English

globalwater
solutions ltd.

# World's Highest Quality
# Pressure Tank

EXCELLENCE
THROUGH
QUALITY

# Product Applications

Our wide product range offers a full-line of pressure vessels for different applications, pressure vessels in sizes from 0.16-10,000 liters and in 10, 16 and 25 bar pressure ratings are available to accommodate all your requirements.

- **PressureWave™ , Challenger™, SuperFlow™ & C2Lite™, FlowThru™ Series**
  Booster systems, water well systems, sprinklers, HVAC, thermal expansion, irrigation systems, water hammer arresting.
- **HeatWave™ Series**
  Hydronic expansion, boiler systems.
- **SolarWave™ Series**
  Closed loop solar systems, solar hot water expansion.
- **ThermoWave™ Series**
  Potable Water Heating Applications.
- **Ultra(Max)™ Series**
  High pressure applications (16 and 25 bar).
- **M-Inox™ Series**
  Stainless steel tanks ideally suited for special demands and environments.
- **HydroGuard™ Series**
  Water hammer arresting, plumbing applications.



# Energy Saving Solutions

## Oversize your pressure tank and get the following benefits:

- Substantially reduce electric power consumption by reducing small draw off pump starts, i.e., evaporative coolers, toilet flushes, leaks, drip irrigation, etc.
- Extend pump life by dramatically reducing wear on moving parts
- Protect against heat expansion damage to pump bodies
- Reduce noise from unnecessary pump starts
- Eliminate motor burn outs and low flow cycling
- Eliminate pump body failures due to water hammer




*Minimize your environmental footprint.*



All this with a tank that...

... requires NO maintenance (does not require regular air charge checks) and

... has the longest warranty for guaranteed reliability.

# C2-Lite CAD™ SERIES



## FEATURES

- Patented CAD-2 diaphragm technology
- Unique 3 piece construction
- Reinforced Plastic Connection
- Durable continuous strand fiberglass sealed with epoxy resin
- CE/PED, WRAS, ACS, ISO:9001 approved
- Rugged copolymer polypropylene base
- Quality brass air stem with o-ring seal
- No sweat design
- Comprehensive testing
- No maintenance

If you are looking for the proven performance of a GWS steel tank in a lightweight composite design, C2-Lite CAD™ series is the answer. Efficient and cost effective, C2-Lite CAD™ tanks are designed with the patented controlled action diaphragm design of GWS Challenger™ tanks. Unlike other composite tanks that hide tired old bag technology in a plastic shell, the patented CAD-2 diaphragm design is stronger and will not crease and wear out. It features a chlorine resistant 100% butyl diaphragm with a precision molded copolymer polypropylene liner for superior air and water separation. This patented design allows each size tank to have a properly sized water chamber matched to the drawdown performance of that tank. C2-Lite CAD™ tanks are easy to install, weather resistant and engineered to withstand even extreme environmental conditions. When it comes to performance and durability, the GWS C2-Lite CAD™ design cannot be beat.

C2-Lite CAD™ tanks are quality tested at several stages on the production line to insure the structural integrity of every tank. C2-Lite CAD™ tanks represent the best value for the investment and are the best quality composite vessels available today.

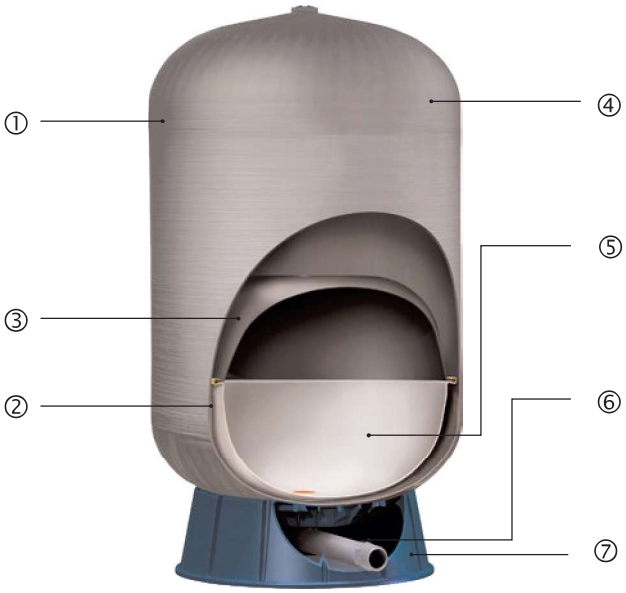
# SPECIFICATIONS

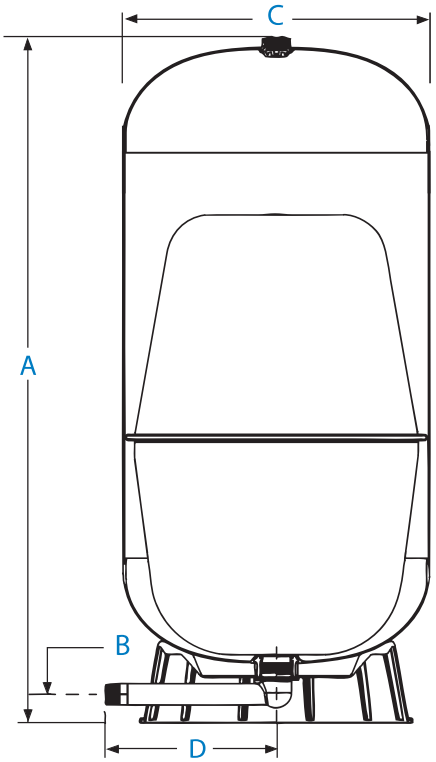
## C2-Lite CAD™ Series Models

| BSP | NTP | Nominal Volume | | Shipping (box) Volume | | Shipping (box) Weight | | Dimensions | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | A | | B | | C | | D | |
| | | liter | gal | $m^3$ | $ft^3$ | kg | lbs | cm | inches | cm | inches | cm | inches | cm | inches |
| C2B-60LV | C2N-15GV | 60 | 15 | 0.13 | 4.44 | 8.62 | 19.0 | 65.01 | 25.59 | 4.50 | 1.75 | 42.13 | 16.60 | 23.88 | 9.40 |
| C2B-80LV | C2N-20GV | 80 | 20 | 0.16 | 5.79 | 10.89 | 24.0 | 86.50 | 34.06 | 4.50 | 1.75 | 42.13 | 16.60 | 23.88 | 9.40 |
| C2B-100LV | C2N-25GV | 100 | 25 | 0.19 | 6.66 | 12.70 | 28.0 | 98.03 | 38.59 | 4.50 | 1.75 | 42.13 | 16.60 | 23.88 | 9.40 |
| C2B-130LV | C2N-35GV | 130 | 35 | 0.23 | 8.26 | 15.42 | 34.0 | 124.15 | 48.88 | 4.50 | 1.75 | 42.13 | 16.60 | 23.88 | 9.40 |
| C2B-200LV | C2N-50GV | 200 | 50 | 0.35 | 12.24 | 20.19 | 44.5 | 109.91 | 43.27 | 5.70 | 2.25 | 54.60 | 21.50 | 30.23 | 11.90 |
| C2B-250LV | C2N-65GV | 250 | 65 | 0.41 | 14.50 | 24.95 | 55.0 | 135.47 | 53.33 | 5.70 | 2.25 | 54.60 | 21.50 | 30.23 | 11.90 |
| C2B-300LV | C2N-80GV | 300 | 80 | 0.52 | 18.23 | 28.12 | 62.0 | 164.43 | 64.74 | 5.70 | 2.25 | 54.60 | 21.50 | 30.23 | 11.90 |
| C2B-350LV | C2N-90GV | 350 | 90 | 0.59 | 20.66 | 33.11 | 73.0 | 144.84 | 57.02 | 5.70 | 2.25 | 61.77 | 24.30 | 34.04 | 13.40 |
| C2B-450LV | C2N-120GV | 450 | 120 | 0.74 | 26.06 | 36.29 | 80.0 | 183.16 | 72.11 | 5.70 | 2.25 | 61.77 | 24.30 | 34.04 | 13.40 |

Max. Working Pressure 8.6 bar / 125 psi
Max. Working Temperature 49°C / 120°F
Connection C2B-60LV - C2B-130LV 1" BSP
C2B-200LV-C2B-450LV 1 1/4" BSP
C2N-15GV - C2N-35GV 1" NPT C2N-50GV - C2N-120GV 1 1/4" NPT
Please refer to tank packaging for correct factory set pre-charge information.

Note: Minor dimensional variation may occur




① Precision injection molded domes
② High-tech spin welding process
③ Patented CAD-2 controlled action diaphragm design
④ Durable continuous strand fiberglass sealed with epoxy resin
⑤ Virgin Polypropylene Liner
⑥ Reinforced Plastic Connection
⑦ Rugged base

CE ACS Approved WRAS APPROVED PRODUCT

# FlowThru™ SERIES




## FEATURES

- Patented Flow-Thru Technology for freshest water
- Available in Composite and Steel
- Patented CAD-2 diaphragm technology
- No stagnation
- Patented Watervane, total recirculation of the water
- Leak free air valve cap sealed with closed cell foam
- Comprehensive testing
- No maintenance

Global Water Solutions now guarantees the freshest water quality possible with the revolutionary Flow-Thru™ Series design, available in both composite and steel models. All Flow- Thru™ tanks feature GWS's exlusive patented Flow-Thru™ technology which assures that your system will provide the freshest water quality possible by simply eliminating stagnation!

The Flow-Thru™ connection diverts system water into, and more importantly out of the tank while the pump is running. This constant flushing action assures that the water in the tank remains as fresh as possible and eliminates the possibility of stagnant water during normal system operation.

Both our steel and composite Flow-Thru™ tanks incorporate our proven patented controlled action diaphragm (CAD-2). CAD-2's steel clench ring regulates movement and prevents the diaphragm from rubbing against the tank wall.

Flow-Thru™ is also the ideal solution for constant pressure water system installers seeking to store water without the risk of stagnation.

Flow-Thru™ tanks are quality tested at several stages on the production line to insure the structural integrity of every tank. Flow-Thru™ tanks represent the best value for the investment and are the best quality Flow-Thru™ vessels available today.

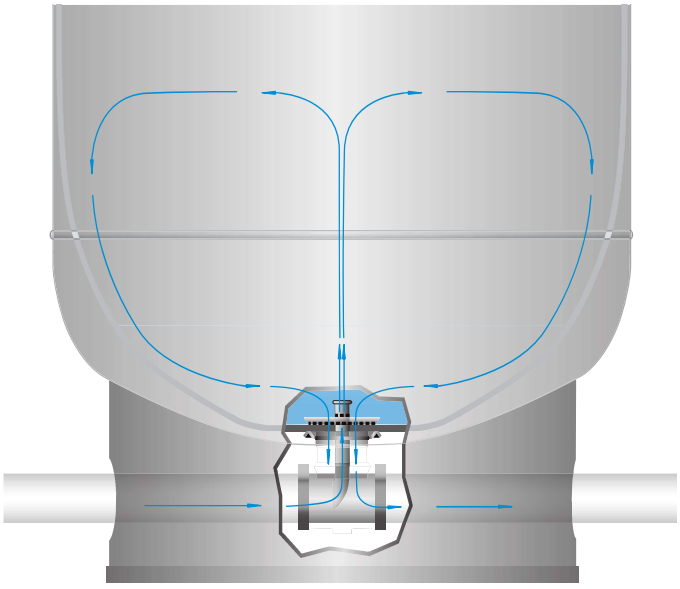
# SPECIFICATIONS

## FlowThru™ Series Models

| BSP | NPT | Nominal Volume | | Shipping (box) Volume | | Shipping (box) Weight | | Dimensions A | | Dimensions B | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | liter | gal | $m^3$ | $ft^3$ | kg | lbs | cm | inches | cm | inches |
| **Steel Models** | | | | | | | | | | | |
| GFU-80LV | GFU-80LV | 80 | 20 | 0.13 | 4.74 | 15.20 | 33.5 | 73.56 | 28.96 | 40.69 | 16.02 |
| GFU-170LV | GFU-170LV | 170 | 45 | 0.29 | 10.14 | 29.26 | 64.5 | 94.33 | 37.14 | 52.96 | 20.85 |
| GFU-325LV | GFU-325LV | 325 | 85 | 0.54 | 18.93 | 53.52 | 118.0 | 114.94 | 44.25 | 66.03 | 26.00 |
| **Composite Models** | | | | | | | | | | | |
| CFB-60LV | CFN-15GV | 60 | 15 | 0.13 | 4.44 | 8.60 | 19.0 | 65.00 | 25.60 | 42.13 | 16.59 |
| CFB-80LV | CFN-20GV | 80 | 20 | 0.16 | 5.53 | 10.90 | 24.0 | 86.51 | 34.06 | 42.13 | 16.59 |
| CFB-150LV | CFN-40GV | 150 | 40 | 0.32 | 11.45 | 15.90 | 35.0 | 77.44 | 30.49 | 61.77 | 24.32 |
| CFB-200LV | CFN-50GV | 200 | 50 | 0.34 | 11.95 | 20.20 | 44.5 | 109.91 | 43.27 | 54.56 | 21.48 |

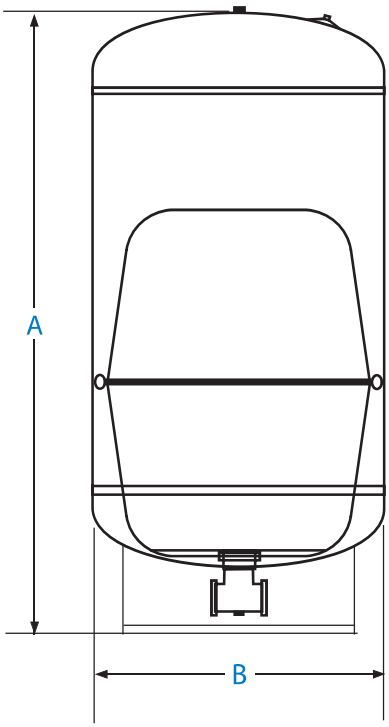
System Connection: 1 1/4" BSP / NPT
Max. Working Pressure 8.6 bar / 125 psi
Max. Working Temperature 90°C / 194°F°F (steel) ; 49°C / 120°F (composite)
Please refer to tank packaging for correct factory set pre-charge information.

Note: Minor dimensional variation may occur



Flow-Thru™ technology assures total recirculation of the tank's water content.

Patented watervane flushes water through the tank eliminating the possibility of stagnant water.




CE ACS Approved WRAS APPROVED PRODUCT