



WaterBoost



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ATX-300

300 Litre Whole-House Mains Pressure Booster

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Part No. **ATX-300**

45 L/min

Peak burst flow

3.2 bar

Max pressure

180 L

Useable capacity

40 dB(A)

Noise level

WiFi

DConnect app

5 / 3 yr

Tank / pump warranty

OVERVIEW

The WaterBoost ATX-300 is the second-largest all-in-one whole-house mains pressure booster in the ATX range. It connects directly to the incoming cold water mains and combines a 300-litre sealed accumulator vessel with a variable speed inverter pump in a single compact unit — automatically boosting both pressure and flow the moment a tap opens.

Peak burst flow of up to 45 L/min, sustained 27 L/min at 3.2 bar for up to 11 minutes. No break tank, no overflow, just 2 water connections. WiFi via the DConnect app for remote monitoring.

KEY FEATURES

- Variable speed inverter — only boosts the shortfall
- 300 L sealed vessel · 180 L useable capacity
- Fully sealed — zero air contact with stored water
- No break tank, no overflow — just 2 connections
- Multi-directional ports — connect from left or right
- Quiet operation — rated 40 dB(A)
- WiFi · DConnect app · on-unit HMI display
- Dry run protection + anti-seize function
- 30-second pump swap via 2-clip dock
- WRAS approved — potable water suitable
- Completely maintenance free

WHAT'S INCLUDED

Unit:	ATX-300 — pump & vessel pre-assembled
Bypass:	Integral 2-clip maintenance bypass
Control:	On-unit HMI + WiFi DConnect app
Guide:	Installation & maintenance manual

TECHNICAL SPECIFICATIONS

Model	ATX-300
System type	Integrated accumulator booster
Accumulator capacity	300 L total · 180 L useable
Peak burst flow	Up to 45 L/min
Sustained flow	27 L/min @ 3.2 bar · 11 min
Continuous flow	12 L/min @ 3.0 bar
Max pressure	3.2 bar
Pump type	Variable speed inverter
Noise level	40 dB(A)
Water connections	2 × ¾" BSP male multi-dir.
Connectivity	WiFi · DConnect app · HMI
Sealed system	Yes — no overflow required
Dry run protection	Built in
Anti-seize function	Automatic
Maintenance bypass	2-clip · < 30 seconds
Approval	WRAS approved
Warranty	5 yr tank · 3 yr pump

IDEAL FOR

- 3–5 bedroom homes with two or more bathrooms
- Properties with extended simultaneous demand
- Combi-boiler and unvented hot water cylinder systems
- Where a sealed, hygiene-managed circuit is required





HOW IT WORKS — TWO-PHASE OPERATION

PHASE 1 — STORED VOLUME

Instant high-flow boost

27 L/min @ 3.2 bar

Sustained for up to 11 minutes

Delivered directly from the pre-charged accumulator vessel the moment an outlet opens. Sufficient for two or more showers running simultaneously in high-demand properties.

PHASE 2 — CONTINUOUS MAINS

Sustained boosted flow

12 L/min @ 3.0 bar

Continuous — no drop-off

Once stored volume is used, the pump continues to boost directly from mains. When demand stops, the vessel recharges automatically ready for the next burst.

- 1 Cold mains feeds directly into the ATX — no break tank or loft tank required.
- 2 A pressurised 300 L accumulator stores water ready to release the instant an outlet opens.
- 3 The variable speed pump monitors mains pressure and adds only the shortfall to reach target.
- 4 After the stored volume is used, the system continues boosting from mains until demand ends.
- 5 With demand stopped, the accumulator recharges automatically — ready for the next burst.

ENERGY EFFICIENCY — ONLY BOOSTS THE SHORTFALL

Variable speed inverter technology continuously measures incoming mains pressure and produces only the additional pressure needed to hit the 3 bar target. When mains pressure is already high, the pump works less. When mains pressure drops, the pump compensates — automatically and instantly.

Mains: 1.0 bar

Pump adds 2 bar

Mains 1 bar

Mains is low — the pump does **more** of the work to reach 3 bar.

Mains: 1.5 bar

Pump adds 1.5 bar

Mains 1.5 bar

Balanced — pump and mains share the load equally to hit target.

Mains: 2.0 bar

Pump adds 1 bar

Mains 2 bar

Mains is strong — the pump runs lightly, saving energy.





ATX RANGE — SIZE GUIDE

Model	Capacity	Useable	Peak flow	Sustained flow	Best for
ATX-150	150 L	90 L	45 L/min	18 L/min @ 3.2 bar · 11 min	1–2 bed homes · entry-level
ATX-200	200 L	120 L	45 L/min	22 L/min @ 3.2 bar · 11 min	2–4 bed · single bathroom
ATX-250	250 L	150 L	45 L/min	24.5 L/min @ 3.2 bar · 11 min	3–4 bed · mid-range
ATX-300	300 L	180 L	45 L/min	27 L/min @ 3.2 bar · 11 min	3–5 bed · extended demand
ATX-450	450 L	270 L	45 L/min	36 L/min @ 3.2 bar · 11 min	4+ bed · highest capacity

★ Highlighted row = ATX-300 (this product). Flow rates are dependent on incoming mains supply. All sizes available at waterboost.co.uk.

SEALED SYSTEM ADVANTAGE

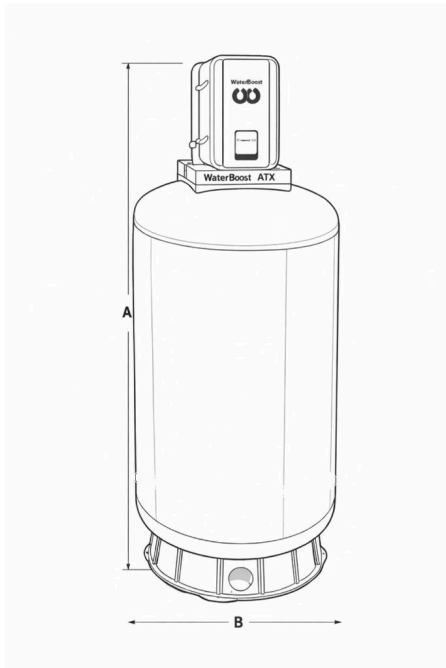
Open break tank system

- ✗ Open water surface — air, dust and debris can enter
- ✗ Requires periodic tank cleaning and inspection
- ✗ Overflow pipe required — ongoing hygiene risk
- ✗ Static water — Legionella risk management may apply
- ✗ Fixed pump output regardless of mains conditions

WaterBoost ATX-300

- ✓ Fully sealed vessel — zero air contact with water
- ✓ No open surface, no dust or debris ingress
- ✓ No overflow pipe required
- ✓ WRAS approved — no hygiene management needed
- ✓ Variable speed — only generates the pressure shortfall
- ✓ Maintenance free — no filters, no service visits





WaterBoost ATX-300

Integrated variable-speed pump and 300 L sealed accumulator vessel in a single compact unit. Direct mains connection — 2 water connections, no overflow.

KEY DIMENSIONS

A — Overall height	1783 mm
B — Vessel diameter	534 mm
Water connections	2 × ¾" BSP male · multi-directional
Shipping weight (empty)	~62 kg
In-service weight (filled)	~362 kg

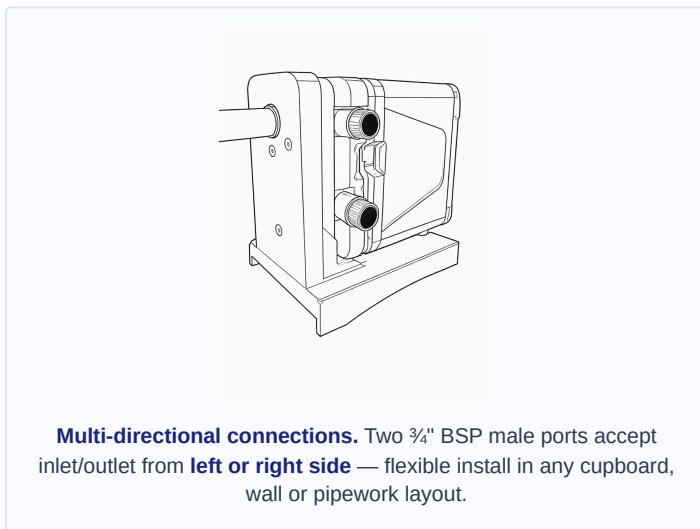
INSTALLATION CLEARANCE

Above unit (pump access)	150 mm min
Front (dock + bypass access)	300 mm min
Each side	50 mm min

ATX RANGE — A / B

Model	A (Height)	B (Diameter)	Full kg
ATX-150	1209 mm	532 mm	192
ATX-200	1326 mm	532 mm	248
ATX-250	1498 mm	534 mm	304
ATX-300	1783 mm	534 mm	362
ATX-450	1822 mm	662 mm	534

NOTE: All dimensions in millimetres. Filled weights are approximate (vessel capacity × 1.0 kg/L + empty weight). Confirm floor loading before installation.



Multi-directional connections. Two ¾" BSP male ports accept inlet/outlet from **left or right side** — flexible install in any cupboard, wall or pipework layout.

