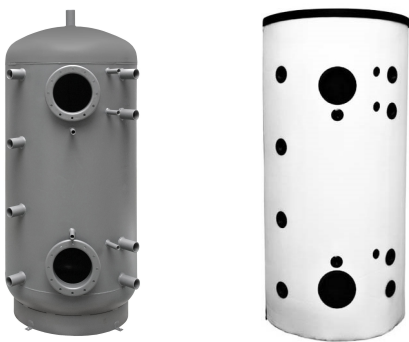


**PS2F 800 N+ Thermal Store**

|  | Main Features      |                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   | Application        | Storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources; the tank is fitted with 2 flanged openings that can permit installation of a DHW tube heat exchanger or connecting a solar thermal system. |
|                                                                                   | Working fluid      | water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil                                                                                                                                                                     |
|                                                                                   | Thermal store code | 15218                                                                                                                                                                                                                                                       |
|                                                                                   | Insulation code    | 19348                                                                                                                                                                                                                                                       |

| Energy Efficiency Data (as per EC Regulation No. 812/2013) |                                           |
|------------------------------------------------------------|-------------------------------------------|
|                                                            | valid for a thermal store with insulation |
| Energy efficiency class                                    | N/A                                       |
| Static loss                                                | 134 W                                     |
| Storage volume                                             | 809 l                                     |

| Technical data                               |         |
|----------------------------------------------|---------|
| Total thermal store volume                   | 809 l   |
| Max. working temperature in thermal store    | 95 °C   |
| Min. working temperature in thermal store    | 7 °C    |
| Max. working pressure in thermal store       | 4 bar   |
| Thermal store diameter                       | 800 mm  |
| Thermal store diameter with insulation       | 1000 mm |
| Thermal store overall height                 | 1845 mm |
| Tipping height without insulation            | 1895 mm |
| Thermal store perimeter insulation thickness | 100 mm  |
| Thermal store bottom insulation thickness    | 50 mm   |
| Thermal store top insulation thickness       | 100 mm  |
| Empty weight without insulation              | 104 kg  |

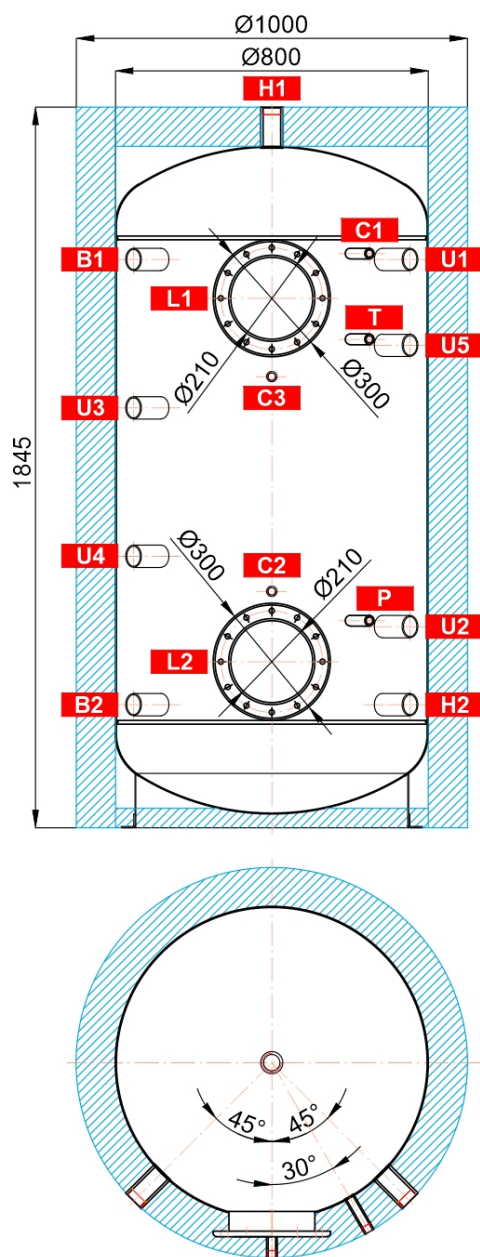
| Materials                               |                  |
|-----------------------------------------|------------------|
| Thermal store material                  | S235JR           |
| Thermal store perimeter insulation      | fleece           |
| Thermal store outer surface insulation  | hard polystyrene |
| Top and bottom thermal store insulation | fleece           |

Insulation thermal conductivity  $\lambda \leq 0.037 \text{ W/mK}$ , thermal resistance (short/long term) 150/100 °C, fire class E.

| Accessories                     |                                 |
|---------------------------------|---------------------------------|
| Electric heating element        | ETT-A, C, D2, M, R, U, F2, P, S |
| Heating element max. length     | 815 mm                          |
| Blind flange                    | code 6230                       |
| Blind flange for heat exchanger | code 6231 / 6232                |
| Tube heat exchanger             | max. area - 4,5 m²              |

## PS2F 800 N+ Thermal Store

### Dimensions



### CONNECTIONS

| pos.                          | description                | connection | height [mm] |
|-------------------------------|----------------------------|------------|-------------|
| <b>Heat sources</b>           |                            |            |             |
| B1                            | Supply from heat source    | G 6/4" F   | 1455        |
| B2                            | Return to heat source      | G 6/4" F   | 315         |
| <b>Heating system</b>         |                            |            |             |
| H1                            | Flow to heating system     | G 6/4" F   | 1845        |
| H2                            | Return from heating system | G 6/4" F   | 315         |
| <b>Control and safety</b>     |                            |            |             |
| C1                            | Temperature sensor         | G 1/2" F   | 1470        |
| C2                            | Temperature sensor         | G 1/2" F   | 605         |
| C3                            | Temperature sensor         | G 1/2" F   | 1155        |
| T                             | Thermometer                | G 1/2" F   | 1250        |
| P                             | Safety valve               | G 1/2" F   | 530         |
| <b>Universal inlet/outlet</b> |                            |            |             |
| U1                            | Universal inlet/outlet     | G 6/4" F   | 1455        |
| U2                            | Universal inlet/outlet     | G 6/4" F   | 515         |
| U3                            | Universal inlet/outlet     | G 6/4" F   | 1075        |
| U4                            | Universal inlet/outlet     | G 6/4" F   | 695         |
| U5                            | Universal inlet/outlet     | G 6/4" F   | 1235        |
| <b>Flanges</b>                |                            |            |             |
| L1                            | Upper flange               | 12 x M12   | 1355        |
| L2                            | Lower flange               | 12 x M12   | 425         |