


DATA SHEET

PS 500 N25 Thermal Store

|  | Main Features | |
|---|-------------------|--|
| | Application | Storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources. It is fitted with G 2,5" F threaded tappings. |
| | Working fluid | water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil |
| | Storage tank code | 19272 |
| | Insulation code | 19274 |

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

| | |
|-------------------------|----------------------------------|
| | valid for a tank with insulation |
| Energy efficiency class | C |
| Static loss | 94 W |
| Storage volume | 476 l |

Technical data

| | |
|---|---------|
| Total storage tank volume | 476 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 | 93 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 |

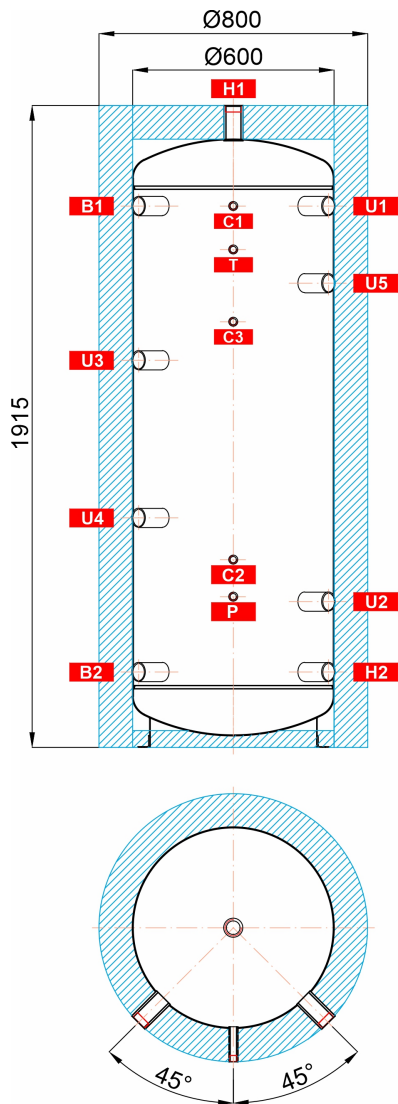
Accessories

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

For the electric heater, a G 2.5" M x G 6/4" F reducer must be used

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Dimensions



TAPPINGS

| pos. | description | connection | height [mm] |
|-------------------------------|-------------------------|------------|-------------|
| Heat sources | | | |
| B1 | Supply from heat source | G 2,5" F | 1605 |
| B2 | Return to heat source | G 2,5" F | 245 |
| Heating system | | | |
| H1 | Supply to heat sink | G 2,5" F | 1915 |
| H2 | Return from heat sink | G 2,5" F | 245 |
| Control and safety | | | |
| C1 | Temperature sensor | G 1/2" F | 1615 |
| C2 | Temperature sensor | G 1/2" F | 450 |
| C3 | Temperature sensor | G 1/2" F | 1485 |
| T | Thermometer | G 1/2" F | 1270 |
| P | Safety valve | G 1/2" F | 560 |
| Universal inlet/outlet | | | |
| U1 | Universal inlet/outlet | G 2,5" F | 1605 |
| U2 | Universal inlet/outlet | G 2,5" F | 435 |
| U3 | Universal inlet/outlet | G 2,5" F | 1155 |
| U4 | Universal inlet/outlet | G 2,5" F | 685 |
| U5 | Universal inlet/outlet | G 2,5" F | 1385 |