

Takes the expansion. Protects the system.

The GWS HeatWave™ HWB-130LV is a 130 litre vertical expansion vessel for closed-loop heating systems. As water heats up it expands; the vessel's air-charged chamber absorbs that extra volume, holding system pressure steady and keeping it away from the relief valve. A high-grade butyl diaphragm separates water from air, and the rigid base stands the vessel on the floor with no wall bracket needed. Built to the same standards as GWS PressureWave™ and Challenger™ tanks.



130 L

NOMINAL VOLUME

6 bar

MAX PRESSURE

99 °C

MAX TEMPERATURE

1.5 bar

FACTORY PRE-CHARGE

1" BSPP

CONNECTION

KEY FEATURES

- High-grade butyl diaphragm separates water and air
- Chromed steel water connection with welded hex nut
- Brass air valve with O-ring sealed cap — leak-free, service-free
- Two-part polyurethane finish over epoxy primer
- Rigid base for freestanding vertical installation
- Quality tested at several stages of production
- Suitable for propylene glycol mixes up to 50%

IDEAL FOR

- Sealed central heating systems
- Larger domestic and light commercial boiler plant
- Heat pump and hydronic heating circuits
- Closed loops with glycol antifreeze

WHAT'S INCLUDED

- HWB-130LV vessel on integral base
- Factory pre-charged to 1.5 bar

Heating only — not for drinking water. HeatWave™ vessels are for closed-loop, non-potable systems. Do not install on potable, open-loop or booster systems, or where fresh water is used as a regular top-up. For drinking-water boosting use a GWS PressureWave™ or Challenger™ vessel.

VESSEL	
Series	GWS HeatWave™
Model	HWB-130LV
Type	Vertical, freestanding
Nominal volume	130 L / 34.3 US gal
Connection	1" BSPP
Factory pre-charge	1.5 bar / 22 psi
Max operating pressure	6 bar / 87 psi
Max temperature	99 °C
Min temperature	-10 °C (avoid freezing)

MATERIALS & DIMENSIONS	
Diaphragm	High-grade butyl
Water connection	Chromed steel, welded hex nut
Air valve	Brass, O-ring sealed cap
Finish	Two-part polyurethane over epoxy primer, grey
Height (A)	958 mm
Diameter (B)	430 mm
Dimension C	60 mm
Gross weight	18.9 kg

APPLICATION LIMITS	
System type	Closed-loop, non-potable hydronic heating only
Antifreeze	Propylene glycol up to 50% — avoid ethylene glycol
Not suitable for	Potable water, open-loop systems, regular fresh-water top-up
Temperature range	-10 °C to +99 °C
Pressure	Up to 6 bar operating

HEATWAVE™ VERTICAL RANGE						
Model	Volume	Connection	A mm	B mm	Weight	
HWB-60LV	60 L	¾" BSPT	619	389	10.5 kg	
HWB-80LV	80 L	¾" BSPT	815	389	14.3 kg	
HWB-100LV	100 L	1" BSPP	805	430	19.5 kg	
HWB-130LV	130 L	1" BSPP	958	430	18.9 kg	
HWB-150LV	150 L	1" BSPP	938	530	34.0 kg	

Installation notes. Check the pre-charge with the vessel empty and set it to the system's cold fill pressure before filling. Connect to the closed heating circuit only, and stand the vessel on its base on a level floor that can take its filled weight. Minor dimensional variations may occur — check against the delivered vessel before final pipework.