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a brand of Groupe Atlantic

Heat pump-buffer tank

WPPK 301/100 B

THE
ALL-IN-ONE
SOLUTION

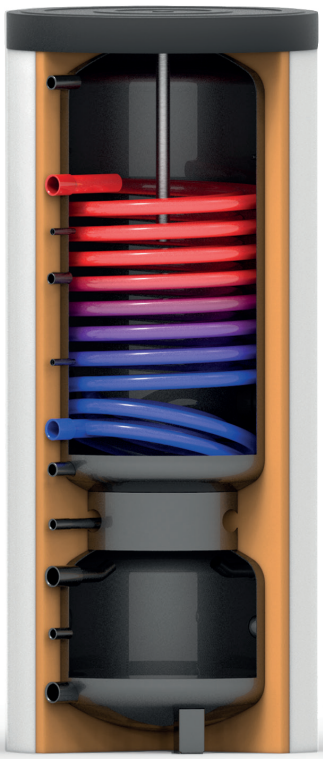
Heat pump-buffer tank

WPPK 301/100 B

The combination of buffer tank and domestic hot water tank in one appliance: The WPPK 301/100 B is particularly suitable in conjunction with a heat pump and offers many advantages.

PRODUCT ADVANTAGES

- Domestic hot water tank and buffer cylinder in one appliance, hydraulically separated
- Very space-saving at the installation site
- Suitable for heating & cooling operation of the heat pump
- Reduced cycling - longer service life of the heat pump
- The integrated 1’ double heat exchanger ensures shorter heat-up times
- The integrated stratified pipes ensure efficient buffer operation



TECHNICAL DATA

- Enamelled according to DIN 4753-3
- max. operating pressure [bar]:
  - Heat exchanger 16 bar
  - Drinking water 10 bar
  - Buffer tank 3 bar
- Max. operating temperature [°C]:
  - Heat exchanger 130°C
  - DHW 95°C
  - Buffer tank 110°C
- Height-adjustable feet
- Inspection opening with flange
- Guarantee of minimum flow rate in the heating circuit

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TECHNICAL DATA

Type		WPPK 301/100 B
Heat exchanger surface	m^2	3,2
Diameter with insulation	mm	760
Height with insulation	mm	1605
Tilt dimension	mm	1836

Domestic hot water tank

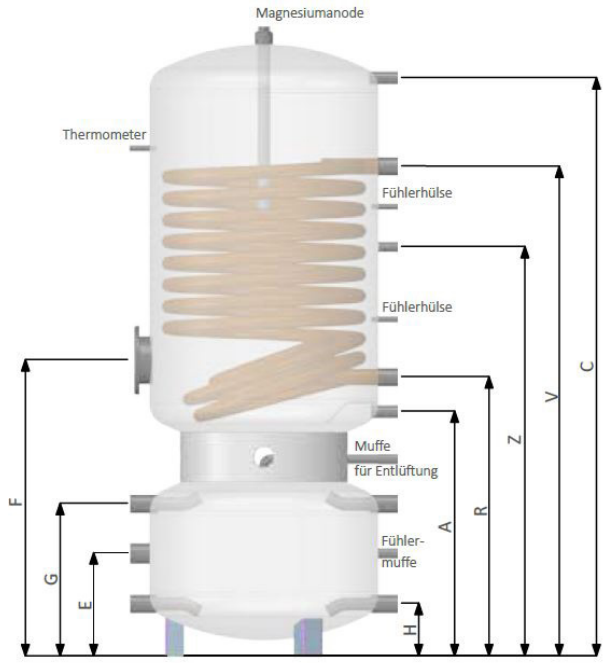
A	Cold water sleeve 1' IG	mm	582
C	Hot water sleeve 1' IG	mm	1460
Z	Circulation sleeve 1' IG	mm	996
R	Sleeve return heat exchanger 1½" IG	mm	655
V	Sleeve flow heat exchanger 1½" IG	mm	1205
F	Blind flange TK 180	mm	700
	Installation depth heating element	mm	450

- thermometer connection Ød 9 mm (base sleeve Ød 13 mm)
- two sensor sleeves Ød 9 mm (basic sleeve Ød 13 mm)

Buffer tank

E	sleeve for electric heater 1 $^1/_2$" IG	mm	233
	Installation depth heating element	mm	613
H	Sleeve 1" IG	mm	125
G	Sleeve 1" IG	mm	359

- one sensor sleeve ½" IG
- one sleeve for venting ½" IG



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ECO DESIGN

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Type		WPPK 301/100 B
Article no.		077582
Nominal volume drinking water	litres	284
Nominal buffer volume	litres	100
Energy efficiency class*1		B
Heat retention loss S*2	W	76
	kWh/d*	1,82
	l/h	2100
Key performance indicator NL*3		10
Load profile		XXL

* Classification according to Regulation (EU) 812/2013; Regulation (EU) 811/2013 in efficiency classes

*1 in accordance with DIN EN 12897: 2016 (partial test based on)

*2 10°C cold water/80°C flow/45°C tap temperature

*3 10°C cold water/60°C cylinder temperature/45°C tap temperature; To achieve the specified NL figure, the boiler output the boiler output must be greater than the specified continuous output

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