

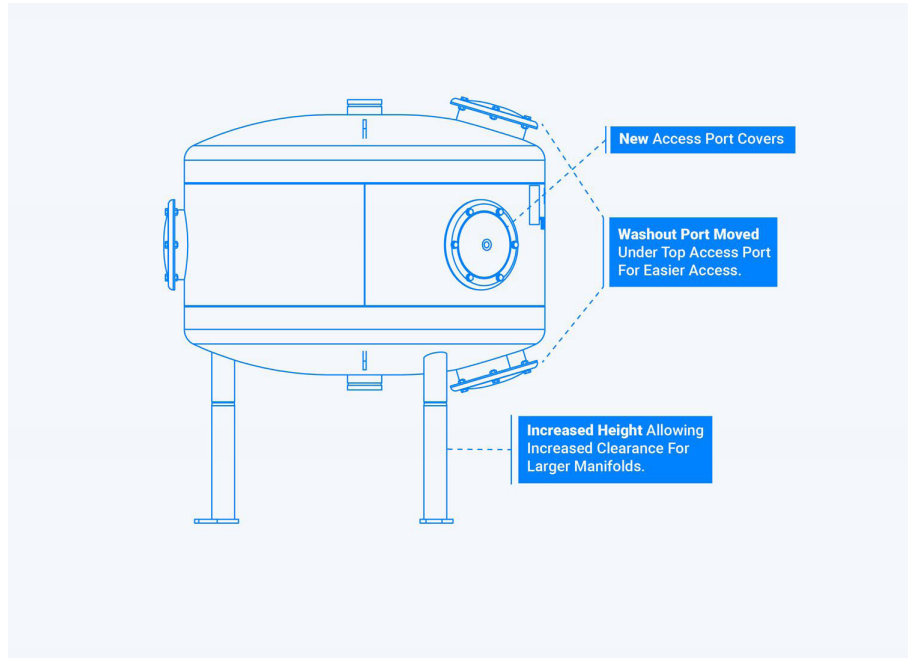
SAND MEDIA & SAND SEPARATOR QUICK GUIDE



Controller Settings



- Set the backflush time to every 3 hrs
- Set the Pressure Differential (PD) to 7-8 PSI
- Set the backflush time to 1 – 1:20 minutes per tank
- Set the Dwell time (Time to delay between one valve closing to the other opening) 30 - 40 seconds



Backflush Control Valve

- Set the backflush flush line valve to 3 1/2 turns from close



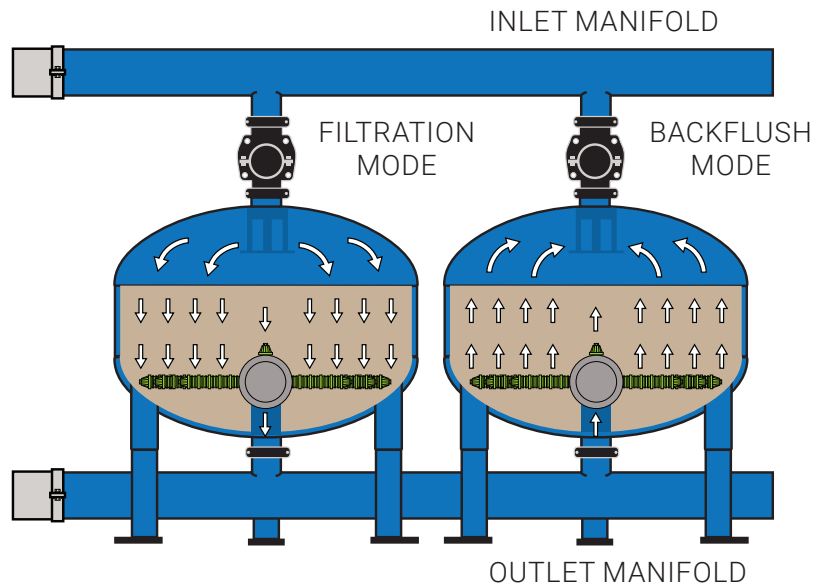
Every Time You Start the System

- Clean the backflush control filter
- Check the controller to make sure it is running correctly
- Look for leaks



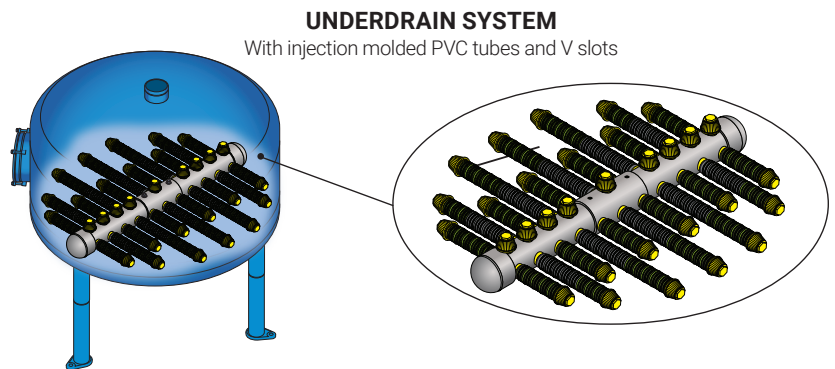
Monthly

- Run the system through a flush to make sure it is running correctly
- Make sure the water is clean in the site tube from a backflush before the valve closes



Monthly

- Open the filters to make sure the sand levels are correct
- Check the sand to make sure it is not sealed
- Dig down with your hand to see if you have layering (deeper than 6" the sand needs to be changed)
- If the sand is gone check the under drain for damage



Season Shut Down Maintenance (algae and bacterial growth control)

1. Perform 1 or 2 manual backwashes of the system (as needed), using the manual option in the controller
2. Release the pressure from the filtration system. Open any valve downstream from the filtration system or the manual valve (if installed) on the outlet manifold end-cap, until the pressure is fully released. Check the pressure gauge to be sure it is at 0 before proceeding. Do not drain the system
3. Open the top service ports of all the tanks
4. Make sure that the tanks remain two-thirds full with water. This is essential for the success of the chemical treatment
5. Pour the required quantity of sodium hypochlorite (NaClO) or hydrogen peroxide (H₂O₂) into each tank according to the table below

Tank diameter (inch)	Quantity of sodium hypochlorite (NaClO) (liter) Quantity of hydrogen peroxide (H ₂ O ₂) liter		
	Domestic liquid 3% concentration	Technical liquid 10% concentration	Technical liquid 30% concentration
12	0.7	0.25	0.15
16	0.8	0.3	0.15
20	1.1	0.4	0.2
24	1.5	0.5	0.2
30	3.0	1.0	0.3
36	5.0	1.5	0.5
48	10.0	3.0	1.5

6. Gently stir the media inside each tank with a wooden stick

WARNING

Take care not to damage the tank under-drain diffuser/s (“flutes” or “mushrooms”)

7. Wait at least 3 hours for the chemical contact time

8. Close the top service ports of all the tanks

9. Pressurize the system

10. Perform 1 or 2 manual backwashes of the system (as needed), using the manual option in the controller. For further assistance, contact your local Netafim™ representative

Sand Maintenance

- Change sand every 5 – 7years
- Buy the correct sand for your system -
#12 Silica Sand = 100 - 120 mesh
#16 Silica Sand = 120 - 150 mesh
#20 Silica Sand = 200 - 220 mesh
- Sand needs to be Silica Sand for filtration
- Once the new sand is installed, run a backflush first



Sand Separation

