



ENVI-MFT (BOWNT) FRP MEDIA FILTER TANKS DATA SHEET



Fiberglass Reinforced Plastic (FRP) Media Filter Tanks.

Manufactured by BOWNT and exclusively supplied in the US by Envirogen, Envi-MFT tanks are designed for commercial and industrial water treatment applications, including softening, deionization (DI), and filtration. These high-quality tanks combine corrosion resistance with high mechanical strength, ensuring reliable operation in demanding industrial water treatment applications.

Each tank is computer numerical control (CNC) blow-molded and reinforced with high-strength fiberglass filament for long-lasting performance:

- **Corrosion resistance:** Anti-corrosive materials used for both inner and outer layers.
- **High strength:** Greater mechanical strength than standard carbon steel tanks.
- **Skid-mounted option:** Available on larger models for easy on-site positioning.
- **Cost-effective:** Low operating costs and total costs of ownership.



DESIGN PARAMETERS

Inner Tank Material	Polyethylene
Outer Tank Materials	High-quality glass fiber reinforced plastic (GRFP) combined with epoxy resin
Tank Opening Material	Glass fiber reinforced ABS material
Flange Material	High Strength Aluminium Alloy
Tank Base Material	PP/PE/FRP
Max Working Pressure	150 PSI
Operating Temperature Range	34°F - 120°F
Testing	100,000 cycles without leakage

ORDERING GUIDE



MODEL	MFT-0817	MFT-0844	MFT-1447	MFT-3666	MFT-4872
Diameter (inches)	8	8	14	36	48
Height (inches)	17	44	47	66	72
Connection	2.5"NPT	2.5" NPT	4.5" NPT	6"FLANGE	6"FLANGE
Suggested Flow Rates (GPM)	1-2	2-8	3-20	35-120	45-300
Capacity (Cubic Feet)	0.25	1.2	3.6	30	60
Tank Head Manifold Options					
Tank Head Manifold	XWPE-50-IS-DS	XPI-25-3-SR	XTA-45-3-SR	2" Camlock	3" Camlock
Internals	RTA-DS190	RTA-DS190	RTA-ISF / RTA DDS4	YES	YES
Water - Inn Connection	3/4" Male Adapter	3/4" Male Adapter	1" Male Adapter	2" Camlock	3" Camlock
Water - Out Connection	3/4" NPT Union X Male Adapter	3/4" NPT Union X Male Adapter	1" NPT Union X Male Adapter	2" Camlock	3" Camlock
Media - Fill Connection Size	3/4" NPT With Dust Plug	3/4" NPT With Dust Plug	1.75" NPT With Dust Plug	1" Camlock	1" Camlock

Additional tank sizes up to 80" diameter are available on request. Contact your Envirogen representative for details.

TANK HEADS & INTERNALS

8" Tank Head Manifold Assemblies

- ABS 2-1/2" #thread w/ o-ring, 3/4" I/O, 1/2" riser tube, 3/4" fill cap, SS rings on I/O ports
- Includes: manifold with inlet screen, riser tube, and distribution screen



Horizontal I/O
XWPE-50-IS-DS



Vertical I/O
XPI-25-3-SR



RT Outlet Screen
A-DS190

14" Tank Head Manifold Assembly

- Glass filled Noryl 4- 1/2", #8 buttress thread w/ o-ring, 1" FPT I/O, SS rings on I/O ports, 1" FPT Fill Port
- Includes: manifold with inlet screen, riser tube, and distribution screen



Tank Head Manifold
XTA-45-3-SR



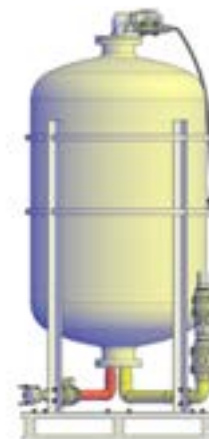
Outlet Screen
RTA-DDS4



Inlet Screen
RTA-ISF

36" & 48" SKID MOUNTED OPTIONS

Skid-mounted versions of the 36" and 48" tanks are available for easy on-site mobility. Each unit features a lightweight, corrosion-resistant aluminium skid designed for pallet jack access - ideal for fast installation, repositioning, or servicing, while also reducing manual handling risks.



ABOUT ENVIROGEN

Envirogen is a leading international provider of water and wastewater treatment solutions. We solve complex challenges relating to water availability and quality, and help our customers to increase productivity, reduce costs and meet environmental and sustainability targets.

We do this through offering:

- Best in class water and wastewater treatment and process filtration technology
- Expertise in design, project management and engineering
- World class manufacturing and servicing capability



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