

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 BT-13-H, BT26-H and BT40-H, 2" NPT on BT80-H). Two connections can be piped to the distribution system.

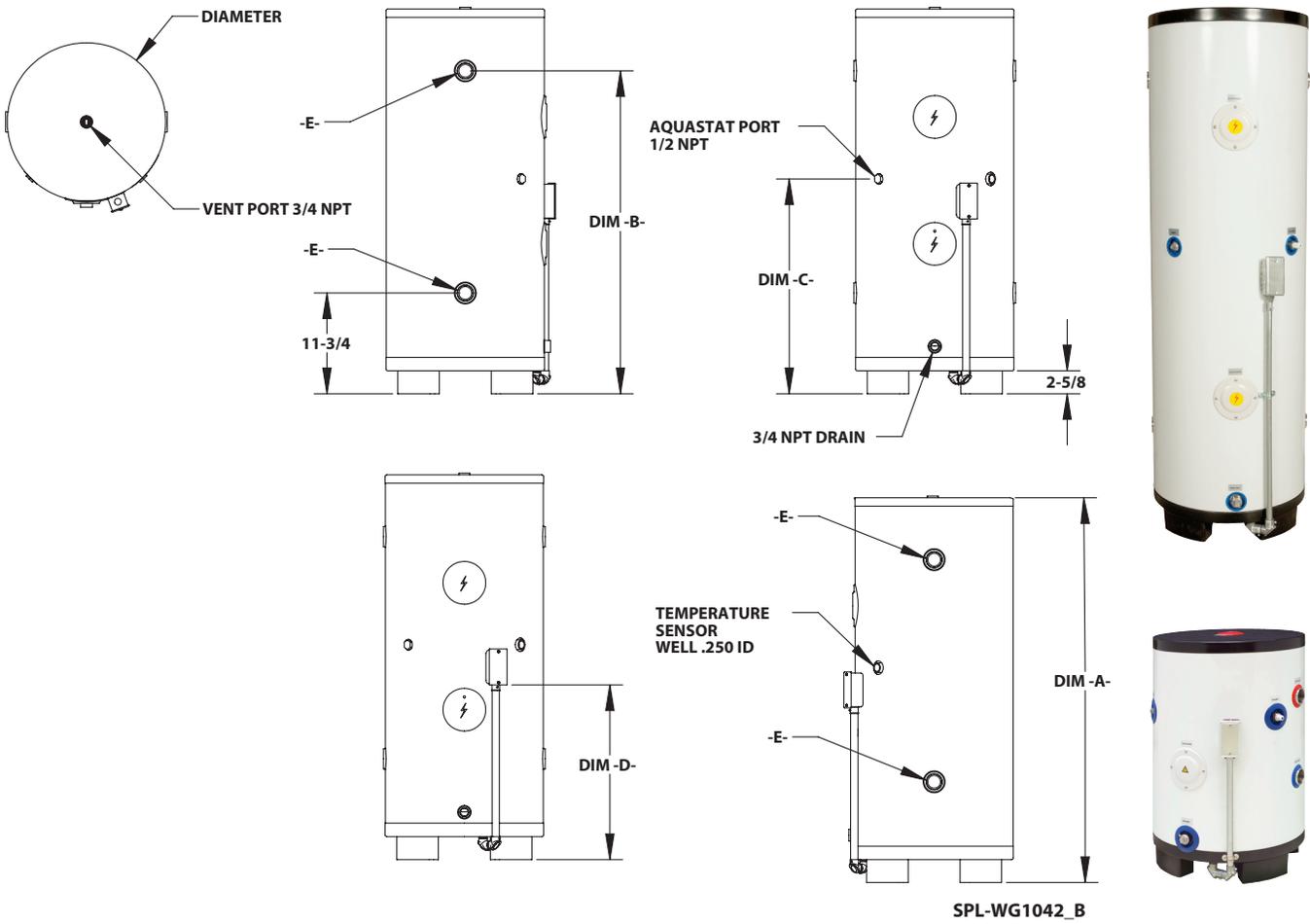
Features and Benefits

- Durable Stainless Steel Construction
- Polyurethane Resin Foam with R12 Insulation Valve
- Offered in 13, 26, 40, and 80 Gallon Capacities
- White Outer Housing
- ½" NPT Aquastat Port
- Standard 6KW* (2 each 3kw Heater Elements for BT26-H, BT40-H and BT80-H. Only one 3kW** heater element for BT13-H) Electric Heat 240VAC 1PH/60Hz

*20,500 BTU/hr.

**10,250 BTU/hr.

Dimensions



Specifications

| Model | | BT13-H | BT26-H | BT40-H | BT80-H |
|------------------------|----------|---------|---------|---------|---------|
| Dimensions | Diameter | 18-1/2" | 18-1/2" | 18-1/2" | 23-5/8" |
| | A | 29-1/6" | 45" | 60" | 64-1/8" |
| | B | 21-1/2" | 37-3/4" | 52-3/4" | 55-1/2" |
| | C | 19-5/8" | 25 1/8" | 34-1/8" | 34-5/8" |
| | D | 16-1/2" | 20-1/2" | 26-5/8" | 32-1/2" |
| Port Diameter NPT | E | 1-1/2" | 1-1/2" | 1-1/2" | 2" |
| Capacity | US Gal | 13 | 26 | 40 | 80 |
| Max Water Flow | GPM | 36 | 36 | 36 | 48 |
| Ship Weight | lbs | 40 | 84 | 104 | 130 |
| Empty Weight | lbs | 38 | 77 | 97 | 125 |
| Full Weight | lbs | 148 | 304 | 446 | 805 |
| Min Circuit Ampacity | Amps | 15 | 30 | 30 | 30 |
| Max Working Pressure | P.S.I. | 100 | | | |
| Electric Heat Capacity | kW | 3 | 6 | 6 | 6 |

*Not suitable for potable water



260 North Elm Street
Westfield, Ma 01085
(800) 465-8558
www.spacepak.com

7555 Tranmere Drive
Mississauga, Ontario L5S 1L4 Canada
(905) 670-5888