

# SandStorm™ NC

## Single chamber, non-corrosive media filter

Made of robust high-quality, non-corrosive materials. Its modular design allows for easy assembly and flexible expansion. Built for long term high performance, backed by a lifetime anti-corrosion warranty protecting your irrigation system. SandStorm™ NC durable design reduces annual operating expenses and increases the farms bottom line.



Long lasting



Versatility



Ease of  
maintenance

## / Benefits & Features

- **Long lasting** The tank is made from PE liner strength with Aluminum collars and covered with glass fiber fabrics for maximum strength and protection. For areas with high humidity and/or installations requires acids and other tough chemicals treatments.
- **Versatility** Different 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.

## / 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).
- Ideal for use in high humidity areas.

# Specifications

- Maximum working pressure 6 bar (87 psi).
- Different tank sizes, 36" or 48", for better compatibility with the required flow rate.
- Modular manifold design makes it quick and easy to scale up the filtration system as irrigation needs grow.
- 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

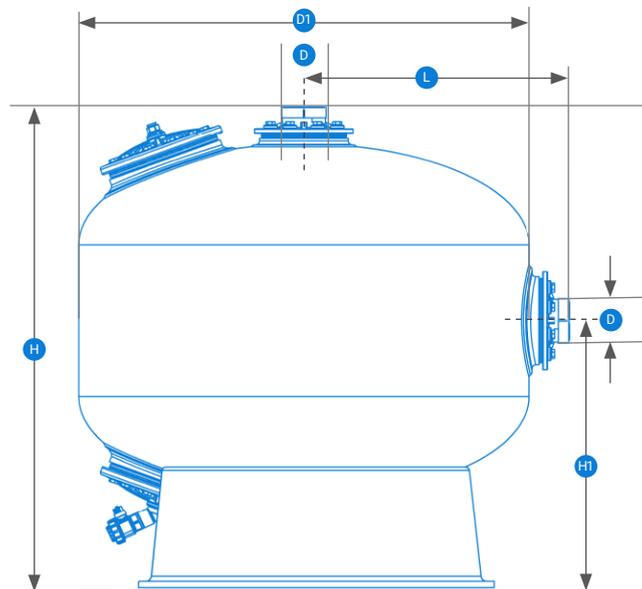
Tank diameter	Filtration area		Maximum flow rate		Back-flush flow rate				Minimum back-flush pressure (bar/psi)	Maximum operating pressure (bar/psi)
	(m <sup>2</sup> )	(ft <sup>2</sup> )	(m <sup>3</sup> /h)	(gpm)	Basalt number 1		Silica 16			
					(m <sup>3</sup> /h)	(gpm)	(m <sup>3</sup> /h)	(gpm)		
36"	0.64	6.98	45	198	35	154	19	84	2/29	6/87
48"	1.09	11.73	80	352	65	286	36	159		

\* 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	H		H1		L		Empty tank weight		Sand quantity	
	(inch)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(kg)	(lb)	(kg)	(lb)
36"	3	36	1265	49.8	690	27.17	523	20.59	120	265	425	937
48"	4	48	1310	51.57	715	28.15	675	26.57	165	364	750	1654

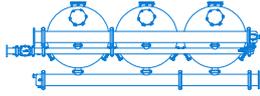
\* Media weight based on Silica 16



## → Configurations

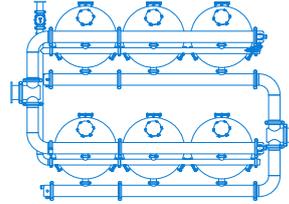
Straight-Line

Number of tanks: 2-5



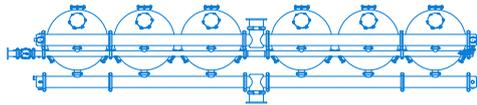
Parallel

Number of tanks: 5-10



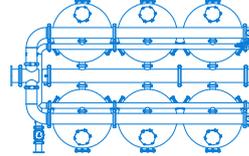
Straight-Line Center Feed

Number of tanks: 5-10

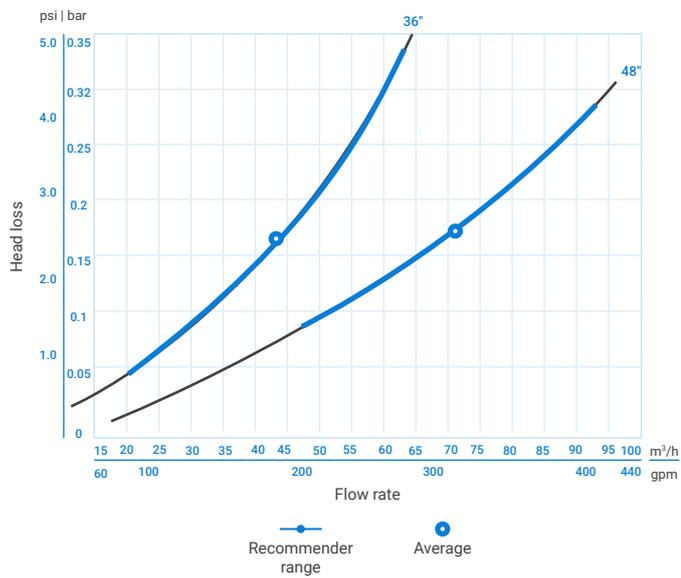


Parallel Centered

Number of tanks: 5-10



## → Head loss



## → 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.