



## Solstice Buffer Tank



### *Hydronic buffer tanks are used as both hydraulic separators and hydronic buffer tanks.*

As a hydraulic separator, buffer tanks separate the energy source loop (heat pump/boiler) from the hydronic flow in the distribution system (air handlers/emitters). Hydraulic separation is used primarily in systems where flow rates from the source to the distribution vary or with applications utilizing variable speed pumps. The heating or cooling source can be hydraulically decoupled from the distribution system.

Buffer tanks are used as hydronic buffer tanks in systems having several low BTU cooling or heating loads calling at different times or systems operating below the design load condition.

Buffer tanks store the additional system volume and energy currently not utilized by the system for use on additional calls for heat leading to more efficient system performance and longer equipment life.

There are four piping connections built into the buffer tank units (1½" NPT on BT26-H and BT40-H, 2" NPT on BT80-H). Two connections can be piped to the distribution system.

### **Features and Benefits**

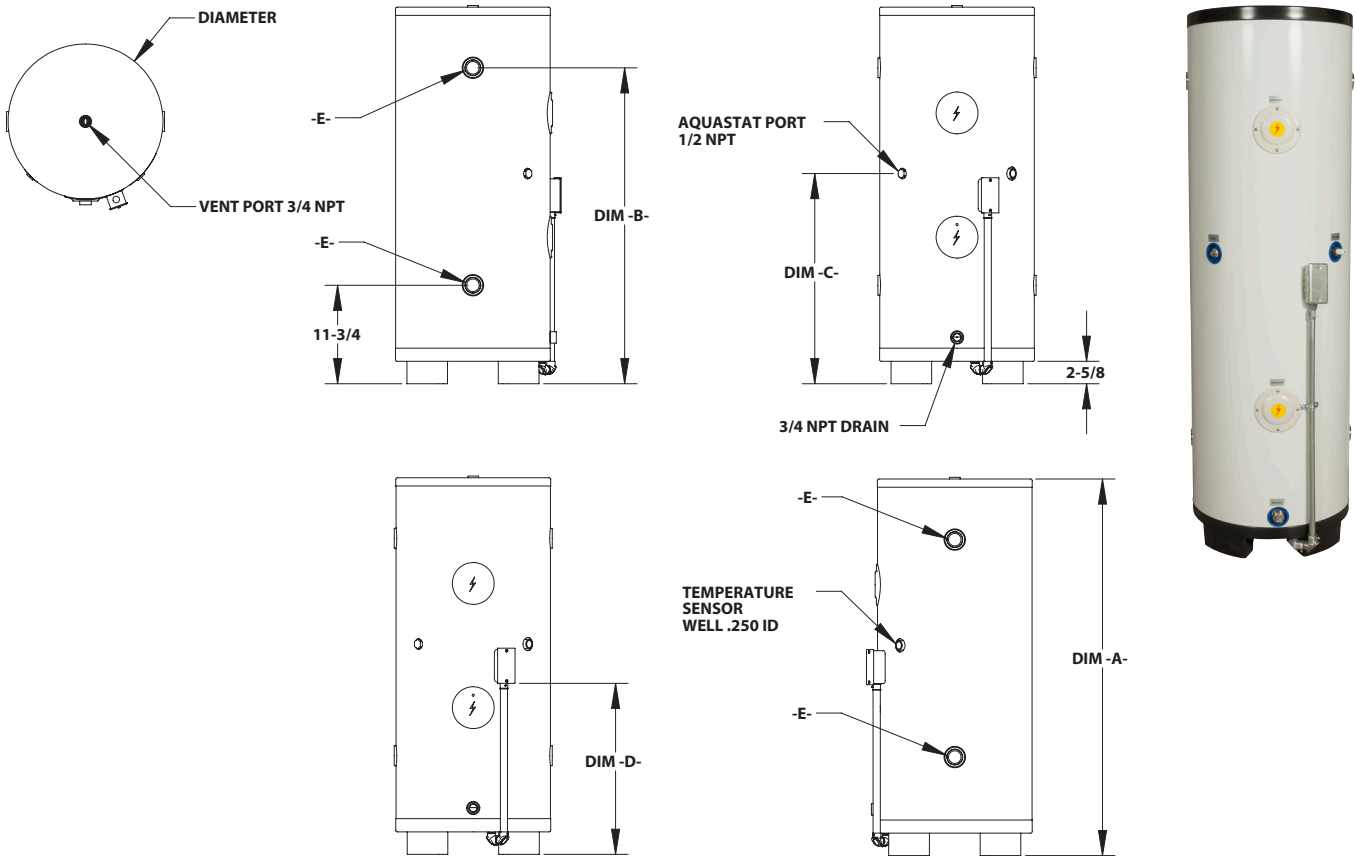
- Durable Stainless Steel Construction
- Polyurethane Resin Foam with R12 Insulation Valve
- Offered in 26, 40, and 80 Gallon Capacities
- White Outer Housing
- ½" NPT Aquastat Port
- Standard 6KW\* (2 each 3kw Heater Elements) Electric Heat 230v 1PH/60Hz

\*20,500 BTU/hr.

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260 North Elm Street | Westfield, MA 01085

# Dimensions



## Specifications

Model		BT26-H	BT40-H	BT80-H
Dimensions	Diameter	18-1/2"	18-1/2"	23-5/8"
	-A-	45"	60"	64-1/8"
	-B-	37-3/4"	52-3/4"	55-1/2"
	-C-	25-1/8"	34-1/8"	34-5/8"
	-D-	20-1/2"	26-5/8"	32-1/2"
Port Diameter NPT	-E-	1-1/2"	1-1/2"	2"
Capacity	US Gal.	26	40	80
Max Water Flow	GPM	36	36	48
Ship Weight	lbs.	84	104	130
Empty Weight	lbs.	77	97	125
Full Weight	lbs.	304	446	805
Min Circuit Ampacity	Amps	30	30	30

SPL-WG1042\_A



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