours	4,000 hours
Maximum Daily Motor Operation	10 hours	10 hours	10 hours
Filter Motor Operating Voltage	24V	24V	24V
Watt	180W	200W	250W
Standard Dimensions	See Dimensions page	See Dimensions page	See Dimensions page

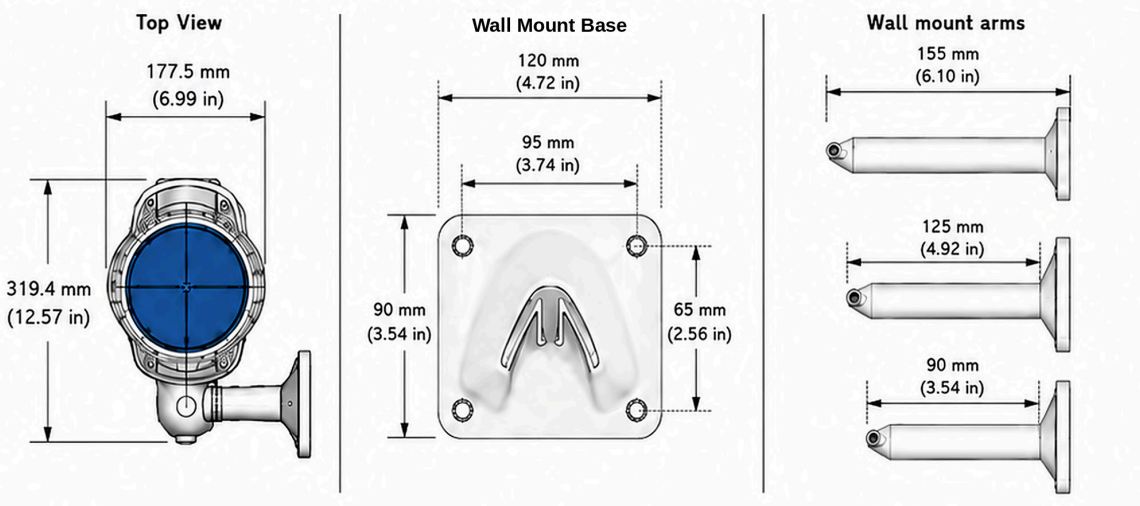
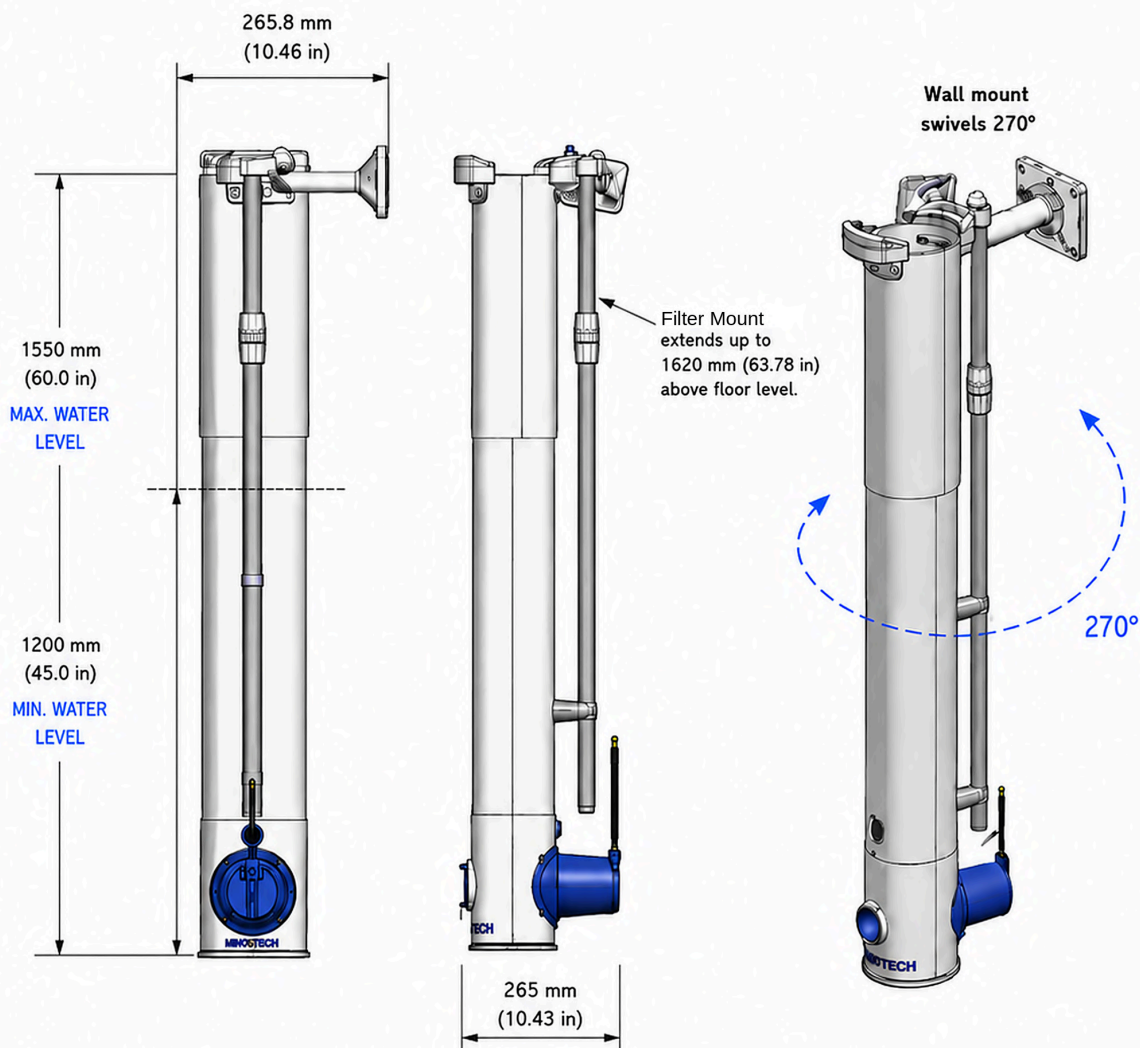
OPERATING HOURS

Recommended operating hours are not listed here. They are listed in the operation manual of the control unit (OXD / SCB), where they depend on the model and the daily tovlm. Never operate the FLTM motor more than 10 hours per day.

Dimensions

FLTM filter dimensions

TECHNICAL REFERENCE



FLTM Installation

Before Installation

Before Installation

Complete these preparations before installing the FLTM. Proper placement and conduit preparation make the installation cleaner and easier to service.

01 / FILTER LOCATION

Choose the filter location

- Install the filter at the deepest point of the Bor Tevila.
- Choose an easy-to-access location for cartridge removal and routine maintenance.
- Do not install the filter under an overhang or over a pump/drainage opening.
- The Filter Body must sit completely flush on the floor.

STANDARD WATER HEIGHT: 45-60 IN.

Outside this range, contact MikvaTech for customization options.

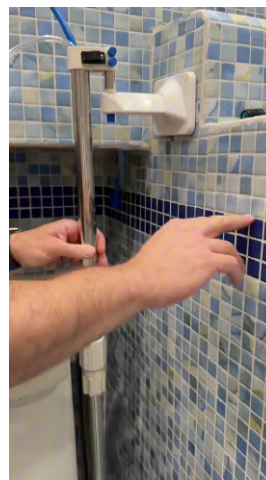


Prepare the conduit and wall-mount area

- Prepare one 1" - 1 1/2" conduit, or two individual 1/2" - 3/4" conduits, from the control-unit location to the Filter Body.
- The Filter Power Cable and the air tube are each approximately 8 mm (5/16") in diameter.
- The conduit should exit 5" above the waterline at the intended filter location.
- Plan the Wall Mount Base directly above the waterline, close to the conduit opening.



CONDUIT EXIT - 5" ABOVE WATERLINE



WALL MOUNT BASE LOCATION

FLTM Installation

Installation - Wall Mount & Positioning

Before Installation

Installation

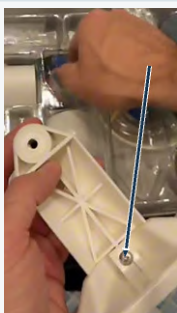
RECOMMENDED TOOLS

Drill + 8 mm (5/16") bit | Phillips screwdriver | Ceramic drill bit | Hammer | Utility knife | Marking pen | Adhesive tape

01

Assemble the Wall Mount

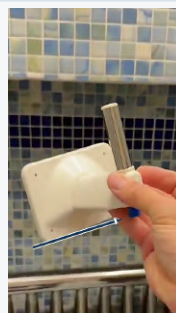
Choose the Wall Mount Arm that best fits the installation location. Three arm lengths are supplied. Attach the selected Arm to the Wall Mount Base using the Arm Screw. Insert the Pendant into the end of the Arm and secure it with one of the supplied Hand Screws.



SECURE ARM TO BASE WITH ARM SCREW



INSTALL THE PENDANT



SECURE THE PENDANT WITH HAND SCREW

02

Position the filter

Place the filter in the selected location. The Filter Body must sit completely flat and remain supported by the floor of the Bor Tevila.



03

Set the Filter Mount height

Loosen the Telescopic Lock and raise the Filter Mount until the top of the Filter Mount is level with the top of the wall-mount Pendant. Retighten the lock.



FLTM Installation

Installation - Wall Mount

Before Installation

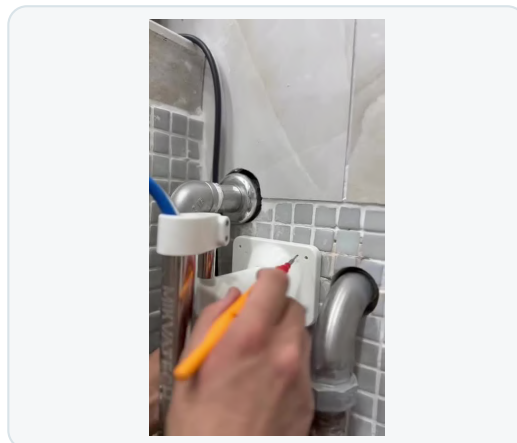
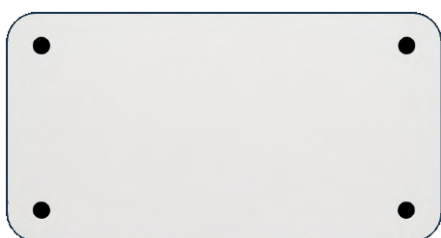
Installation

04

Mark the Wall Mount Base holes

Hold the Wall Mount Base flat against the wall and mark each drilling location.

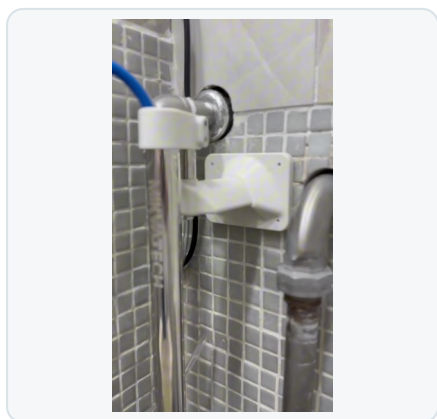
Alternatively, use the wall-mount stencil provided in the installation kit to mark the drilling locations.



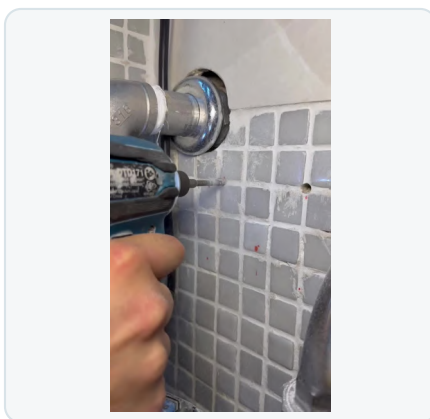
05

Remove, drill, and secure the Wall Mount

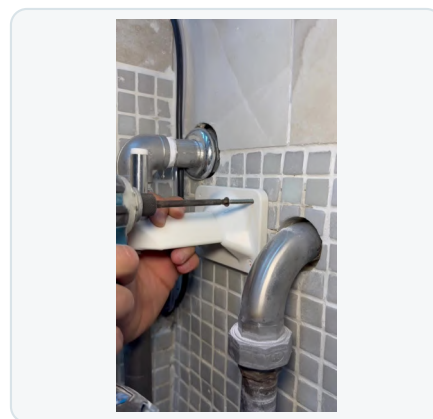
Loosen the mounting screws and remove the Wall Mount assembly from the Filter Mount. Drill slowly and carefully using the ceramic drill bit and insert the wall anchors. If necessary, trim excess plastic so the base sits flat. Secure the Wall Mount Base with the stainless-steel screws supplied in the kit.



WALL MOUNT PREPARATION



DRILL + INSERT ANCHORS



SECURE WITH SCREWS

IMPORTANT - THE WALL MOUNT IS NOT A HOOK.

The Filter Body must remain fully supported by the floor. The wall mount stabilizes the filter; it must not carry the filter's weight.

FLTM Installation

Installation - Finish

Before Installation

Installation

06

Reconnect and direct the water outlet

Return the filter to the wall mount, keeping the Filter Body completely supported by the floor. Rotate the filter so the water outlet at the bottom points into the open center of the Bor Tevila, not toward the wall.



07

Tighten the mounting screws

Tighten both mounting screws so that the Filter Mount is securely fixed to the wall-mount Pendant while the filter remains fully floor-supported.



08

Connect and thread the Filter Power Cable

Align and connect the Filter Power Cable securely. Leave the filter-side connector in the Bor Tevila, and thread the cable itself through the prepared conduit. Keep the connector above the waterline at all times.



CONNECT POWER CABLE



THREAD CABLE THROUGH CONDUIT

Before Operation

Important maintenance reminders

BEFORE REGULAR OPERATION, MAKE SURE THE PERSON RESPONSIBLE FOR ROUTINE OPERATION HAS THE FLTM OPERATION & MAINTENANCE MANUAL AND IS FAMILIAR WITH THE MAINTENANCE SCHEDULE BELOW.

Maintenance at a Glance

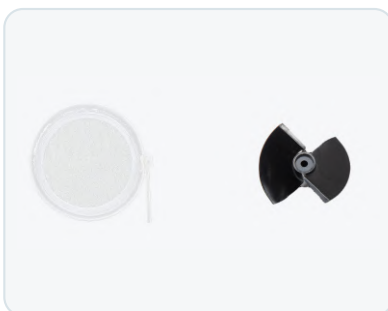


CARTRIDGE

Clean routinely

FLTM-10: every 10-20 tovlm
FLTM-75: every 50-75 tovlm
FLTM-150: every 100-150 tovlm
Double Filter System: every 300 tovlm
Replace every 6-12 months depending on usage.

Follow the full cartridge-cleaning instructions in the FLTM Operation & Maintenance Manual.



BOTTOM NET + PROPELLER

Check regularly

Every 5,000 tovlm OR 3 months - whichever comes first.

Follow the bottom-net and propeller inspection instructions in the FLTM Operation & Maintenance Manual.



DIFFUSER

Replace routinely

Replace every 12 months.

Follow the diffuser-replacement procedure in the FLTM Operation & Maintenance Manual.

INSTALLER / SETUP

Make sure the FLTM Operation & Maintenance Manual stays at the Mikva and reaches the person responsible for ongoing operation. Review the maintenance schedule above with them before leaving.

OPERATOR

Read the FLTM Operation & Maintenance Manual before regular operation. This Installation Manual does not contain the complete cleaning, inspection, and replacement procedures.

Safety Warnings

Read before installation and operation



Do not install the system without prior reading of this manual.



Do not operate the system without prior reading of this manual.



If anything in the manual is not clear to you, contact a company technician before installing and operating the system.



Do not operate the system without water in the Bor Tevila.



Do not place fingers into any part of the filter!



If any component or part of the system breaks, immediately turn off the system and contact the company for replacements.



Do not operate the filter with dirty or clogged cartridges.



Do not feed any external devices or circuits from the oxidation and filter control unit.



This system is intended for use and maintenance by trained and qualified personnel only. Children and untrained persons should not operate or service the system.



Children in the Mikva should be supervised at all times to ensure that they do not touch the device.

Support & Resources

Final handoff before regular operation

BEFORE REGULAR OPERATION

Read the Safety Warnings on the previous page. Make sure the person responsible for routine operation has the FLTM Operation & Maintenance Manual and is familiar with the maintenance schedule.

Need Assistance?

If anything in this manual is not clear to you, contact a MikvaTech technician before operating the system.

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Thank you for choosing MikvaTech.

We are honored to take part in this special mitzva
and to support the health and cleanliness of your mikva water.

For support and contact information,
please refer to the final page inside this manual.