

DATA SHEET
PS 500 E+ Thermal Store


| Main Features | |
|-------------------|---|
| Application | Storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources |
| Working fluid | water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil |
| Storage tank code | 14754 |
| Insulation code | 19319 |

Energy Efficiency Data (as per EC Regulation No. 812/2013)

| | |
|-------------------------|----------------------------------|
| | valid for a tank with insulation |
| Energy efficiency class | C |
| Static loss | 90 W |
| Storage volume | 473 l |

Technical data

| | |
|---|---------|
| Total storage tank volume | 473 l |
| Max. working temperature in storage tank | 95 °C |
| Max. working pressure in storage tank | 4 bar |
| Storage tank diameter | 600 mm |
| Storage tank diameter with insulation | 800 mm |
| Storage tank overall height | 1915 mm |
| Tipping height without insulation | 1940 mm |
| Storage tank perimeter insulation thickness | 100 mm |
| Storage tank bottom insulation thickness | 50 mm |
| Storage tank top insulation thickness | 100 mm |
| Empty weight without insulation | 68 kg |

Materials

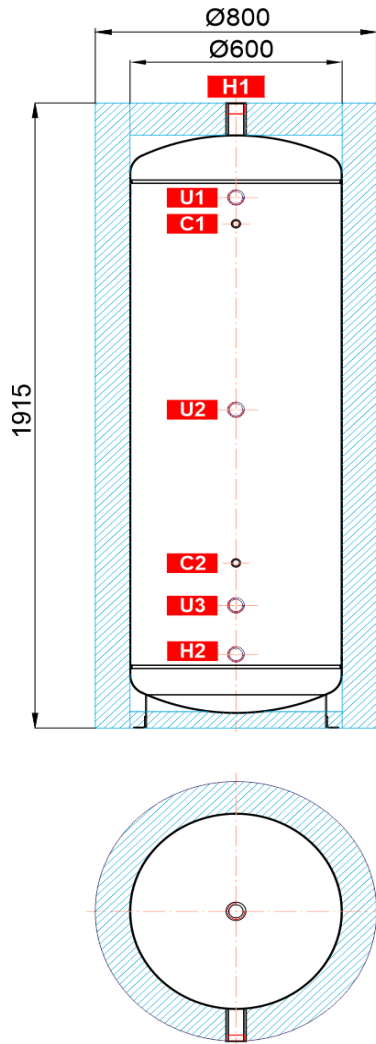
| | |
|--|------------------|
| Storage tank material | S235JR |
| Storage tank perimeter insulation | fleece |
| Storage tank outer surface insulation | hard polystyrene |
| Top and bottom storage tank insulation | fleece |

Accessories

| | |
|-----------------------------|----------------------|
| Electrical heating element | ETT-A, C, D, F, P, M |
| Heating element max. length | 680 mm |

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Dimensions



TAPPINGS

| pos. | description | connection | height [mm] |
|-------------------------------|------------------------|------------|-------------|
| Heating system | | | |
| H1 | Supply to heat sink | G 6/4" F | 1915 |
| H2 | Return from heat sink | G 6/4" F | 225 |
| Control and safety | | | |
| C1 | Temperature sensor | G 1/2" F | 1545 |
| C2 | Temperature sensor | G 1/2" F | 505 |
| Universal inlet/outlet | | | |
| U1 | Universal inlet/outlet | G 6/4" F | 1625 |
| U2 | Universal inlet/outlet | G 6/4" F | 975 |
| U3 | Universal inlet/outlet | G 6/4" F | 375 |