




TANKS & BRINE TANKS

NSF 44 Tank Certification

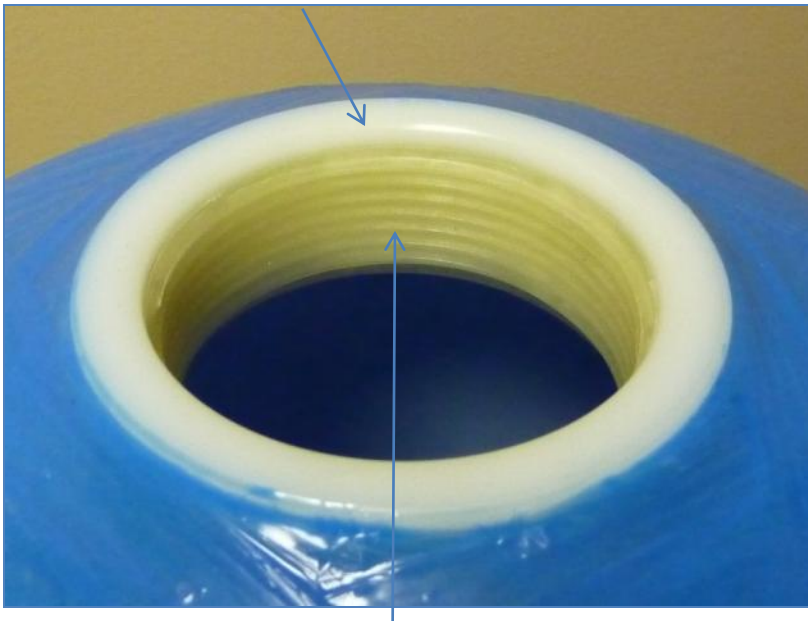
Canature tanks are certified to NSF 44 for material safety and structural performance. However the Canature quality standard goes much further to insure the highest level of performance and reliability.

 The Public Health and Safety Company.™		
Test Category	NSF 44 Standard	Canature Standard
Burst Test	4 times rated operating pressure (min. 500 psi). Hold pressure for instant with no leaks.	4 times rated operating pressure (min. 600 psi). Hold pressure for instant with no leaks.
Proof Test	2.4 times rated operating pressure (min. 300 psi). Hold pressure for 15 minutes with no leaks.	2.4 times rated operating pressure (min. 360 psi). Hold pressure for 15 minutes with no leaks.
Cycle Pressure Test	100,000 cycles from 0-150 psi. No Leaks.	250,000 cycles from 0-150 psi. No Leaks.

Tank Liners

Canature tank liners are molded from high quality, high strength engineering materials. The liner is molded over the thread resulting in no seams or joints. The control valve seals directly to the tank liner.

HDPE Liner



30% Glass Filled HDPP Thread

High Density Polyethylene (HDPE Tank Liner)

- Blow-molded HDPE with strict dimensional control. (+/- 3mm overall length)
- Seamless design, no welds or joints
- Light weight
- Good impact resistance
- High tensile strength (HDPE 4550 PSI vs. LDPE 1700 PSI)
- Low moisture absorption

High Density Glass Filled Polypropylene Threads

- High strength
- High chemical resistance
- High temperature resistance / melting point (150 to 200 degrees F)
- Abrasion Resistance
- Lightweight
- Dimensional Stability

Canature FRP Tanks

Canature tanks are manufactured with precision computer aided winding equipment resulting in a seamless leak free pressure vessel. Canature tanks offer unmatched strength, durability, and resistance to temperature and corrosion.



Operating Guidelines	
Maximum Line Pressure	150 PSI
Temperature	34-120F (1-50C)
Maximum Vacuum	140mm Hg

Canature Tank Properties

- Wound with a continuous fibreglass roving and sealed with epoxy resin.
- Corrosion and chemical resistant both inside and out
- Temperature resistant
- Low weight
- High mechanical strength
- UV resistant (colored tanks)
- Consistent height
- Residential (6" – 13" dia.)
- Commercial (14" – 24" dia.)



Canature Tank Distributor

Canature tank distributors are designed to provide evenly distributed flow at the bottom of the mineral tank. No chemicals or solvents are used to join the pipe and bottom cone.



Distributor Properties

- 1.05" high flow design
- Precision molded slots for evenly distributed flow
- Chemical / solvent free process used to bond pipe and bottom cone
- NSF approved ABS material
- Suitable for up to 16" tank applications.

Brine Tanks

Canature brine tanks are manufactured on state of the art continuous extrusion blow molders.



Brine Tank Properties

- Blow-molded HDPE tanks
- High impact resistance
- High tensile strength
- Uniform full color
- Close fitting locking lid
- Lift handles molded into tank
- Consistent dimensions
- Recessed area for custom decal
- Nest-able up to 5 tanks per package for reduced freight savings

Brine Wells & Salt Plates

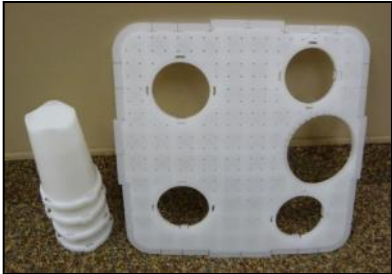
Canature brine wells are blow mold in one piece. The brine well, salt plate, and legs are injection molded.



Closed end



Brine well cap



Salt Plate & Legs



Salt Plate Assembly

Brine Well Properties

- Blow-molded HDPE
- Closed end (eliminates intrusion to the brine well)
- Injection molded cap locks into place

Salt Plate Properties

- Injection molded HDPE
- High impact strength
- Designed for space savings in shipment
- Flexible tabs for tight fit

Canature Brine Valve

Canature Brine Valves provide safe and reliable performance and are suitable for residential or light commercial applications.



Brine Valve Properties	
Rate Pressure	20-120 psi
Temperature Range	34-140F
Max. Refill Rate	1.2 gpm
Max. Draw Rate	1.0 gpm

Materials	
Main Body	ABS
Ball & Seals	Silicone Rubber (Chlorine / Chloramine Resistant)
Elbow & Nut	Nylon

Brine Valve

- Designed for proper filling or protection against brine tank over flow.
- When water level reached pre-set float height, the valve shuts the flow of water.
- Air check function prevents air from being drawn into the system during regeneration process.
- Suitable for residential or light commercial
- Positive automatic opening and closing of the valve by vacuum or pressure.
- Fast and easy float and top support height adjustment.
- Simple to disassemble