



SUBMITTAL

ZHBT-SERIES

4-PORT HOT WATER BUFFER TANK

Models: ZHBT-120 thru ZHBT-300

Date: 7/2021

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

Description

Zilmet ASME 4-port primary-secondary Hot Water Buffer Tanks (ZHBT) are designed for use with today's high efficiency systems that incorporate small modular low-mass boilers. 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 ZHBT adds 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*

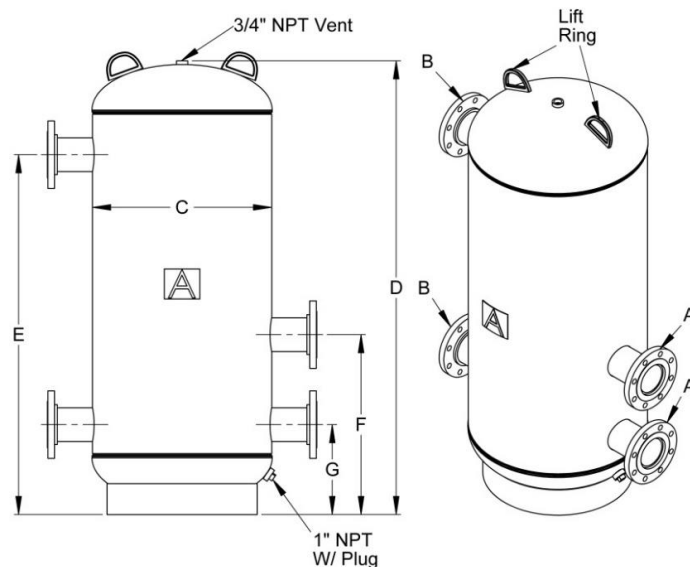
*200 & 250 PSIG available

Model Number	Part Number	Tank Volume (Gallons)	Tagging Information	Quantity
ZHBT-120		120		
ZHBT-210		210		
ZHBT-300		300		

Typical Specification

Furnish and install, as shown on plans, a ZHBT- _____ as manufactured by Zilmet USA Company. The system water connections must be _____" (NPT/flanged/grooved). The ZHBT 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 Zilmet model number ZHBT- _____ or approved equal.



ZHBT-120 thru ZHBT-300

Dimensions & Weights

Model Number	Part Number	Tank Volume (Gallons)	Dimensions In Inches							Max. Shipping Wt (lbs)	
			A	B	C	D	E	F	G		
ZHBT-120-22	55641222	120	2" NPT	2" NPT	24	60	48	24	12	206	
ZHBT-210-22	55642122	210			30	76 1/2	58	28	14	408	
ZHBT-300-22	55643022	300			36	72	56	32	16	739	
ZHBT-120-23	55641223	120		3	3	24	60	48	24	12	228
ZHBT-210-23	55642123	210				30	76 1/2	58	28	14	426
ZHBT-300-23	55643023	300				36	72	56	32	16	759
ZHBT-120-24	55641224	120		4	4	24	60	48	24	12	235
ZHBT-210-24	55642124	210				30	76 1/2	58	28	14	435
ZHBT-300-24	55643024	300				36	72	56	32	16	768
ZHBT-120-26	55641226	120		6	6	24	60	48	24	12	254
ZHBT-210-26	55642126	210				30	76 1/2	58	28	14	454
ZHBT-300-26	55643026	300				36	72	56	32	16	787
ZHBT-120-34	55641234	120	3	4	24	60	48	24	12	255	
ZHBT-210-34	55642134	210			30	76 1/2	58	28	14	455	
ZHBT-300-34	55643034	300			36	72	56	32	16	788	
ZHBT-120-36	55641236	120		6	6	24	60	48	24	12	274
ZHBT-210-36	55642136	210				30	76 1/2	58	28	14	574
ZHBT-300-36	55643036	300				36	72	56	32	16	807
ZHBT-120-33	55641233	120		3	3	24	60	48	24	12	246
ZHBT-210-33	55642133	210				30	76 1/2	58	28	14	546
ZHBT-300-33	55643033	300				36	72	56	32	16	779
ZHBT-120-44	55641244	120		4	4	24	60	48	24	12	264
ZHBT-210-44	55642144	210				30	76 1/2	58	28	14	564
ZHBT-300-44	55643044	300				36	72	56	32	16	797
ZHBT-120-46	55641246	120	6		6	24	60	48	24	12	283
ZHBT-210-46	55642146	210				30	76 1/2	58	28	14	583
ZHBT-300-46	55643046	300				36	72	56	32	16	816

- Notes:**
- A and B connections are flanged unless specified as NPT
 - Insulation available.
 - Manway optional.
 - 4" stick out for 2" & 3" flanges, and 6" stick out for 4" & 6" flanges