



SAND MEDIA FILTER [MAINTENANCE]



WATER FILTRATION SYSTEMS AND EQUIPMENT

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MAINTENANCE GUIDE

CUSTOMIZABLE CARBON & STAINLESS-STEEL SAND MEDIA FILTERS FOR AGRICULTURAL & INDUSTRIAL WATER

ENGINEERED IN THE USA SINCE 1978

HOW TO REMOVE & REPLACE FILTER MEDIA

MEDIA LOADING SPECIFICATIONS

MEDIA TYPE	TOTAL WEIGHT	NO. OF TANKS	WEIGHT PER TANK
3/4" x 1/2" Gravel	1,500 lbs	3	500 lbs/tank
#20 Silica Sand	3,900 lbs	3	1,300 lbs/tank

Note: Load gravel first, then silica sand.

Applies to Everfilt® SM, SSM, SK-SM, & SK-SSM series tanks. (Vertical, skid-mounted, or custom units may vary. Contact Everfilt® for support.)

TOOLS & SUPPLIES NEEDED

- Socket or wrench set
- Flathead screwdriver or pry bar
- Shovel or vacuum (for media removal)
- New media (sand, gravel, or specialty blend per system spec)
- Clean bucket, bin, or wheelbarrow
- Garden hose or wash-down sprayer
- **PPE:** gloves, eye protection, dust mask

SAFETY FIRST

- **Shut off system power** & close all inlet/outlet valves. Flathead screwdriver or pry bar.
- **Depressurize the filter:** open the drain valve to release pressure.

Note:

- ⚠ Some units have a drain valve on the discharge manifold; others use a media drain port at the tank bottom.

STEP-BY-STEP INSTRUCTIONS



1. DRAIN THE TANK

- Open bottom drain valve & allow water to exit.
- Leave the drain open during servicing.



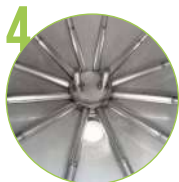
2. REMOVE THE TOP COVER OR MANWAY

- Most units have an access port on top.
- Unbolt coupling or flange & remove cover.
- Remove internal risers or spray assemblies (take photos for reference).



3. REMOVE THE OLD MEDIA

- Use a shop vacuum or scoop to remove media.
- Avoid damaging the underdrain or laterals.
- Dispose of spent media per local regulations.



4. INSPECT THE INTERIOR

- Check for corrosion, coating damage, or other.
- Clean with a low-pressure hose.

5. REFILL WITH NEW MEDIA

- Confirm media specs per manual or Everfilt® sheet.

Typical layering:

1. **Bottom layer:** 3/4" gravel (support bed)
 2. **Top layer:** #20 silica sand (0.45–0.55 mm)
- Pour slowly & evenly.
 - Leave 30% freeboard (2–3 inches below top seam).



6. REASSEMBLE

- Reinstall lid/manway & any internal parts.
- Ensure gaskets are clean & seated properly.



7. FLUSH & RESTART

- Close drain valve & fill slowly with clean water.
- Backwash to remove dust & fines.
- Rinse until discharge water is clear.
- Return system to service & check for leaks.



PRO TIPS

- Label hoses & fittings before disassembly.
- If media clumps, check system flow rate & backwash pressure.
- Replace media every **3–5 years** (or add 2" annually) depending on use & water quality.

ELEVATE YOUR FILTRATION



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