

COMPOSITE STORAGE/UTILITY TANK
MIXMASTER BAFFLE TANK SERIES

Congratulations on your purchase of a Flexcon composite Baffle retention tank. Please read and understand these instructions completely before attempting installation or service of the product. Retain this manual for future reference. Please pay particular attention to safety warnings on the product and throughout this manual.



WARNING
THIS IS A SAFETY ALERT SYMBOL. IT IS USED TO ALERT YOU TO POTENTIAL PERSONAL INJURY AND PROPERTY DAMAGE. REVIEW ALL GENERAL SAFETY AND PRODUCT INFORMATION PRIOR TO INSTALLATION.



Flexcon storage/utility tanks are not designed to withstand vacuum. You must install a properly sized vacuum breaker valve if the possibility of vacuum exists in the system.



BAF80/BAF120

- WARNING** This product must be installed and serviced by a qualified professional.
- WARNING** This tank must be installed according to all local and national plumbing, well and electrical codes. Failure to do so will void the warranty and may be unsafe.
- WARNING** All tanks fail over time. This tank and the associated piping may over time corrode, deteriorate and leak. The installation must provide adequate means of drainage and be in a location where leaking or flooding will not cause property damage. **The manufacturer of this product does not accept liability for property damage that results from improper use, installation or operation of the tank or from failure to provide adequate drainage.**
- WARNING** This tank has been designed for water storage at the maximum pressure and temperature listed on the tank data label. Any installations that do or have the ability to exceed the listed ratings are **UNSAFE** and can cause serious bodily injury or death, flooding and property damage. **The manufacturer of this product does not accept liability for personal injury or death that results from improper use, installation, or operation of this tank.**
- WARNING** This tank must have an adequate means of pressure relief. A relief valve must be installed to prevent the pressure from exceeding the maximum working pressure listed on the tank data label. Please refer to local or national code requirements.
- WARNING** This product should be inspected annually by a qualified professional. If it shows any signs of leakage, corrosion or fatigue it should be replaced immediately.
- WARNING** Do not install this product in a location where it is subject to freezing temperatures. Any tank subjected to freezing temperatures must be replaced.
- WARNING** Protect this tank from exposure to a vacuum. If the possibility of a vacuum exists in the system, and adequately sized vacuum relief valve must be installed. Failure to do so will void the warranty.
- DANGER** Disconnect electrical power to the system before attempting to install, inspect or service this product. Failure to do so may result in serious bodily injury or death.
- DANGER** All of the manufacturer's products operate under pressure. Overpressurization can result in serious personal injury or death as well as serious damage to the tank and it's surroundings. Take necessary precautions to protect the tank, the environment it is in and those living and working around it.
- CAUTION** Stagnant water promotes the growth of bacteria. Potable water tanks must be drained if they are going to be left unused for extended periods of time.

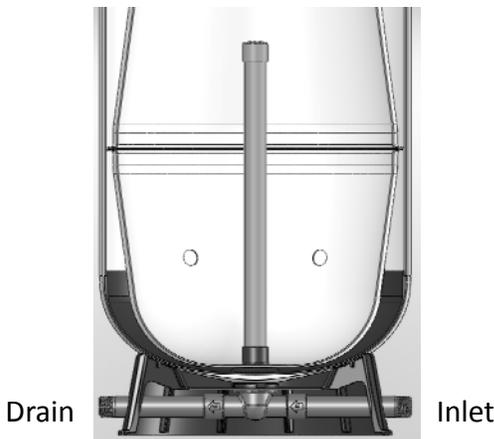
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Flexcon storage tanks have multiple possible installation configurations. The Typical Installation instructions listed below are a general guideline to proper and accepted installation practices. Please refer to accessory installation instructions for specific installation procedures.

Typical Installation

1. Turn off electrical power to pump at the control box or unplug from electrical outlet.
2. For replacement of existing tanks, de-pressurize the tank and drain the system of water before removing the tank.
3. Remove the tank from the box and inspect for any damage which may have occurred during transportation of the product. Do not install a tank that shows visible dents!
4. Install suitable fittings into the bottom connection of the tank making sure that the pipes extend sufficiently through the bottom base to make system plumbing connections. Make sure to mark the inlet pipe to ensure proper flow direction.
5. Place the tank in the desired installation location taking care to ensure that the tank is **level and stable**. To ensure maximum tank stability, the base should be fully supported.
6. Make all plumbing connections to the tank utilizing proper and accepted installation procedures.
(Note: When connecting to copper or brass sweat fittings, take proper caution to prevent the plastic tank connections from heating up and melting.)
7. Turn on the water to the system and inspect all connections to ensure that they are leak free.
8. Re-connect the power to the system pump, pressurize the tank and again inspect all connections for leaks.
9. The baffle tank is typically used as a retention tank with the water entering the bottom inlet side and exiting the top of the tank. All testing to verify contact time was done with this configuration.
10. Internal piping is 1-1/4". For **higher flow applications**, it is recommended that tanks be plumbed in parallel via a manifold to reduce pressure drop.

Note: Use PVC cleaners and glue that are suitable for plastic connections. Make sure to follow manufacturer's recommendations for use and proper ventilation.



Multiple tank piping configuration to increase contact time

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