

MAINTENANCE

Replacing the media



WARNING

Do not perform maintenance operations or open filter ports before the pressure in the system is fully released. For draining purposes, open any valve downstream from the filtration system until the pressure is fully released. Check the pressure gauge to be sure it is at 0 before proceeding.

The sand media usually requires replacement every 3 to 5 years, depending on water quality and how much the system operates.

1. Close all the valves, open the top and bottom service ports of all the tanks and remove their covers.
2. Drain and flush all the media from the tank.



CAUTION

Do not use tools to help remove the media - under-drain diffusers ("flutes" or "mushrooms") could be damaged.



TIP

If the sand media is solidified inside the tank and does not pour out of the bottom service port by itself, you can crumble it with pressurized water through the bottom service port.

3. Rinse and clean the inside of the tank.
4. Visually check (with the aid of a flashlight) the inside of all the tanks, through the filling port, for damaged, missing or unsecured under-drain diffusers ("flutes" or "mushrooms"). Replace, re-fit, re-connect and re-secure if necessary (See tank replacement parts: single-chamber - [page 20](#), double-chamber - [page 24](#)).
5. Make sure that the bottom service port and its gasket are clear of any remaining gravel particles and close the bottom service port.



ATTENTION

Single-chamber only

Before filling the tanks with media, Fill each tank with water up to a third of its height with a hose through the filling port before media filling to prevent damage to the under-drain diffusers when pouring the media.

6. Fill the tanks with media through the filling port. Fill each tank up to the media level marker on the filter tank.

Single-chamber



Tank diameter (inch)	Sand quantity*	
	kg	lbs
30	270	595
36	350	770
48	675	1490

*Crushed basalt.

Double-chamber

Tank diameter (inch)	Sand quantity*	
	kg	lbs
12	60	132
16	90	198
20	120	265
24	180	397
30	240	529
36	360	794
48	575	1268

7. Flatten the surface of the media.

8. Make sure that the filling port and its gasket are clear of any remaining gravel particles and close the filling port.
 9. Turn on the water and start irrigation.
 10. As soon as the system is pressurized and stable, start a manual backwashing cycle by pressing the  key (the icon  will appear on the display) and check that the backwashing happens in sequence according to your backwash controller setup (to manually terminate a backwashing cycle in progress, press the same key).
 11. Readjust the backwash flow-control valve:
 - If a manual backwash flow-control valve is installed, throttle the valve to reduce the flow until the media stops running out.
 - If a hydraulic backwash flow-control valve is installed, the valve is factory pre-set to the required flow rate.
- In the rare case that the backwash flow-control valve requires fine-tuning:**
- a. Release the pilot lock-nut.
 - b. Gently rotate the pilot calibration bolt counterclockwise with a wrench to reduce the flow until the media stops running out.
 - c. Retighten the pilot lock-nut.

For further assistance, contact your local Netafim™ representative.