

Sandstorm™

NON CORROSIVE SINGLE CHAMBER MEDIA FILTER

Sandstorm NC media filters offers high quality media filters made from durable non-corrosive materials in a modular configuration with high performances and with the industrial leading warranty, produces healthier crops, higher yields and more profitable farming.



Maximum
Protection



Durable
Non-Corrosive
Materials



Simple
to Operate

Benefits & Features

- ✓ Maximum protection for irrigation systems irrigating with surface water contain high load of organic materials, silt & clay
- ✓ Durable non-corrosive materials - the tank is made from PE liner strength with Aluminum collars and covered with glass fiber fabrics for maximum strength and protection
- ✓ Simple to operate due to it's low profile, light weight and large access ports
- ✓ Available in 36" and 48" tanks diameters
- ✓ For areas with high humidity and/pr installations requires acids and other tough chemicals treatments
- ✓ Flexible and modular design allows for future expansion as needed
- ✓ Industry leading warranty

→ 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 irrigating with dripperlines in poor surface water quality in multiple season applications
- For applications when injection of acids and other tough chemicals is needed
- For water contain Iron (with special media)



→ HYDRAULIC PERFORMANCE

TANK DIAMETER	FILTRATION AREA		MAXIMUM FLOW RATE		BACK FLUSH FLOW RATE				MINIMUM BACK FLUSH PRESSURE BAR/PSI	MAXIMUM OPERATING PRESSURE BAR/PSI
					BASALT NUMBER 1		SILICA 16			
	M²	FT²	M³/H	GPM	M³/H	GPM	M³/H	GPM		
36"	0.64	6.88	45	200	35	155	19	85	2/30	6/85
48"	1.09	11.73	80	350	65	285	36	160		

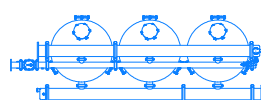
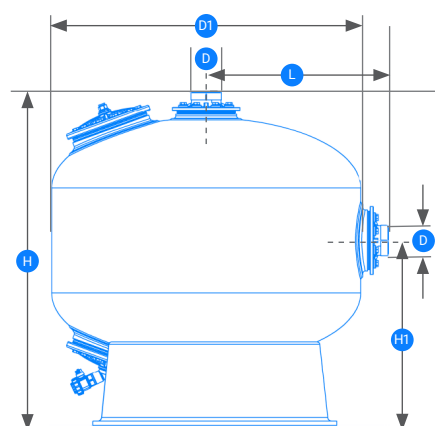
* Maximum recommended flow rate is based on good water quality and calculated with velocity of 70 m/h

→ TECHNICAL DIMENSIONS

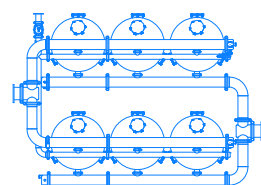
TANK DIAMETER	D (IN.)	D1 (IN.)	H		H1		L		EMPTY TANK WEIGHT		SAND QUANTITY	
			MM	IN.	MM	IN.	MM	IN.	KG	LB	KG	LB
36"	3	36	1,265	49.8	690	27	523	20.6	120	265	425	935
48"	4	48	1,310	51.6	715	28	675	26.6	165	364	750	1,655

* Media weight based on Silica 16

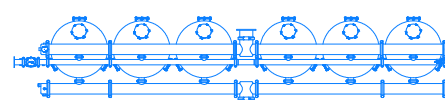
→ CONFIGURATION



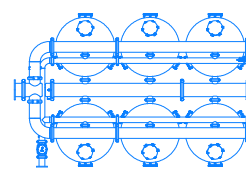
STRAIGHT-LINE
Number of tanks: 2-5



PARALLEL
Number of tanks: 5-10

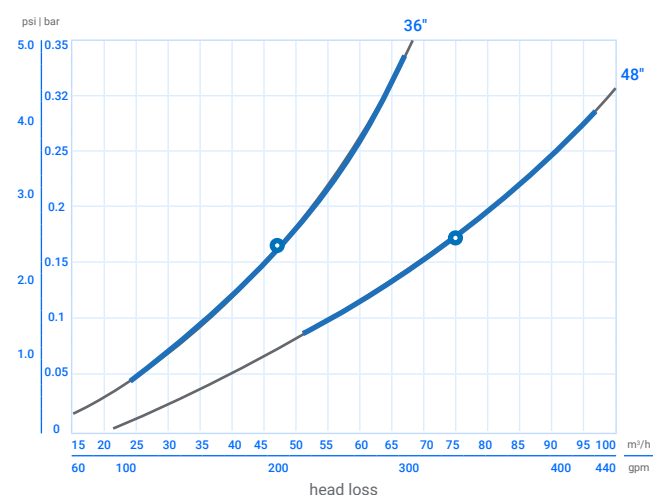


STRAIGHT-LINE CENTER FEED
Number of tanks: 5-10



PARALLEL CENTERED
Number of tanks: 5-10

→ HEAD LOSS



- Recommended range
- Average