

Buffer tank

BT-HP

30 | 50 | 80 | 100 Litres



STRATMAX™

The patented solution to
enhance efficiency

Buffer tank

BT-HP 30 | 50 | 80 | 100 Litres

Compact in design, powerful in performance!

Thanks to their compact size, BT-HP buffer tanks can be installed almost anywhere. A particular advantage is that they can be mounted on the wall or placed on the floor. The patented STRATMAX bypass pipe optimises the hydraulics of modern heat pump systems and ensures maximum efficiency throughout the entire heating circuit.

PRODUCT BENEFITS

- **Optimised system hydraulics:**
Maximum energy efficiency thanks to the patented STRATMAX bypass pipe
- **Wide operating temperature range:**
Reliable operation at high and low temperatures
- **Hydraulic safety:**
Ensures the minimum flow rate of the heat pump
- **Efficient defrost support:**
Supplies energy during the heat pump's defrost cycle
- **Cooling in summer:**
More efficient hot water tank during the cooling season
- **Uniform system design:**
Complete range with 30, 50, 80 and 100 litre capacities in a single design
- **Flexible installation options:**
wall-mounted or floor-standing (wall mounting bracket and feet included)
- **Gentle system operation:**
Minimises cycling and extends the service life of the heat pump



BT-HP 30

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TECHNICAL SPECIFICATIONS

- Energy efficiency class B: future-proof and ERP2-compliant
- Max. operating pressure 4 bar
- Max. operating temperature 95 °C
- Connections 4x 1 1/2" for 30 to 100 L
- Manual vent fitted at the factory
- Sensor tube for temperature sensor at the top

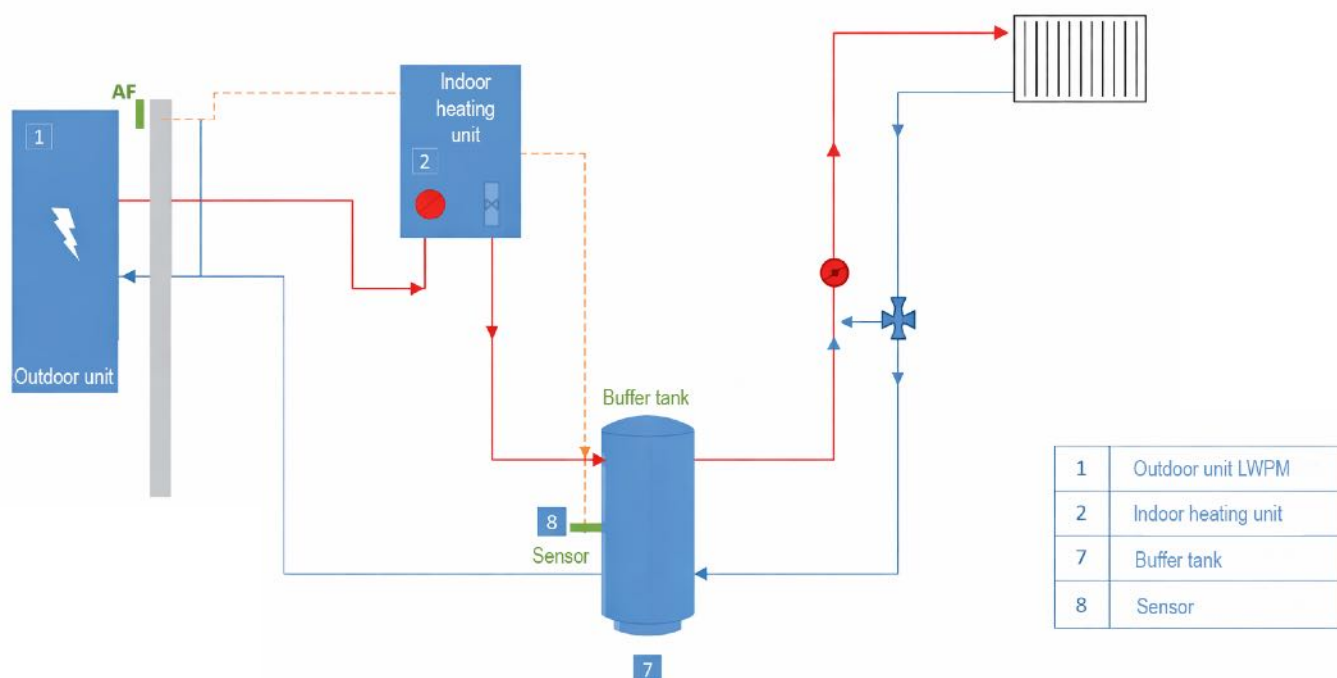


BT-HP 50

BT-HP 80

BT-HP 100

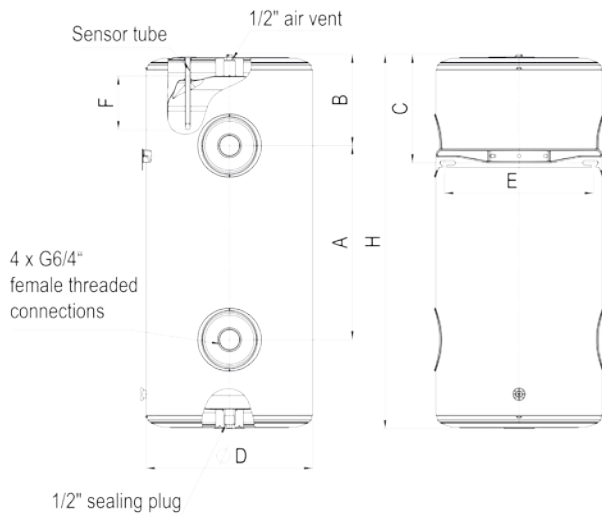
PRINCIPLE DIAGRAM



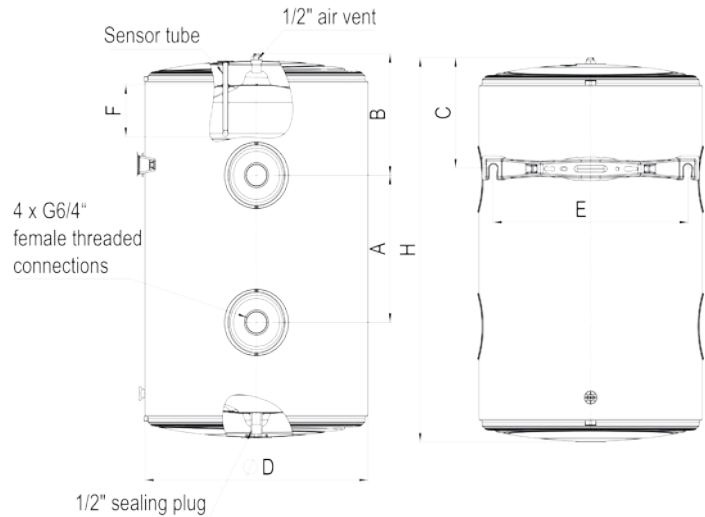
Technical specifications

BT-HP_{30 | 50 | 80 | 100} Liter

BT-HP 30 & 50 L



BT-HP 80 & 100 L



Type		BT-HP 30	BT-HP 50	BT-HP 80	BT-HP 100
Article No.		A 344 89	A 344 90	A 344 91	A 344 92
Dimension (A)	mm	156	443	319	481
Dimension (B)	mm	201	201	249	249
Dimension (C)	mm	169	241	226	287
Dimension (D)	mm	380	380	505	505
Dimension (E)	mm	340	340	440	440
Dimension (F)	mm	155	155	155	155
Dimension (H)	mm	568	855	832	990
Operating pressure	bar	max. 4			
Thermal insulation		PU foam			
Weight / unit	kg	11,4	14,8	21,5	25,3
Minimum order quantity		18 pcs. / 1 pallet	12 pcs. / 1 pallet	8 pcs. / 1 pallet	8 pcs. / 1 pallet -
Heat loss	W	32	39	42	47
Energy efficiency class		B	B	B	B

The patented solution to enhance efficiency

STRATMAX™

Greater efficiency. Greater performance. A brighter future!

STRATMAX isn't just a pipe – it's the turbo boost for any heat pump system. Designed to minimise energy loss and significantly boost efficiency, it sets new standards in modern heating technology.

Why STRATMAX is a game-changer:

- **Reduces the temperature difference between the heat pump flow and the heating circuit flow.**

A smaller temperature difference means less work for the heat pump – and therefore lower electricity consumption. The system runs more quietly, more efficiently and is particularly energy-saving.

- **Increases the coefficient of performance (COP) of the heat pump**

Every percentage point counts. STRATMAX ensures that the heat pump operates under optimal conditions.

The result: Noticeably better performance figures and lower running costs.

- **Intelligent bypass pipe for discharging excess heat**

High temperatures? No problem. The integrated bypass pipe discharges excess heat in a controlled manner via the buffer tank. This protects the heat pump, stabilises the system and extends its service life.



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