

# Sandstorm™ NC

## NON-CORROSIVE SINGLE CHAMBER MEDIA FILTER

Sandstorm™ NC media filter increases your farms bottom line. Made of robust high-quality, non-corrosive materials, its modular design allows for easy assembly and flexible expansion. Built for long term high performance and backed by a lifetime anti-corrosion warranty protecting your irrigation system. So your farming operation can be more profitable.



Maximum Protection



Durable  
Non-Corrosive  
Materials



Simple  
to Operate

## Benefits & Features

- ✓ Maximum protection for systems irrigating with surface water containing high loads of organic materials, silt & clay
- ✓ Durable non-corrosive materials - the tank is made from PE liner with Aluminum collars and covered with glass fiber fabrics for maximum strength and protection
- ✓ Simple to operate with its low-profile design and large access ports
- ✓ Available in 36" and 48" tanks
- ✓ Modular design allows for easy assembly and flexible expansion
- ✓ Industry leading warranty: Lifetime anti-corrosion warranty

### → APPLICATIONS

- Primary filtration for surface water from rivers, streams and canals that contain organic matter, silt and/or clay
- Irrigating with poor surface water quality in multiple season applications
- For fertilizer and acid applications
- Ideal for areas with high humidity
- For water containing Iron (with special media)



# SANDSTORM™ NC SINGLE CHAMBER MEDIA FILTER

ALWAYS ON GUARD

## → HYDRAULIC PERFORMANCE

TANK DIAMETER	FILTRATION AREA (FT <sup>2</sup> )	MAXIMUM FLOW RATE (GPM)	BACK FLUSH FLOW RATE (GPM)	MINIMUM BACK FLUSH PRESSURE (PSI)	MAXIMUM OPERATING PRESSURE (PSI)
			SILICA 16		
36"	6.89	198	84	29	87
48"	11.73	350	160		

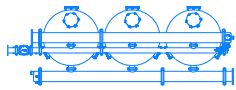
\* Maximum recommended flow rate is based on good water quality and calculated with velocity of 0.064 ft/sec.

## → TECHNICAL DIMENSIONS

TANK DIAMETER	D (IN)	D1 (IN)	H (IN)	H1 (IN)	L (IN)	EMPTY TANK WEIGHT (LB)	SAND QUALITY (LB)
36"	3	36	49.8	27.17	20.59	265	937
48"	4	48	51.57	28.15	26.57	364	1,654

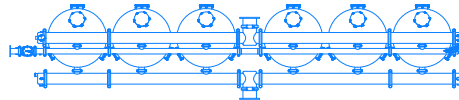
\* Media weight based on Silica 16

## → CONFIGURATION



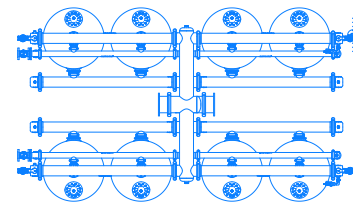
**STRAIGHT (END FED)**

Number of tanks: 2-5



**TEE (CENTER FED)**

Number of tanks: 4-8



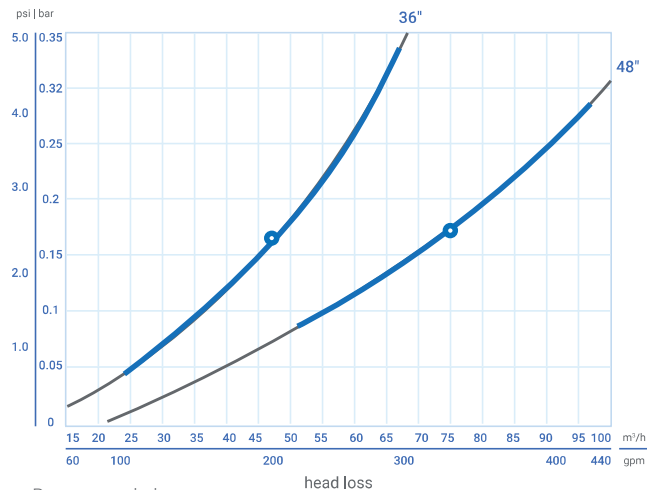
**H (CENTER FED)**

Number of tanks: 6-12

## → SILICA SAND MEDIA DATA

MEDIA TYPE	MESH RANGE	MEAN EFFECTIVE SIZE
CRUSHED SILICA #12	80 - 130 MESH	1.1 - 1.2MM
STANDARD SAND 6/20	100 - 140 MESH	0.9 - 1.0MM
CRUSHED SILICA #16	155 - 200 MESH	0.6 - 0.7MM
U.S. SILICA 80	160 - 200 MESH	0.6 - 0.7MM
CRUSHED SILICA #20	170 - 230 MESH	0.45 - 0.5MM

## → HEAD LOSS



## → ORDERING INFORMATION

TANK SIZE	# OF TANKS	CONFIGURATION	
		STRAIGHT	TEE
36"	2	2NCFS3602AAC	
	3	2NCFS3603AAC	
	4	2NCFS3604AAC	2NCFT3604AAC
	5		2NCFT3605AAC
	6		2NCFT3606AAC

TANK SIZE	# OF TANKS	CONFIGURATION		
		STRAIGHT	TEE	H
48"	2	2NCFS4802AAC		
	3	2NCFS4803AAC		
	4	2NCFS4804AAC	2NCFT4804AAC	
	5	2NCFS4804AAC	2NCFT4805AAC	
	6		2NCFT4806AAC	2NCFH4806AAC
	7		2NCFT4807AAC	2NCFH4807AAC
	8		2NCFT4808AAC	2NCFH4808AAC
	10			2NCFH4810AAC
	12			2NCFH4812AAC