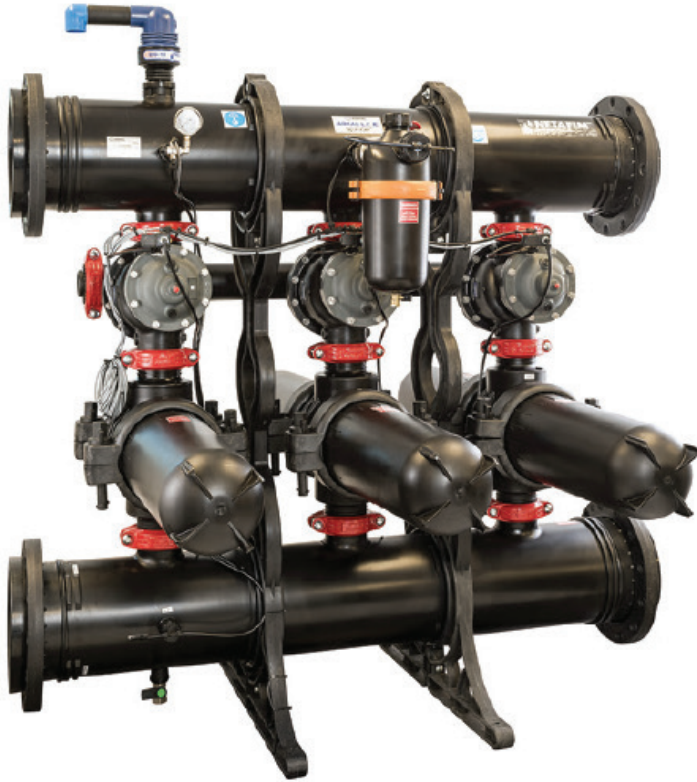




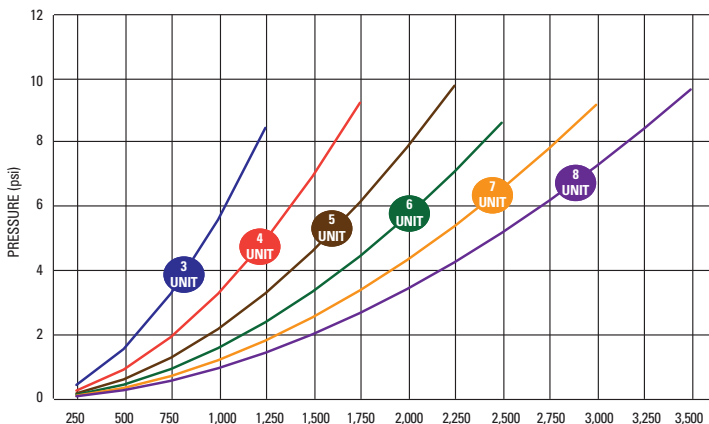
APPLICATIONS

- Agricultural irrigation
- Systems requiring high volumes of water

FEATURES

- 10" manifold for all filter sizes means easier installation with less inventoried parts
- Modular design provides portability for easier field installations and has a smaller footprint
- Water inlet and outlet versatility because grower chooses what works best for the application
- Lightweight, easy to use plastic clamps secure the filter cover to the filter body
- Less overall water used for flushing – shorter overall flush cycle ensures better uniformity of irrigation and less flush water to dispose or filter for reuse
- Lower installation costs – pre-assembled and ready to install. Flange and bolt kits make assembling multiple filter units easy with minimal additional installation costs.
- Smaller footprint – easier and faster to install while saving money on concrete pad size
- Eliminates leaks and rusting – synthetic materials are not damaged by chemical injection or organic materials in the water and will not corrode

HEADLOSS VS. FLOW RATE



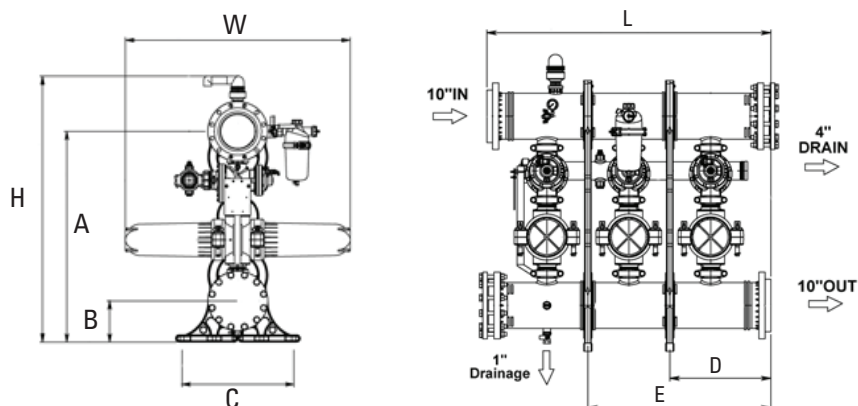
SPECIFICATIONS

	4 UNIT ANGLE	3 UNIT TWIN	3-1 UNIT TWIN	4 UNIT TWIN	5 UNIT TWIN	6 UNIT TWIN	7 UNIT TWIN	8 UNIT TWIN
STANDARD MODEL MAX. OPERATING PRESSURE (psi)	90	90	90	90	90	90	90	90
HIGH PRESSURE MODEL MAX. OPERATING PRESSURE (psi)	140	140	140	140	140	140	140	140
MINIMUM BACKFLUSH PRESSURE (psi)	30	30	30	30	30	30	30	30
FILTRATION SURFACE AREA (sq. in.)	1,625	2,435	2,435	3,245	4,055	4,865	5,675	6,485
BACKFLUSH FLOW PER UNIT (GPM at 35 psi)	95	190	190	190	190	190	190	190
BACKFLUSH VOLUME PER FLUSH CYCLE (GPM)	130	210	210	265	340	420	500	550
INLET/OUTLET MANIFOLD CONNECTION (in.)	10 FL	10 FL	10 FL	10 FL	10 FL	10 FL	10 FL	10 FL
DRAIN MANIFOLD CONNECTION (in.)	4 GR	4 GR	4 GR	4 GR	4 GR	4 GR	4 GR	4 GR
MINIMUM ALLOWABLE PH	5	5	5	5	5	5	5	5

[Additional Specifications](#)



DIMENSIONS AND WEIGHT



Filter Size	L	W	H	A	B	C	D	E	Weight
4 Unit Angle	64 1/2"	36 1/8"	47 15/16"	-	8 1/4"	-	-	-	510 lbs.
3 Unit Twin	68 9/32"	60 9/32"	71 9/32"	56 15/32"	11 1/32"	29 29/32"	24 9/32"	43 31/32"	351 lbs.
3-1 Unit Twin	68 9/32"	60 9/32"	71 9/32"	56 15/32"	11 1/32"	29 29/32"	24 9/32"	43 31/32"	235 lbs.
4 Unit Twin	87 15/16"	60 9/32"	71 9/32"	45 7/16"	11 1/32"	29 29/32"	24 9/32"	63 31/32"	455 lbs.
5 Unit Twin	107 5/8"	60 9/32"	71 9/32"	45 7/16"	11 1/32"	29 29/32"	24 9/32"	63 31/32"	1,254 lbs.
6 Unit Twin	127 5/16"	60 9/32"	74 25/32"	47 6/16"	12 1/32"	29 29/32"	24 9/32"	63 31/32"	1,495 lbs.
7 Unit Twin	147"	60 9/32"	74 25/32"	47 6/16"	12 1/32"	29 29/32"	24 9/32"	63 31/32"	1,750 lbs.
8 Unit Twin	166 11/16"	60 9/32"	74 25/32"	47 6/16"	12 1/32"	29 29/32"	24 9/32"	63 31/32"	2,010 lbs.

SPINES PER FILTER

Filter Size	# of Spines
4 UNIT ANGLE	4
3 UNIT TWIN	6
3-1 UNIT TWIN	4
4 UNIT TWIN	8
5 UNIT TWIN	10
6 UNIT TWIN	12
7 UNIT TWIN	14
8 UNIT TWIN	16

MAX. FLOW RATE (GPM)

Water Quality	Flow Per Spine		
	80 Mesh	120 Mesh	140 Mesh
Good	198	183	171
Average	183	171	156
Poor	156	144	132
Very Poor	132	117	105

Calculating maximum flow rate

(GPM) per filter unit:

Take the total # of Spines based on the filter size and multiple that number by the Row Per Spine based on the Water Quality and Mesh.

APOLLO VS. SAND FILTER Benefit Comparison



	APOLLO	SAND MEDIA
FOOTPRINT	Small	Large
PORTABILITY	Easy	Cumbersome
INSTALLATION LABOUR	Minimal	Extensive
SAND	Not Required	Required
REQUIRES ASSEMBLY	No	Yes
BACK FLUSH PRESSURE	30 psi	30 psi



Smaller Footprint

Apollo filter is easier and faster to install and has a 60% smaller footprint

- Sand Media filters require extensive assembly of the tanks and manifold
- The Apollo's one size manifold and water inlet and outlet versatility.

Less Overall Water Used for Flushing

Apollo filter may flush more frequently than Sand Media filters, but will use 45% less water overall.

- Shorter overall flush cycles ensure better uniformity of irrigation
- There is less flush water to dispose of or filter for reuse.