



SUBMITTAL

**HBT-SERIES**

2-PORT HOT WATER BUFFER TANK

**Models:** HBT-120 thru HBT-300

**Submittal Sheet No.** HBT-2016A

Date: 4/20

Job Name _____	Submitted By _____	Date _____
Location _____	Approved By _____	Date _____
_____	Order No. _____	Date _____
Engineer _____	Notes _____	
Contractor _____	_____	
Sales Rep. _____	_____	

**Description**

AA tanks ASME 2-Port Hot Water Buffer Tanks (HBT) are designed for use with today's high efficiency systems that incorporate small modular low-mass boiler. These small volume systems require additional "buffer" capacity for the systems to eliminate problems such as excessive boiler cycling, poor temperature control, and erratic system operation. The properly sized HBT adds the necessary thermal mass to the system to dampen fast transitions and minimize boiler cycling that occurs during zero or low domestic load conditions.

**Construction**

Shell: Carbon Steel  
 (Available in 304 / 316 Stainless Steel)  
 Exterior: Primer Painted

**Performance Limitations**

Maximum Design Temperature: 450°F  
 Maximum Design Pressure: 125 PSIG\*  
 \*200 & 250 PSIG available



Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
HBT-120	55621200	120		
HBT-210	55622100	210		
HBT-300	55623000	300		

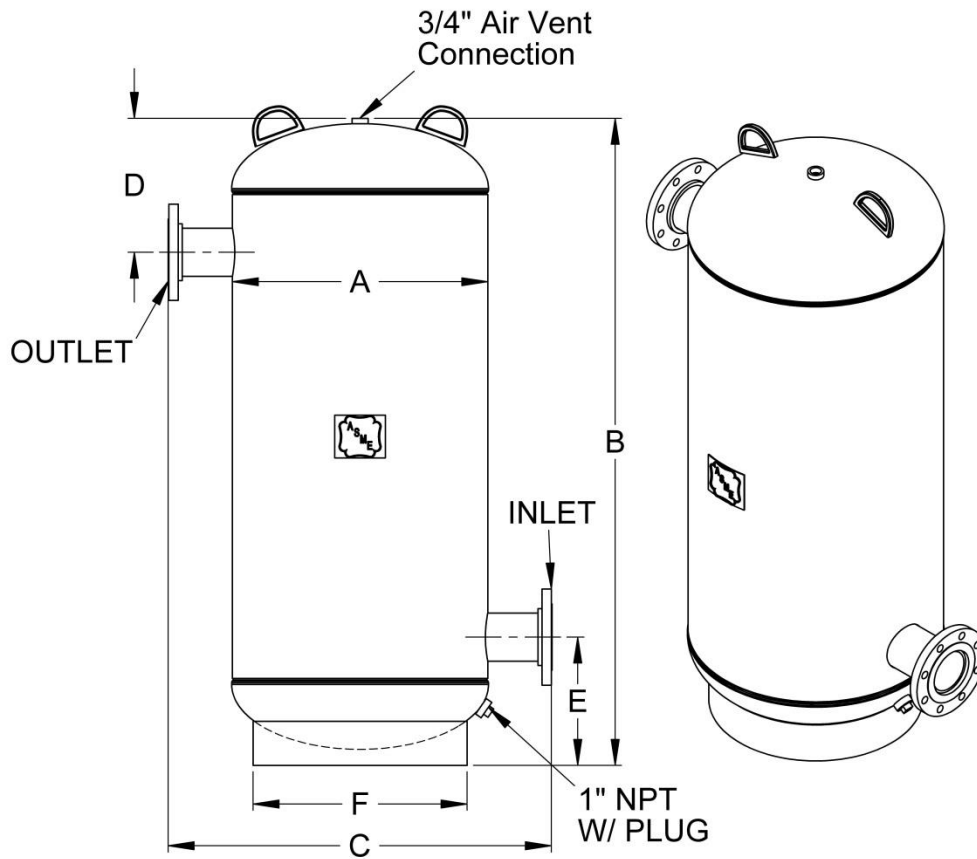
**Typical Specification**

Furnish and install, as shown on plans, a HBT-\_\_\_\_\_ as manufactured by AA tanks Company. The system water connections must be \_\_\_\_\_" (NPT/flanged/grooved). The HBT must be constructed in accordance with the most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code and constructed and stamped for 125 PSI working pressure @ 450°F.

Each tank shall be AA tanks model number HBT-\_\_\_\_\_ or approved equal.

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HBT-120 thru HBT-300

**Dimensions & Weights**

Model Number	Dimensions In Inches						Max. Shipping Wt (lbs)
	A	B	C	D	E	F	
HBT-120	24	60	32	11 1/2	13	20	248
HBT-210	30	75	388	13 1/2	15	24	458
HBT-300	36	72	44	15	16 1/2	30	781

**Notes:**

- Inlets and outlets available in 2" NPT, 3" NPT, 3" Flanged, and 4" Flanged.
- Dimension "C" applies to flanged models only.
- Manway installation is optional.
- Insulation available.