

Mobile Media Filtration

Aquatech Mobile Solutions

Aquatech's mobile media filtration system can treat water with high suspended solids and colloids. The system can be conjured to serve various filtration requirements utilizing a variety of filtration media such as quartz sand, activated carbon, and iron removal media. The system can produce up to 800 gpm* of filtered water.



Salient Features:

- Up to 800 gpm filtered water flow
- Customizable filtration
- PLC-based automated system
- Touch screen controlled
- Optional remote monitoring available

Applications:

- Suspended solids removal
- Organic colloid removal
- TOC removal
- Iron & Manganese removal
- Tertiary treatment for wastewater
- Pretreatment for RO & demineralization

System Requirements:

- Feed water turbidity: ≤ 20 NTU
- Max feed water temperature: 100° F
- Max feed water pressure: 70 psig
- Min feed water pressure: 50 psig
- Electrical requirements: 120 VAC/1 pH/ 60 Hz

System Details:

- Trailer (L x W x H) : 53' x 8.5' x 13.5'

System Equipment Details:

- Quantity of filter vessels: 6 (5 working + 1 standby/ backwash)
- Filter vessel material of construction: carbon steel, epoxy coated
- Filter vessel size (D X H): 60" x 90" (each)
- Chemical dosing system quantity: 2
- Chemical dosing: Coagulant/diluted Polymer & sodium hypochlorite
- Chemical dosing system: 1 drum & 1 pump for each chemical
- Piping: PVC SCH 80 & CS SCH 40
- Instruments: Flow transmitter, differential pressure switch, pressure gauge

Product Water:

- System flow: up to 800 gpm*
- Turbidity: ≤ 1 NTU

*Permeate capacity depends on feed water quality

System Connections:

- Feed water: 6" flange connection
- Product water: 6" flange connection
- Backwash water: 4" flange connection
- Wastewater outlet: 4" flange connection

