



MixMaster™ Series

Disinfection tanks



Features

- New baffle design ensures uniform mixing and exceeds health agency contact time standards
- 0.6 baffle factor* means fewer tanks to maintain 4 log treatment and 20 minutes contact time
- With a 0.6 baffle factor*, it also takes up less space
- Water exits from the top of the tank through a stainless-steel reinforced water connection
- Holes in lower water chamber allow partially mixed water to enter outer chamber

**0.6 baffle factor as tested by the Water Quality Association Test labs*



Highly effective mixing disinfection systems

The MixMaster™ series of composite baffle tanks are a superior alternative to traditional contact tanks found in many water treatment systems. MixMaster tanks utilize a patented internal baffle and diffuser system that redirects the treated water through a series of internal chambers. This unique baffle design creates turbulence which boosts the mixing of water and injected disinfectants such as chlorine or ozone, while nearly quadrupling the contact time compared with a standard contact tank. Rigorous third-party testing by the Water Quality Association have confirmed MixMaster tanks are capable of increasing water retention times by a baffle factor of 0.6. MixMaster baffle tanks, a safe and reliable way to disinfect potable water.

MixMaster tanks are suitable for a range of potable water applications including hospitals and other buildings where standardized cleanliness of drinking water is required. Typical applications include settings where primary disinfection (involving initial disinfection of water at its point of source) and residual maintenance (where water continues to be protected from downstream or future contamination) are required.

Available in 300L and 450L (80 gal & 119 gal) models, MixMaster tanks ensure uniform mixing and sufficient retention time to meet stringent contact time standards set by most health agencies, including the USEPA. Fewer tanks are required to maintain a 4-log treatment and a 20-minute contact time, meaning fewer tanks are required, less installation space is needed and quicker installation times can be achieved.

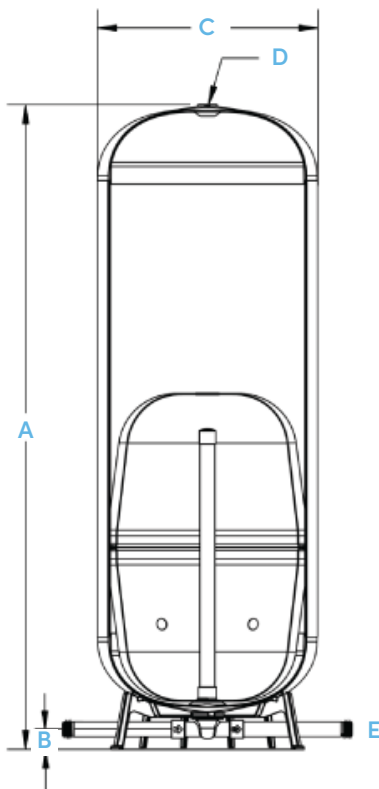
Models

| Model Number | Connection | Nominal Volume | | Dimensions (mm) | | | | Gross Weight [kg] |
|-----------------|------------|----------------|---------|-----------------|----|-----|--------|-------------------|
| | | Liters | Gallons | A | B | C | D | |
| Vertical | | | | | | | | |
| BAF 80 | 1¼" NPT | 300 | 80 | 1450 | 57 | 614 | 1¼ FPT | 28.1 |
| BAF 120 | 1¼" NPT | 450 | 119 | 1831 | 57 | 614 | 1¼ FPT | 39.0 |

Note: Minor dimensional variation may occur.

Specifications

| | |
|----------------------------|-------------------|
| Product Series Name | MixMaster™ |
| Max. Operating Temperature | 49°C / 120°F |
| Max. Operating Pressure | 6.9 bar 100 psi |



Top and bottom domes:

Injection molded copolymer polypropylene

Shell:

Extruded copolymer polypropylene

Outer shell:

Fiberglass-wound, coated with epoxy resin

Base:

Injection molded high-impact ABS

Connection:

Rigid scheduled 80 PVC (E)

Top port fitting:

Stainless steel reinforced glass filled polypropylene insert molded into the top dome (D)

Inner Baffle:

Copolymer polypropylene

Inner Standpipe:

Schedule 40 PVC with diffuser cap