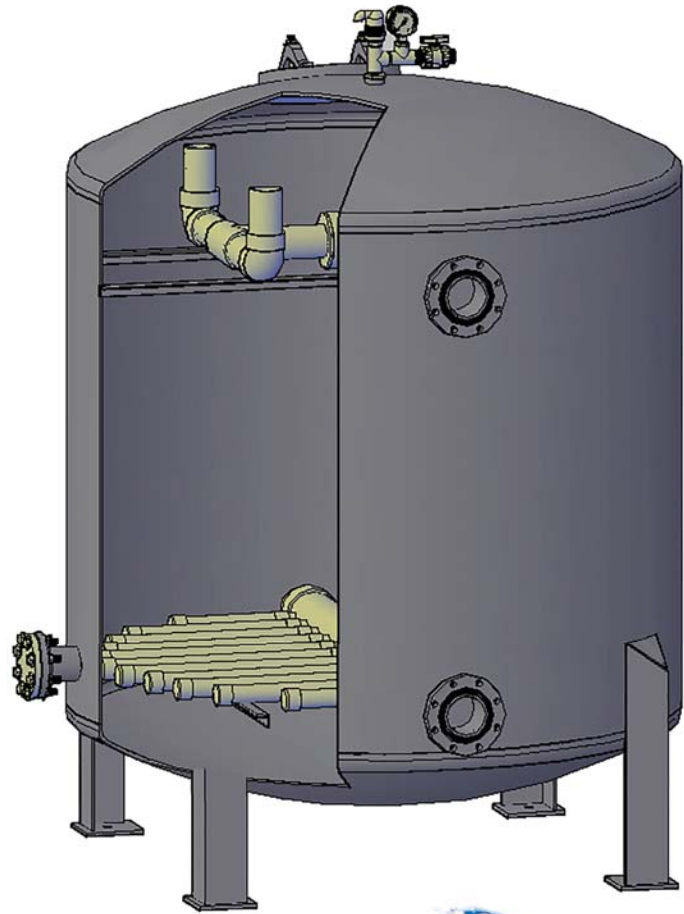




Providing quality filtration and water treatment solutions for today's most challenging applications

Vertical Media Filters



Phone: (605) 646-2523 - www.alliance-process.com

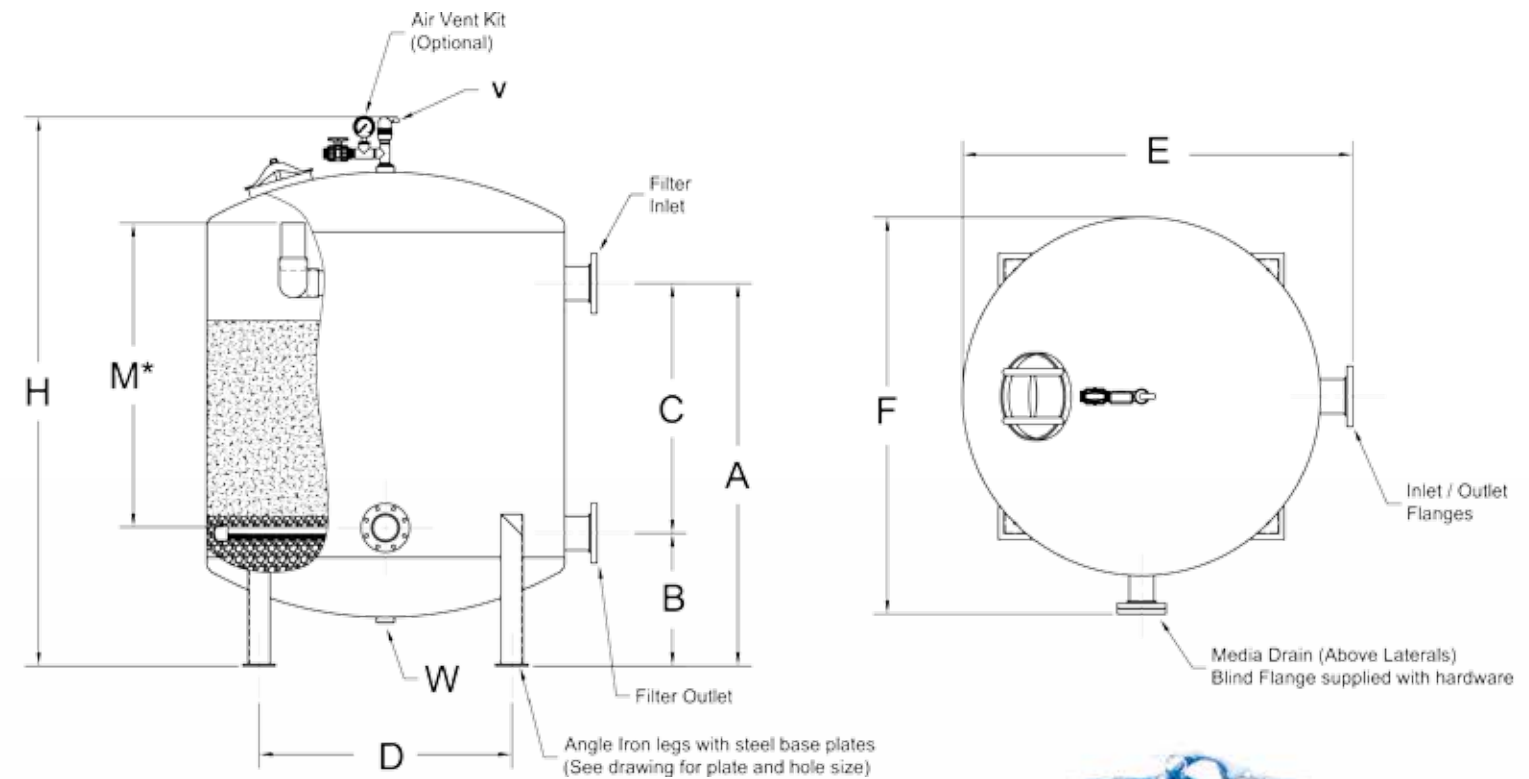
Filter Data										Dimensions									
Filter Diameter	Connection Size	Media Drain	Manway Size	Surface Area (Sq.Ft.)	Flow Rate Range	Media Bed Depth	Freeboard %	Side Shell Height	Lateral Diameter	A	B	C	D	E	F	H	M	W	V
42"	3"	3"	12" x 16"	9.6	48 - 192	30"	33%	48"	1"	56"	20"	36"	29.70"	46"	47"	82"	42"	1"	1"
48"	4"	3"	12" x 16"	12.6	63 - 252	36"	50%	60"	1-1/2"	59"	21"	48"	33.94"	54"	53"	96"	56"	2"	1"
54"	4"	3"	12" x 16"	15.9	80 - 319	36"	50%	60"	1-1/2"	70"	22"	48"	38.18"	60"	59"	98"	56"	2"	1"
60"	4"	3"	12" x 16"	19.6	98 - 392	36"	50%	60"	1-1/2"	70"	24"	46"	42.43"	66"	67"	100"	56"	2"	1"
66"	6"	4"	12" x 16"	23.7	118 - 474	36"	50%	60"	1-1/2"	71"	25"	46"	46.67"	72"	73"	101"	56"	2"	1"
72"	6"	4"	12" x 16"	28.3	142 - 566	48"	33%	72"	1-1/2"	83"	25"	58"	50.91"	78"	79"	115"	66"	2"	1"
78"	6"	4"	12" x 16"	33.2	166 - 664	48"	33%	72"	1-1/2"	84"	26"	58"	55.15"	84"	85"	116"	66"	2"	1"
84"	6"	4"	12" x 16"	37.4	187 - 784	48"	33%	72"	2"	86"	28"	58"	59.40"	90"	91.5"	118"	66"	2"	1"
90"	6"	4"	12" x 16"	44.1	220 - 882	48"	33%	72"	2"	87"	29"	58"	63.64"	96"	97.5"	119"	66"	2"	1"
96"	8"	6"	14" x 18"	50.2	250 - 1,005	48"	33%	72"	2"	88"	30"	58"	67.88"	102"	103.5"	122"	68"	2"	1"
102"	8"	6"	14" x 18"	56.7	283 - 1,134	48"	33%	72"	2"	89"	31"	58"	72.13"	108"	109.5"	125"	68"	2"	1"
120"	8" / 10"	6"	14"x18" / 24"	78.5	393 - 1,570	48"	33%	72"	2"	91"	33"	58"	84.85"	126"	128"	128"	68"	2"	1"

Standard Filter Features

- Designed & Constructed per ASME Section VIII, Division 1
- High solids epoxy coating for abrasion and corrosion resistance
- Standard pressures; 50, 75, 100 PSI
- ANSI 150# flanges standard on all filters
- Large manways for easy access
- Factory assembled PVC Schedule 80 internal piping
- Internal bracing for shipping and operational support of internals
- Lifting lugs on all tanks
- All standard hardware included (Stainless Steel optional)

Filter Options & Accessories

- Available Coatings for all water and fluid types
- Metric Flanges & Hardware
- Sight Ports and lights for internal viewing
- Pressure ratings up to 250 PSI
- ASME U Stamp available upon request
- Custom port sizes and locations
- Air Vent Kits with auto and manual air vents
- Drain assemblies with manual drain valve
- Custom pipe manifolds and valve assemblies
- Stainless steel internal assemblies
- Hardware material options



* Dimension M Denotes distance from laterals to top of diffuser pipe.

Every application is unique. Our applications expertise allows Alliance to assist your design team in choosing and applying products that will best fit your needs. It is no longer necessary to adjust a design to fit a product, we can provide you a product specifically designed for your application therefore eliminating the need for costly design changes midstream.



Alliance serves the following markets:

- Zoos & Aquariums
- Commercial Aquaculture
- Fountains & Waterscapes
- Desalination
- Industrial Process Water
- HVAC & Cooling Water Treatment
- Power Plant Cooling Water
- Drinking Water
- Food & Beverage

Products:

- Media Filters, Vertical & Horizontal
- In-line Strainers
- Piping Systems & Manifolds
- Process Treatment Vessels



Engineering & Design:

- Custom Engineered Products
- Full design drawings and calculation packages
- All products are designed to ASME Standards
- NSF 61 Certified coatings available

Manufacturing:

- ISO 9000 certified facility
- ASME Certified personnel and facility
- Over 100,000 Sq. Ft. of scalable manufacturing space
- Sub-Arc welded seams
- In House tank shell rolling
- Large stock of on hand materials
- Certified Quality & Safety programs

Capabilities:

- Diameters from 12" to 240"
- Pressure ratings up to 250 PSI
- Full code stamp capabilities
- Horizontal and vertical tank capabilities



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