SINCE 1908
wessels company

SUBMITTAL

HBT-SERIES

2-PORT HOT WATER BUFFER TANK

Models: HBT-120 thru HBT-300
Submittal Sheet No. J-1005B Date: 4/16

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

Description

Wessels 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
Exterior: Primer Painted

Performance Limitations

Maximum Design Temperature: 450°F
Maximum Design Pressure: 125 PSIG*

*200 & 250 PSIG available

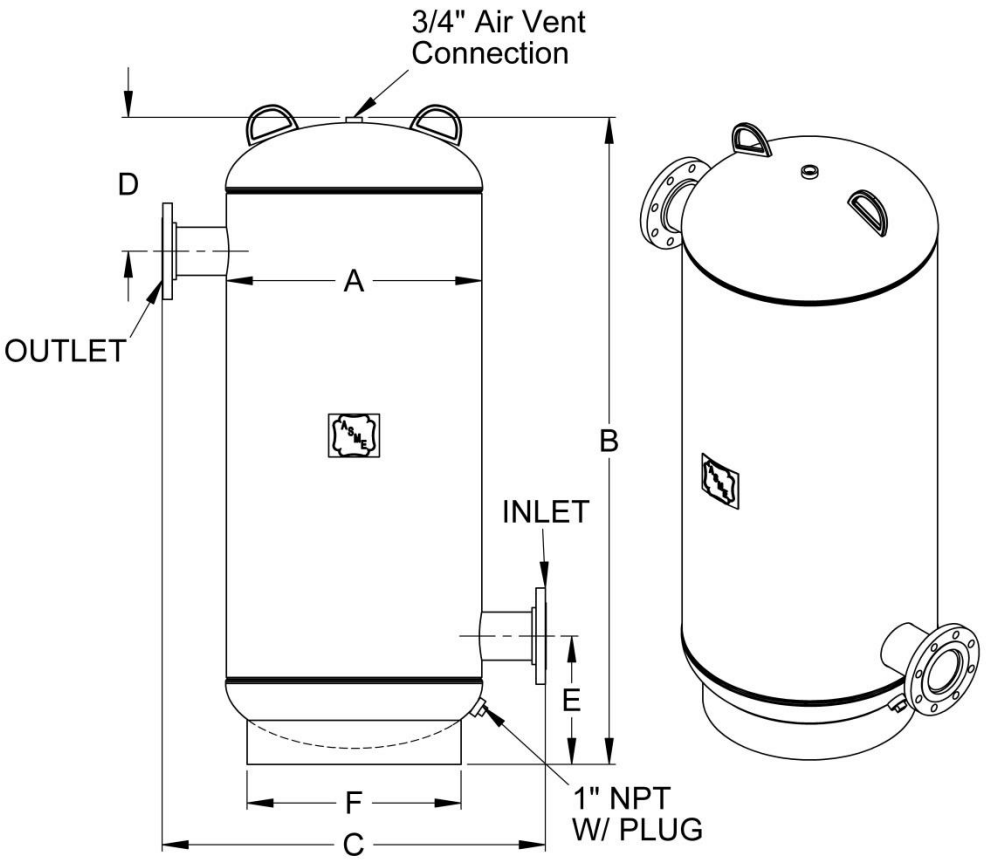
Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
HBT-120	55621200	120		
HBT-210	55622100	210		
HBT-300	55623000	300		

Typical Specification

Furnish and install, as shown on plans, a HBT- _____ as manufactured by Wessels 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 Wessels model number HBT-_____ or approved equal.

101 TANK ST ● GREENWOOD, IN 46143 ● (317) 888-9800 ● (317) 888-9988 FAX ● www.westank.com



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.