globalwater solutions USA

WATER MOVEMENT

Where Water Gets Better

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About

Global Water Solutions

About us

Global Water Solutions Ltd (GWS) is a leading global manufacturer of pressure tanks and water treatment products. Crafted from the highest quality materials, GWS products undergo rigorous testing and come with extensive warranties, ensuring durability and performance excellence. GWS products are purchased, sold, and serviced in over 100 countries by some of the most reputable water movement and water enhancement specialty product wholesalers and Original Equipment Manufacturers. A strong commitment to customer service is at the heart of the GWS offering. Its team of highly experienced technical sales and engineering staff delivers exceptional after-sales service and field support for customers.

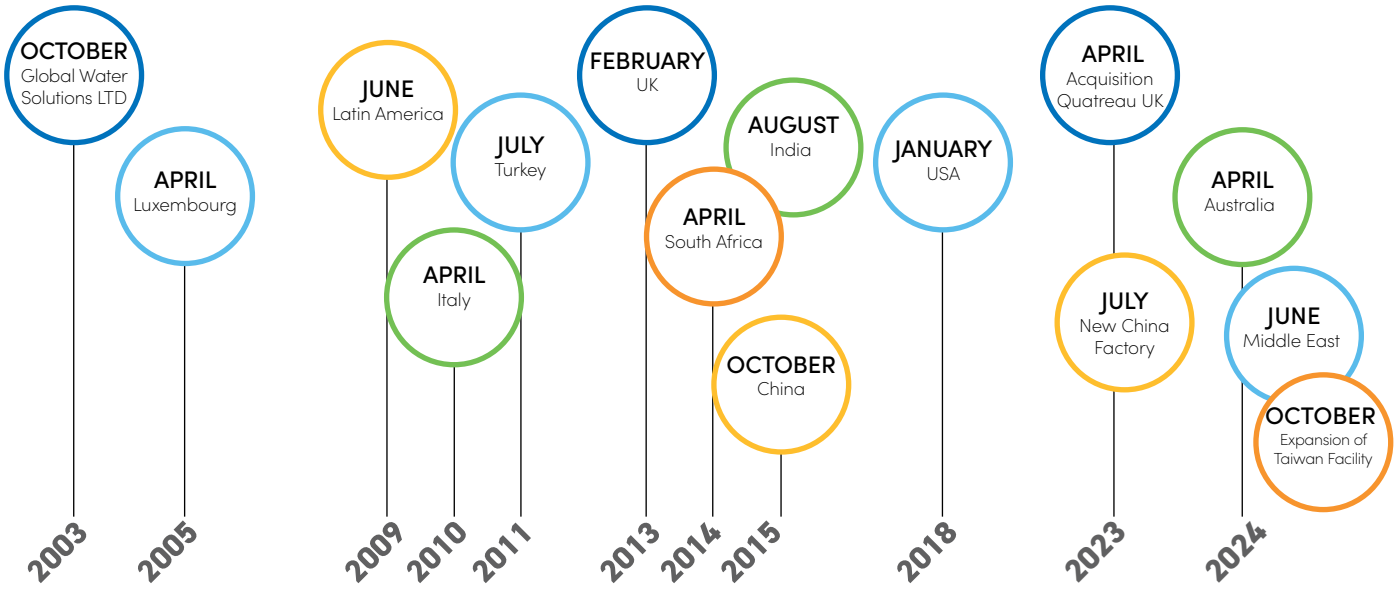
A broad product offering, and innovative product development has secured GWS' place in the market as the most comprehensive supplier of pressure tanks and water treatment products. GWS' core values prioritize delivering long-term benefits, being environmentally friendly, and remaining socially conscious when partnering with the communities the company serves. To address the growing demand for safe and abundant drinking water, GWS concentrates on delivering cutting-edge technologies for water movement and enhancement through the creation of adaptable, affordable solutions.

Our vision

We aim to be a leading solutions provider for the worldwide need of accessing, enhancing, and delivering potable clean water to improve people's lives.

Our mission

Our mission is to develop and deliver innovative products and cutting-edge technologies for the movement and enhancing of water. We strive to provide the highest quality products, world-class service, efficient supply channels, and superior value to our customers.



Our locations

- Randolph, **Massachusetts**
- Qingdao, **China**
- Taichung, **Taiwan**
- Woking, **United Kingdom**
- Weeton, **United Kingdom**
- Bradenton, Florida **(GWS USA)**
- San Pedro, **Latin America**
- Contern, **Luxembourg**
- Rubiera, **Italy**
- Boksburg, **South Africa**
- Istanbul, **Turkey**
- Busan, **South Korea**
- Delhi, **India**
- Bangalore, **India**
- Sidney, **Australia**
- Dubai, **Middle East**
- Brasilia, **Brazil**

Product Certifications

GWS is the industry leader in approvals and certifications.

We provide a wide range of sanitary and structural certifications, as well as various country-specific approvals, ensuring our products meet or exceed global standards.

Additionally, we adhere to numerous regulatory compliances related to materials, conflict minerals, labor rights & environmental sustainability, packaging materials and more.

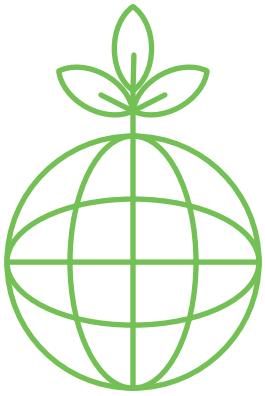
Certifications and approvals may vary by product series and/or model. Check with your GWS sales representative for more detailed information.

Energy saving solutions

Upgrade your pressure tank size and gain the following benefits:

- Substantially reduce electric power consumption by reducing small draw off pump starts, i.e., toilet flushes, washing machine fill-ups, leaks, drip irrigation, etc.
- Extend pump life by dramatically reducing wear on moving parts
- Protect against overheating damage to the pump system
- Reduce disruptive noise from unnecessary pump starts
- Eliminate pump motor burnouts and low-flow cycling
- Eliminate water hammer damage to your system's pump

Minimize your environmental footprint!



PressureWave™

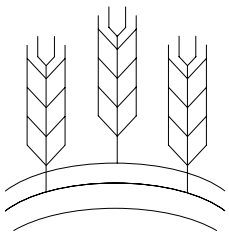
World-class pressure tanks

The PressureWave™ tank is a premium-quality, industrial-strength pressurized well tank used by top pump companies and installers around the world. PressureWave tanks are designed for a wide range of applications, including well water systems, irrigation systems, booster systems, VFD-controlled systems and water hammer arresting.

The tank's water chamber is constructed of a virgin polypropylene liner and an FDA compliant, high-grade butyl diaphragm which does not impart any taste or odor to your drinking water and keeps the water contaminant-free. The O-ring-sealed air valve cap and stainless steel patented water connection ensure no air leakage. The corrosion-free, rugged composite base and rust-resistant exterior paint finish add to the tank's longevity. This is a pre-charged, maintenance-free pressure tank which is backed by a five-year warranty and can be a direct replacement for most installations.

PressureWave tanks are quality tested at several stages on the production line to ensure the structural integrity, performance, and certification compliance of every tank. PressureWave tanks represent excellence, the best value for the investment, and are the highest quality pressure vessels available worldwide!

- Industrial-strength, robust design.
- Maintenance-free.
- Contaminant-free water chamber.
- Deep-drawn steel construction.
- Secured diaphragm prevents wear and tear with cycles.
- Patented stainless steel water connection.
- Anchorable, corrosion-free tank base.
- Reinforced connection plate on inline models.
- Durable, rust-resistant exterior paint.
- Comprehensive testing on every tank.
- Certified to NSF/ANSI/CAN 61 and 372 standards.
- 5-year warranty.

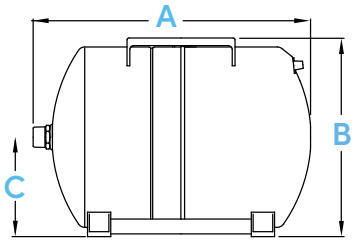


Models

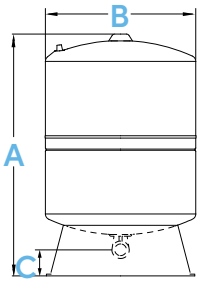
Model	Connection	Nominal Volume		Dimensions						Gross Weight	
		Gallons	Liters	A		B		C		lb	kg
				in	cm	in	cm	in	cm		
Inline											
PWN-US-8LX	3/4" NPT	2.1	8	12.3	31.3	7.9	20.2	-	-	6.3	2.8
PWN-US-18LX	3/4" NPT	4.8	18	14.4	36.6	10.9	27.9	-	-	9.0	4.1
PWN-US-35LX	3/4" NPT	9.3	35	19.0	48.2	12.5	31.8	-	-	16.2	7.4
Horizontal											
PWN-US-24LH	3/4" NPT	6.3	24	17.6	44.7	12.6	32.1	6.3	16.1	13.1	6.0
PWN-US-60LH	1" NPT	15.9	60	20.9	53.0	16.6	42.3	8.4	21.4	25.9	11.7
PWN-US-80LH	1" NPT	21.1	80	28.6	72.6	16.7	42.4	8.4	21.4	36.4	16.5
Vertical											
PWN-US-80LV	1" NPT	21.1	80	32.1	81.5	15.3	38.9	2.5	6.3	36.5	16.6
PWN-US-130LV	1" NPT	34.3	130	42.4	107.6	16.9	43.0	2.4	6.0	60.1	27.3
PWN-US-160LV	1 ¼" NPT	42.3	160	36.5	92.7	20.9	53.0	2.6	6.6	77.8	35.3

Note: Minor dimensional variation may occur.

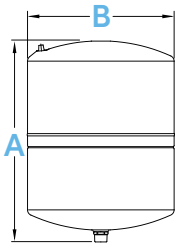
Horizontal Models



Vertical Models



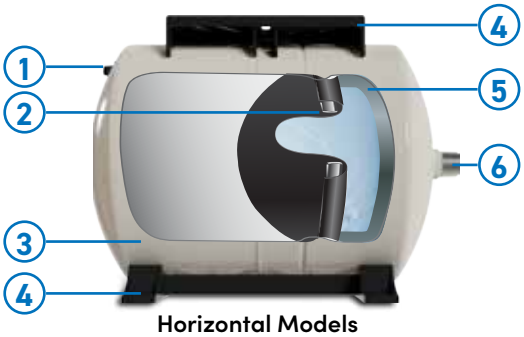
Inline Models



Specifications

Product Series Name	PressureWave™
Nominal Volumes	2 - 42 gal / 8 - 160 L
Min. Operating Temperature	14°F / -10°C (Avoid Freezing)
Max. Operating Temperature	194°F / 90°C
Max. Operating Pressure	150 psi | 10 bar
Factory Pre-charge	38 psi | 2.6 bar

1. Leak-free, O-ring sealed air valve cap
2. FDA compliant butyl diaphragm
3. Two-part polyurethane paint finish
4. Engineered thermoplastic pump stand and feet (tank base on vertical models)
5. Virgin polypropylene liner
6. Patented stainless steel water connection



Horizontal Models

PressureWave™ SF

Higher volume pressure tanks

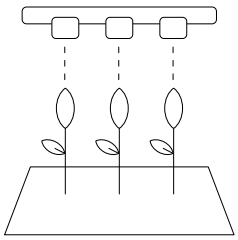
PressureWave™ SF tanks are perfectly suited for applications where higher volumes of water storage are required. These include residential, agricultural, and light commercial applications such as well systems, irrigation systems, booster systems, and water hammer arresting. PressureWave SF series range from 53-119 gallons with a maximum working pressure of 150 psi.

PressureWave SF tanks feature a robust NSF-listed replaceable membrane, providing a contaminant-free water storage chamber. The unique membrane design along with its innovative anchoring stops the membrane from collapsing and deforming during operation, providing maximum life, durability, and performance. Water enters the tank through a corrosion-free stainless steel water connection.

The brass air valve, sealed by a threaded O-ring valve cap, prevents air leaks. All internal parts, including the air valve, are rounded to inhibit piercing of the membrane in extreme conditions. To provide enhanced exterior protection from UV ray and salt spray damage, the almond-colored exterior is a two-part powder-coated polyurethane paint finish.

PressureWave SF high-volume pressure tanks are rigorously quality tested at several stages during the manufacturing process to ensure structural integrity and performance. These vessels represent the best value for the investment and are designed to serve your needs for years to come!

- Suitable for high-volume applications.
- Industrial-strength, deep-drawn steel construction.
- Maintenance-free.
- Anchored NSF-listed butyl membrane.
- Contaminant-free water chamber.
- Stainless steel water connection.
- Leak-free o-ring sealed air valve.
- Mountable, corrosion-free tank base.
- Durable, rust-resistant exterior.
- Comprehensive testing on every tank.
- Certified to NSF/ANSI/CAN 61 and 372 standards.
- 5-year warranty.

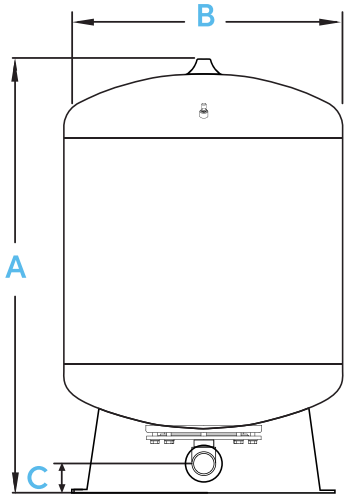


Models

Model	Connection	Nominal Volume		Dimensions						Gross Weight	
		Gallons	Liters	A		B		C		lb	kg
				in	cm	in	cm	in	cm		
SFN-US-200LV	1 ¼" NPT	52.8	200	36.8	93.5	24.0	61.0	2.5	6.4	91.5	41.5
SFN-US-240LV	1 ¼" NPT	63.4	240	41.7	106.0	24.0	61.0	2.5	6.4	104.3	47.3
SFN-US-325LV	1 ¼" NPT	85.9	325	51.6	131.0	24.0	61.0	2.5	6.4	128.5	58.3
SFN-US-450LV	1 ¼" NPT	118.9	450	68.9	175.0	24.0	61.0	2.5	6.4	159.6	72.4

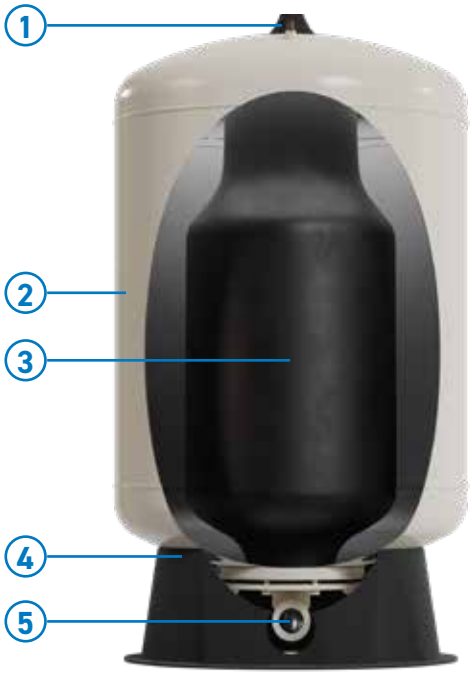
Note: Minor dimensional variation may occur.

Vertical Models



Specifications

Product Series Name	PressureWave™ SF
Nominal Volumes	53 - 119 gal / 200 - 450 L
Min. Operating Temperature	14 °F / -10 °C (Avoid Freezing)
Max. Operating Temperature	194 °F / 90 °C
Max. Operating Pressure	150 psi | 10 bar
Factory Pre-charge	38 psi | 2.6 bar



1. Leak-free, O-ring sealed air valve cap
2. Dual layer polyurethane paint finish
3. NSF-listed anchored membrane
4. Reinforced thermoplastic base
5. Stainless steel connection

HydroGuard™

Water hammer & hydraulic shock arrestors

HydroGuard™ shock arrestors are specially built with the latest diaphragm technology designed to reduce and eliminate hydraulic shock. The internal diaphragm divides the arrestor into separate air and water chambers. The sealed air chamber acts as a cushion that compresses when the water pressure suddenly increases or surges due to hydraulic shock.

HydroGuard shock arrestors are best used at the point of shock and should be installed as close to the valve or piping where the shock originates. They are ideal for washing machine and dish washer installations, sinks and toilets, reverse osmosis systems and any other plumbing application where quick closing valves or fast acting solenoid valves are installed. HydroGuard shock arrestors are certified and approved for potable water systems and are drinking water safe.

Each HydroGuard shock arrestor is quality tested at several stages along the production line to ensure the structural integrity and safety of every arrestor.

Available from 0.04 - 1.06 gal / 0.16 - 4 L.

- 10 bar pressure rating.
- High-grade butyl diaphragm.
- Adjustable pre-charged air pressure.
- Dual layer polyurethane paint finish.
- Leak-free O-ring sealed air valve.
- Comprehensive testing.
- Maintenance-free.

Accessories

Pressure Switches

Pressure Gauges

Pump Stands

Notes

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