SandStorm™

Single chamber, metal media filter

Offers high quality filters made from carbon steel ST-37.2 in a modular configuration with high resistance to UV and multi layer corrosion protection. Its best-in-class warranty assists farmers achieve healthier crops, higher yields and maximize profits.

Long lasting

Versatility

Ease of maintenance

Benefits & Features

→ Long lasting	Rugged tank design and industry-leading anti-corrosion and UV resistance, provide long-term rust protection even in wet and humid climates.
→ Versatility	A wide range of diameters and configurations that correspond precisely to the flow rate of your system, ensuring optimal filtration efficiency.
→ Easy of maintenance	Large access ports and additional service ports make the job of replacing media and performing routine maintenance easy and hassle-free.
→ Uniform irrigation	Designed by world experts, absorbs particles as part of a depth filtration process, protecting the system from mineral, silt and sand infiltration. Provides super-efficient back-flush cleaning cycles that ensure irrigation uniformity, season after season.
→ Modularity	Modular manifold design makes it quick and easy to scale up the filtration system as irrigation needs grow.

Applications

- Primary filtration for irrigation systems using surface water from rivers, streams and canals that contain organic matter and in many cases silt and/or clay.
- Irrigating systems with driplines/sprinklers/micro-sprinklers in poor surface water quality in multiple season applications.
- Irrigation water containing high levels of iron (with special media).

Specifications

- Maximum working pressure according to the chosen model.
- Different tank sizes, from 24" to 48", for better compatibility with the required flow rate.
- It is possible to install these tanks in different configurations according to the number of tanks and the size of the surface on which they will be installed.

→ Hydraulic performance

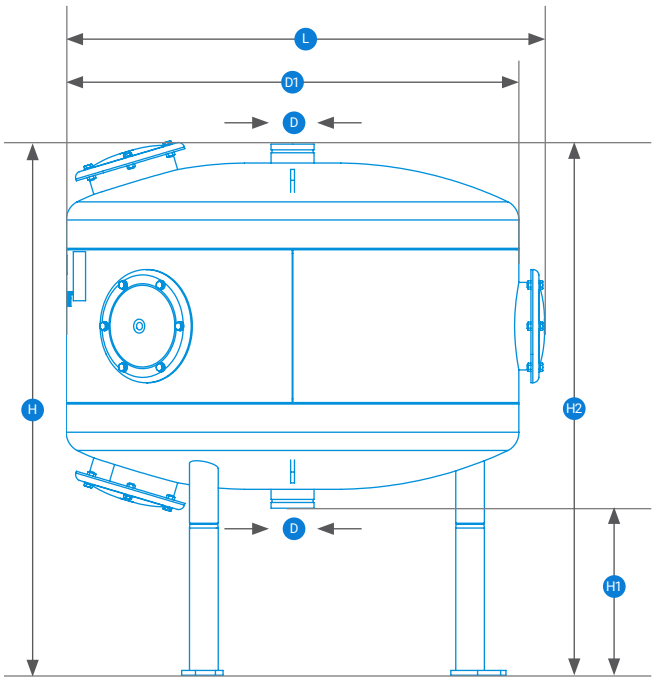
Tank diameter	Filtration area		Maximum recommended flow rate		Back-flush flow rate				Minimum back-flush pressure	Maximum operating pressure
					Basalt number 1		Silica 16			
	(m^2)	(ft^2)	(m^3/h)	(gpm)	(m^3/h)	(gpm)	(m^3/h)	(gpm)	(bar/psi)	(bar/psi)
24"	0.3	3.23	21	93	20	88	12	53	2/29	8/115, 10/145
30"	0.45	4.84	30	132	36	159	20	88		
36"	0.65	7	45	198	50	220	28	123		
48"	1.13	12.16	80	352	80	352	43	189		

* Maximum recommended flow rate is based on good water quality and calculated with velocity of 70 m/h (0.064 ft/sec)

→ Technical dimensions

Tank diameter	D	D1	H1		H2		H		L		Empty Tank Weight		Sand Quantity*	
	(inch)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(kg)	(lb)	(kg)	(lb)
24"	3	24	310	12.20	1377	53.98	1351	53.19	650	25.60	110	242	250	551
30"	3	30	406	15.98	1371	53.98	1376	54.17	820	32.28	120	265	325	684
36"	3	36	406	15.98	1371	53.98	1378	54.25	1034	40.71	155	342	475	1047
48"	4	48	406	15.98	1371	53.98	1380	54.33	1268	49.92	235	518	900	1985
48" (High)	4	48	443	17.44	1408	55.43	1417	55.79	1268	49.92	235.5	519	900	1985

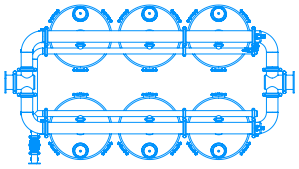
* Media weight based on Silica 16



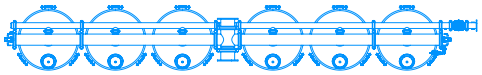
→ Configurations

Straight-Line
Number of tanks: 2-5

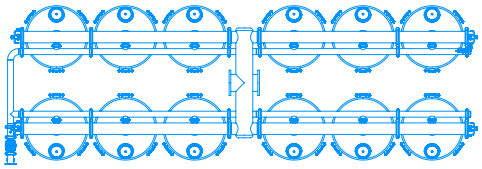
Parallel
Number of tanks: 5 and up



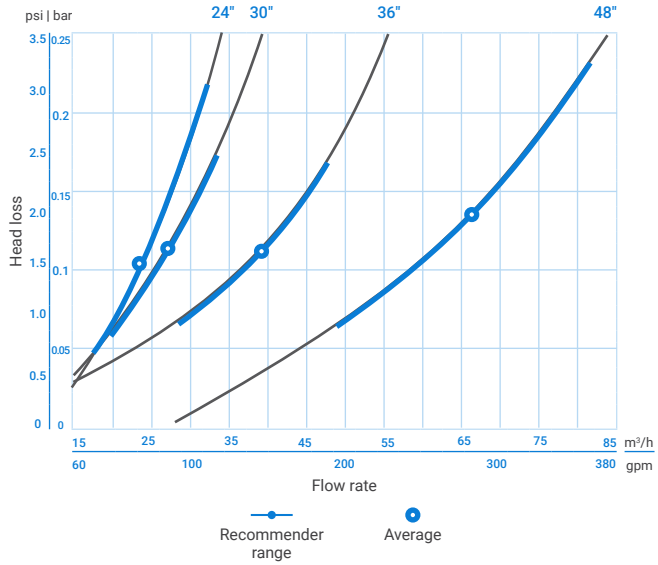
Straight-Line Center Feed
Number of tanks: 5-10



H-System
Number of tanks: 5 and up



→ Head loss



According to Silica 16 media

→ Catalog numbers

The filters configuration and his catalog number will be determined according to the specific conditions in each application. For a correct definition of a required filter/ filtration system please contact your Netafim™ local representative.