



MURMAX™ Polymer Vessels

Why Polymer Vessels?

Lower O&M Cost

Lightweight polymer vessels reduce the labor needed for media handling, transport, and change-out. The flanged design simplifies access and avoids heavy equipment, confined space work, and specialized labor often required with small steel pressure vessels.

Faster On-Site Turnover

The flanged vessel connection allows for quick media removal or full-vessel exchange, minimizing system downtime during change-outs. This is especially advantageous for small and rural systems with limited staff or when maintaining continuous service is critical.

Customizable to Fit Site Constraints

Available in 12"–30" diameters and multiple height configurations, polymer vessels can be sized to match site footprint limitations, target EBCT, flow rate requirements, and change-out strategy (lead/lag, parallel, or roughing filtration).



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Call before you treat

MURMAX™

Polymer Vessels

Feature	Benefit
Flanged vessel design	Enables faster media removal or full-vessel exchange, minimizing system downtime.
Polymer construction (with optional fiberglass/carbon fiber reinforcement)	Easier handling during installation and media change-out; corrosion-resistant for long service life.
Standard drinking water pressure ratings (varies by vessel size & configuration)	Compatible with typical small system operating pressures without special fittings.
304SS or PVC underdrain and internal piping options	Chemical compatibility and durability across a wide range of treatment medias.
Lead/Lag or Roughing Filter (3-vessel) configurations	Supports increased media utilization and efficiency.
Optional weatherized or containerized system	Supports outdoor, unattended, or cold-weather operation
Fork-handling or pad-mounted options	Simplifies shipping, setup, and temporary deployments.
Rapid deployment footprint	Suitable for emergency response, temporary treatment, or permanent installation.
Media-agnostic	Supports GAC, IX and blends. Allows tailoring media strategy to water quality and life-cycle cost goals.
Operator flexibility	Sentinel can operate the system or train local staff to run it independently.