

TS-120

Storage Tank Specification Information

Construction Specifications

1. Industrial glass lined 114-gallon hot water storage tank
2. 2 in. foam-in-place urethane insulation (R-16)
3. Dual anode protection against corrosion for extended tank life
4. 1-1/4 in. male NPT water inlet
5. 1-1/4 in. male NPT water outlet
6. 150 psi and 210°F pressure/temperature relief valve
7. Attractive enameled galvanized external wrapper
8. Mid tank 3/4 in. Male NPT connection for recirculating loop return or for aquastat (mid-port)

Overview

The Opti-Stor TS-120 is an insulated 114-gallon water storage tank. Designed to complement Opti-Stor Heat Recovery Water Heating Systems, the TS-120 increases the capacity of heat reclaim systems by increasing hot water storage capacity.

Operation

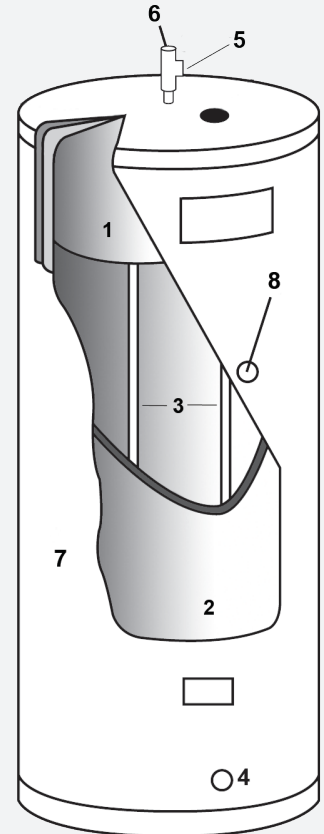
The Opti-Stor TS-120 stores hot water generated by Opti-Stor heat reclaim water heaters or other water heaters. Storing additional hot water allows the water heating system to buffer a larger quantity of hot water to meet periods of high demand. This is especially effective in facilities with larger refrigeration systems that use hot water in sporadic "batches" throughout the day.

Typical Applications

The Opti-Stor TS-120 is ideally suited for facilities with high capacity refrigeration systems and "batched" hot water demand. The TS-120 is typically used in conjunction with Opti-Stor Heat Recovery Water Heaters. Common installations include:

- Grocery stores
- Supermarkets
- Processing facilities
- Ice rinks

Part No. 4016850 – TS-120



Unit Specifications

- Tank Dimensions —
Diameter: 28-1/8 in.,
Height: 62-1/4 in.
- Unit with Fittings Dimensions —
Diameter: 30-3/8 in.,
Height: 67 in.,
Weight: 260 lbs.
- 120 gallon nominal water capacity
- 150 psi max. operating water pressure

Part No. 4016850 – TS-120

Specifications subject to change without notice.

Certifications

- UL/cUL® (SA5939)
- ASHRAE 90

TS-120 | Storage Tank Specification Information

In applications with “batch” water use (such as cleaning), adding an Opti-Stor TS-120 storage tank is recommended.

The storage tank can be installed to accommodate thermal-syphoning (circulating without a pump). See diagram A below.

Diagram A

