



buffer tank

benefits

- 160 litres storage capacity
- floor-standing version, 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.

Description

Compact buffer tank consisting of a rectangular steel tank with a storage capacity of 160 litres, foamed heat insulation and outer casing made of sheet metal. A baffle plate in the tank ensures a stratified temperature distribution in the tank to allow for controlled mixing of the flow and return. Lateral connections - either to the right or to the left - make it easy to adapt the buffer tank to the conditions on site. The floor-standing buffer tank is equipped with levelling feet to compensate for uneven floors.

Series ABT buffer tanks comply with the EU Regulation 812/2013 und der EU Regulation 814/2013.

Technical Specifications

Storage capacity

160 l

Operating pressure

max. 3 bar

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

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

103 kg

Dimensions (W x H x D)

1055 x 550 x 500 mm

Length of heating element

max. 480 mm

Energy class

(as per EU Regulation 812/2013)

B

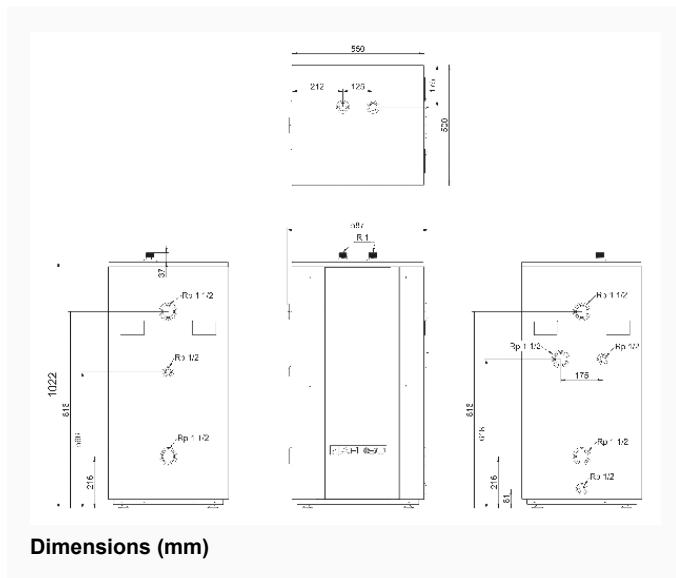
Heat losses

57.1 W

Scope of delivery

- 2 x screw connection G1 female x G1½ union nut for heating circuit
- 1 x boiler filling and drain valve KFE G½
- 3 x closing plug G1½ for thermal source and heating element
- 1 x pocket for temperature probe G½
- 1 x closing plug G½ for connection temperature sensor sleeve

Technical Drawings



Versions

Part no.

buffer tank
ABT 160



6816000

☒ in-stock items

☐ Non-stock items