



WaterBoos

AWBH-450LH Horizontal Accumulator

450 L horizontal accumulator vessel — stronger flow at peak times, no pump, no power

Part No. AWBH-450LH

Get in touch



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IN STOCK · FAST DISPATCH

450 litres of stored flow. Lies down to fit the loft.

The WaterBoost AWBH-450LH is the largest horizontal accumulator in the range — a WRAS-approved 450 litre vessel on saddle feet for lofts, eaves and low-headroom plant rooms. It stores mains water under pressure and releases it the moment a tap opens: 270 litres of full-pressure flow per charge, then a silent refill from the mains. No pump, no electricity, no maintenance.



450 L

Vessel capacity

270 L

Usable per charge

10 bar

Max working pressure

662 mm

Diameter

WRAS

Approved

KEY FEATURES

- 450 L capacity — 270 L usable on the 60% rule
- Horizontal — 662 mm high on the vessel, lies along the joists
- Two showers for ~11 min, or three for ~7.5 min, at 12 L/min
- Diaphragm design — air charge never touches the water
- 10 bar maximum working pressure
- WRAS approved for potable water
- No pump, no power, completely silent
- Maintenance free — pre-charge checked with a tyre gauge
- Pair with the ACF1 charge pump if static mains is under 2 bar

WHAT'S INCLUDED

Vessel

450 L horizontal accumulator, WRAS approved, diaphragm type

Feet

WestaFlex saddle feet

Charge

Factory pre-charged, Schrader valve for checking and top-up

IDEAL FOR

- 4–5 bedroom homes and multiple bathrooms in use together
- Lofts, eaves and cupboards where a 1.8 m upright won't stand
- Shared supplies that drop at peak times
- Adding flow without adding a pump or noise

VESSEL — 450 L horizontal accumulator

Capacity	450 litres
Usable output	270 litres per charge (60% rule)
Type	Diaphragm accumulator
Orientation	Horizontal on saddle feet
Max working pressure	10 bar
Approval	WRAS approved — potable water
Length	1,822 mm
Diameter	662 mm (plus feet)
Water when full	450 kg plus vessel

INSTALLATION

Connection	Direct to incoming cold main
Min mains pressure	2 bar static (resting)
Under 2 bar	Add WaterBoost ACF1 or ACW1 charge pump
Power	None required
Noise	Silent
Maintenance	None — check pre-charge periodically
Access	Fits a 762 mm doorway; check hatch against 662 mm
Loft install	Confirm joist loading for the filled weight

SYSTEM OVERVIEW

Part number	AWBH-450LH
Range	WaterBoost horizontal accumulators — 150, 200, 250, 300 and 450 L
Availability	In stock — contact us for delivery timescales
Suited to	4–5 bedroom homes · multiple bathrooms · shared supplies · loft and low-headroom installs
Performance	Orientation makes no difference — same output as a vertical vessel of the same capacity
Supplied by	Anglian Pumping Services — established 1975

HOW IT WORKS

- 1 The vessel connects to the mains and fills automatically; the diaphragm compresses the air charge, storing energy as pressure
- 2 Open a tap or shower and stored water discharges immediately at full pressure — strong flow from the first second
- 3 Demand stops and the mains quietly refills the vessel. No pump, no controls, nothing to service

Sizing. Multiply vessel size by 0.6 for usable litres, then divide by total flow to find duration. 270 L at two showers of 12 L/min is about 11 minutes of boosted flow; three showers, about 7.5 minutes. An accumulator boosts flow, not pressure — if static mains is under 2 bar, pair it with a WaterBoost charge pump.

RANGE SIZING

1–2 bed	150 L · 90 L usable
2–3 bed	200 / 250 L · 120 / 150 L
3+ bed	300 L · 180 L usable
4–5 bed	450 L · 270 L usable

Usable figures are approximate and depend on charge and mains pressure.

Established 1975
In stock
Fast dispatch