

ThermaStore HSP450 - 119 Technical Specifications

| | |
|-------------------------------|---------------|
| Tank total volume | 119 gal |
| Tank volume | 113.7 gal |
| DHW coil volume | 5.3 gal |
| Diameter | 29 1/2" |
| Height | 64 1/4" |
| Tilted height | 70 1/2" |
| Weight (empty) | 250 lbs |
| Maximum tank pressure | 43.5 psi |
| Maximum coil pressure | 145.03 psi |
| Maximum water delivery | 5 gal / min |
| Maximum operating temperature | 203° F |
| Heat exchanger surface | 43.05 sq / ft |
| R-Value | 17 |

Ports

| Ports | Height |
|---|---------|
| 1 Boiler inlet with baffle plate 1 1/2" NPT | 54 5/8" |
| 2 Optional socket inlet for electric rod 1 1/2" NPT | 38 1/2" |
| 3 Optional inlet with baffle plate 1 1/2" NPT | 25 7/8" |
| 4 Boiler back flow with baffle plate 1 1/2" NPT | 8 1/2" |
| 5 Sensor well 3/4" NPT | |
| 6 Optional normal temperature heating zone 1 1/2" NPT | 54 5/8" |
| 7 Optional lower temperature heating zone 1 1/2" NPT | 38 1/2" |
| 8 Return to layer loader 1 1/2" NPT | 25 7/8" |
| 9 Return to layer loader 1 1/2" NPT | 8 1/2" |
| 10 DHW outlet 1" BSPP | 57 3/4" |
| 11 DHW cold water inlet 1" BSPP | 5 1/2" |
| 12 Air release fitting 1 1/4" NPT | 64 1/4" |

HSP450 - 119

The MESys ThermaStore is a combination thermal buffer tank and indirect domestic hot water heater with a total tank capacity of 119 gallons.

The buffer tank stores excess heat from the boiler and releases it to the heat distribution system as required without the need for boiler restart. The ThermaStore operates with less standby loss creating a more efficient domestic hot water solution.

