



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

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

