

# ***VMF Series Vertical Fiberglass Multi-Media Filter***



## **Features & Specifications**

- Polyethylene inner shell (all wetted surfaces) with continuously wound fiberglass exterior shell
- 150 psi pressure rating with 4:1 safety factor
- 4" NPT top fitting for mating to PVC head
- Pneumatically actuated diaphragm valves for resistance to fouling and positive shutoff
- 3/4" Drain valves on individual vessels
- Pressure gages on filter inlet & outlet
- Air bleed valve on each vessel
- Typical 10-15 micron filtration
- PVC hub and slotted lateral underdrain for distribution at high and low flow rates
- Manual isolation valves on each vessel to allow maintenance or media changeout while system continues to operate
- Backwash flow control globe valve & flow meter to minimize backwash flow and volume while maintaining adequate backwash
- Self source backwash requires no outside backwash source or BW holding storage
- Continuous operation during backwash process
- Fully automatic operation for either self source or outside source backwash

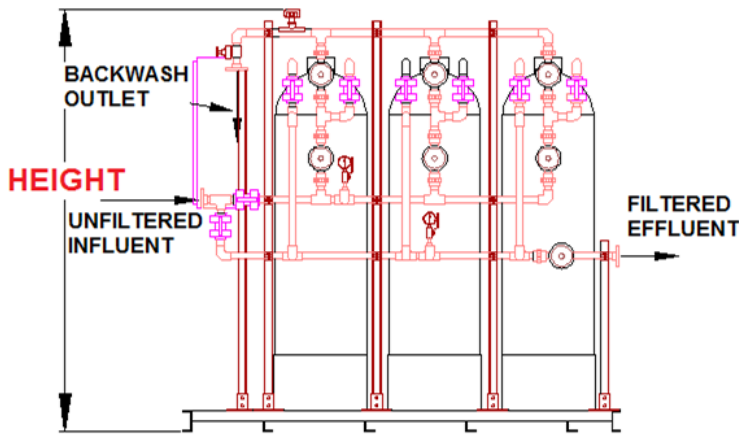
## **Applications**

- Filtering suspended solids from groundwater, wastewater, process water or drinking water
- Industrial waste or process water
- Protecting liquid GAC, activated clay or resin beds from fouling by suspended solids
- Excavation dewatering
- Precipitated iron removal
- Protecting air strippers from fouling due to suspended solids
- Drinking water tertiary filter

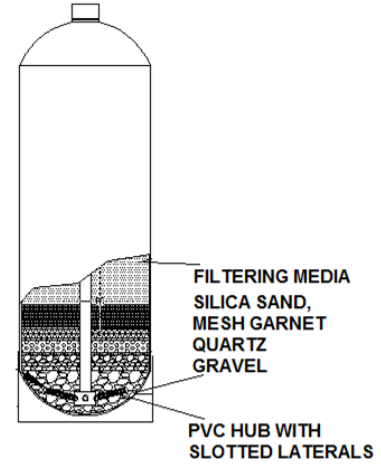


**H2K Technologies, Inc.**  
7550 Commerce St  
Corcoran, MN 55340  
Phone: 763.746.9900  
Fax: 763.746.9903  
[www.H2KTECH.com](http://www.H2KTECH.com)  
[Sales@H2KTech.com](mailto:Sales@H2KTech.com)

Model Number	Total Cross Section Area Ft <sup>2</sup>	Inlet/Outlet, BW in/out Connection size	Typical flow gpm (at 5 gpm/ ft <sup>2</sup> )	Overall Length (A)	Overall Width (B)	Overall Height (C)	Back wash flow gpm	(3) Cell Backwash accumulation @ 8 min/cell BW , gallons	Shipping Weight, including media, lbs*	Operating weight, lbs
VMF-001	1.0	1" NPT	16 gpm	6'	3'	6'-9"	13	308	1,500	2,245
VMF-001.4	1.4	1 1/4" NPT	21 gpm	6'-9"	3'	6'-9"	17	402	1,920	2,900
VMF-002	2.4	1 1/4" NPT	36 gpm	8'	3'	6'-9"	29	693	2,350	3,850
VMF-003	3.1	1 1/4" NPT	47 gpm	9'	3'-6"	6'-9"	38	905	3,260	5,200
VMF-005	4.9	2" NPT	75 gpm	11'	4'	8'	59	1,414	4,600	8,400
VMF-007	7.0	2" NPT	106 gpm	12'	4'-6"	8'	85	2,036	6,120	11,500



**FRONT VIEW**



**MEDIA CUTAWAY VIEW**



## Options

- Various piping configurations and materials
- Pressure relief assemblies, PRV or rupture disk
- Flow, pressure, level & temperature gages or transmitters
- Polypropylene filter housing for corrosive fluids
- Pressure & differential pressure switches, transmitters and gages of various types