



WaterBoost

WB-INT Slimline 500 Variable Speed

500 Litre Slimline Internal Pump Boosting System

Part No. 2409310 · DAB Eskybox Diver Variable Speed **REV B**

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waterboost.co.uk

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500 L	100 L/min	5 bar	700 mm	1500 mm	3 yr	5 yr	WRAS
TANK CAPACITY	MAX FLOW	MAX PRESSURE	TANK DIA.	TANK HEIGHT	PUMP WARRANTY	TANK WARRANTY	TANK & PUMP

OVERVIEW

The WaterBoost WB-INT Slimline 500 Variable Speed is a pre-built cold water boosting system designed for properties with low mains pressure or flow. The 500 litre WRAS-approved tank stores cold water at atmospheric pressure, while the DAB Eskybox Diver variable speed pump is housed inside the tank, delivering boosted flow to all outlets at up to **100 L/min at up to 5 bar**. At 700 mm wide and 1500 mm high it is suited to larger properties and is perfectly suited to 3–5 bedroom homes.

The system is supplied with a PWB-2LX expansion vessel and brass tee for fitting into the outlet pipework on site — see installation notes on page 2.



WB-INT Slimline 500

KEY FEATURES

- 500 litre WRAS-approved slimline tank — 5 year warranty
- DAB Eskybox Diver variable speed pump — 3 year warranty
- 700 mm Ø × 1500 mm H
- Fully pre-built and ready to install
- Ideal for under stairs, garages and utility rooms
- Up to 100 L/min at up to 5 bar — suits 3–5 bedroom homes
- Internal pump — compact, self-contained unit
- Wi-Fi connectivity (DConnect app)
- Voice control via Google Home / Alexa
- Dry-run protection built in
- PWB-2LX expansion vessel supplied to stabilise pressure and damp pump cycling on small draw-offs
- Supplied with float valve and Bylaw 30 kit

WHAT'S INCLUDED

- 500 L WRAS approved slimline blue tank
- DAB Eskybox Diver variable speed pump with pre-fitted plug
- 3/4" ball float valve and float
- 1" pre-fitted tank outlet
- Bylaw 30 kit
- PWB-2LX expansion vessel with brass tee — supplied loose, installer-fitted

IDEAL FOR

- 3–5 bedroom homes with low mains pressure
- Properties with limited floor space
- Under stairs, garage or utility room installations
- New builds and retrofit installations
- Shared supply or low-flow mains connections

TECHNICAL SPECIFICATIONS

Part number	2409310
Tank capacity	500 litres
Tank diameter	700 mm
Tank height	1500 mm
Tank material	HDPE (WRAS approved)
Tank colour	Blue
Tank warranty	5 years

Pump	DAB Eskybox Diver
Max flow	100 L/min
Max pressure	5 bar
Connection	1" BSP
Power supply	230V / 50Hz
Pump warranty	3 years
Pump IP rating	X4
Display	Wi-Fi (DConnect app)
Expansion vessel	PWB-2LX — supplied loose
WRAS approved	Yes



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Installation and system overview

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SYSTEM OVERVIEW — HOW IT WORKS

1 Mains water fills the tank

Cold water from the mains flows into the 500 litre slimline tank via the ball float valve, filling it to atmospheric pressure. The tank acts as a buffer reservoir.

2 Pump draws from tank

When a tap or shower opens, the DAB Eskybox Diver variable speed pump — housed inside the tank — detects the demand and draws water from the tank, boosting it to the set pressure.

3 Variable speed delivers consistent pressure

The Eskybox Diver adjusts its speed to maintain constant pressure regardless of how many outlets are open simultaneously — no pressure surges or drops (up to max 100 L/min).

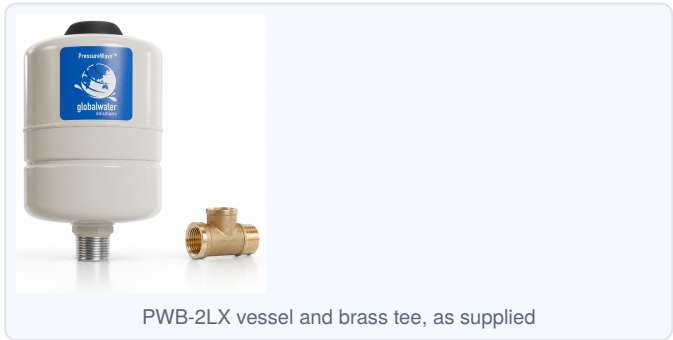
4 Expansion vessel stabilises small draw-offs

The PWB-2LX vessel, fitted into the outlet pipework, holds a small charge of pressurised water so brief or low-volume demands are met without starting the pump — reducing start/stop cycling.

5 Tank refills automatically

As the pump draws from the tank, the ball float valve opens and mains water refills the tank continuously, ensuring a constant supply.

EXPANSION VESSEL — INSTALLATION



- The vessel is **supplied loose and must be fitted on site** — it does not arrive connected to the system.
- Fit it into the **outlet (delivery) pipework** using the supplied brass tee, as close to the pump discharge as practical.
- Do not fit the vessel on the mains inlet side of the tank.
- Check and set the vessel pre-charge to suit the pump pressure setpoint, with the system depressurised, before commissioning.

SIZING GUIDE

Bedrooms	3–5
Typical demand	Up to 5 outlets simultaneously
Flow per shower	8–12 L/min
Min mains pressure	0.5 bar static (tank gravity-fills)
Usable volume	500 litres