

buffer tank ABT 50

Part no. 6805000
buffer tank

benefits

- 50 litres storage capacity
- space-saving, wall-mounted installation, versatile connection system
- integration of 2 heat generators possible
- mounting option for electric heating element
- optimum stratification thanks to heat conduction system



Application

Buffer tank for hot or cold storage in sealed heating systems as per EN 12828. The buffer tank allows for the integration of up to two heat generators and an additional electric heating element. The connection to the heating circuit operates as a hydraulic separator and is designed for direct connection of the AFRISO boiler manifolds KSV or the pump assemblies PrimoTherm®. Operation with a heat pump ensures a sufficient volume flow and keeps the heat pump from intermittent operation due to a lack of system volume. In addition, the buffer tank ensures that there is sufficient heat capacity for defrosting the outdoor unit.

Technical Specifications

Storage capacity
50 l

Connections

Heat generator/chiller: 4 x G1¼ IG
Heating/cooling circuit, boiler manifold: 2 x screw connection G1 female x G1½ union nut
Heating element: G1½ female

Operating pressure
max. 3 bar

Medium

Heating circuit water or water/glycol mixture (glycol max. 50 %)

Operating temperature range

Medium: 5/90 °C
Ambient: 0/60 °C

material

Storage tank: Sheet steel (4 mm)
Heat insulation: Polypropylene EPP

Weight

30 kg

Dimensions (W x H x D)

842 x 555 x 252 mm

Length of heating element

max. 360 mm

Energy class

(as per EU Regulation 812/2013)
C

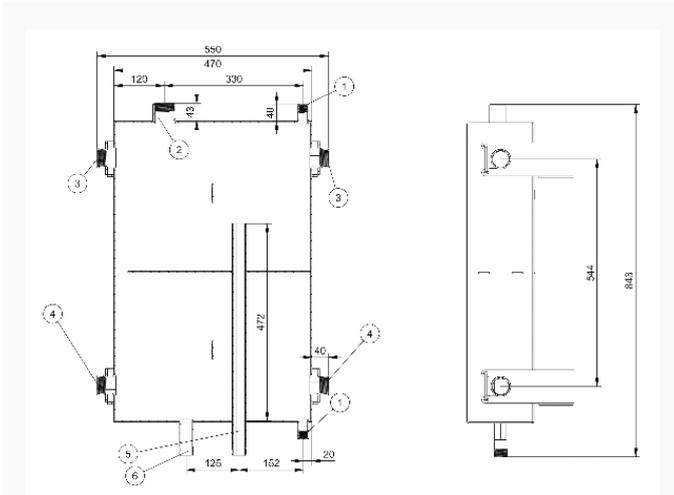
Heat losses

56.4 W

Scope of delivery

- 2 x screw connection G1 female x G1½ union nut for heating circuit
- 1 x closing plug G1½ for connection heating element
- 2 x closing plug G1¼ for thermal source connection
- 1 x closing plug G½ for quick air vent connection
- 1 x quick air vent with mounting valve R½
- 2 x wall mounting brackets
- Drilling template

Technical Drawings



Dimensions (mm)

- connection G½
- connection for heating element G1½"
- flow heat generator G1¼
- return heat generator G1¼
- heating circuit flow 1"
- heating circuit return 1"

Versions

	Part no.
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- in-stock items
- Non-stock items