

SINCE 1908
wessels
 company

SUBMITTAL

TYPE: ASME Chilled Water Buffer Tanks

MODELS: CBT-Series

Submittal Sheet No. CBT-8504

Date: 6-04

JOB _____ Unit Tag No. _____ Engineer _____ Contractor _____	Wessels Representative _____ _____ _____ Order No. _____ Date _____ Submitted By _____ Date _____ Approved By _____ Date _____
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DESCRIPTION

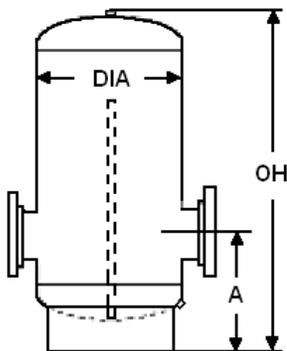
Wessels Company ASME Chilled-Water-Buffer-Tanks (CBT) are designed for chilled water systems with insufficient water volume capacity, in relation to the chiller capacity. Relatively low water volume systems require additional "buffer" capacity for the system to eliminate problems such as excessive chiller cycling, poor temperature control, and erratic system operation. The properly sized CBT adds the necessary volume to "buffer" the system volume.

CONSTRUCTION

Carbon Steel
 Exterior primer painted

PERFORMANCE LIMITATIONS

Maximum Design Temperature: 450°F
 Maximum Design Pressure: 125 PSI



Center-line Height (A in inches) for various Connection

Model	Gal.	(in.)	(in.)	2" NPT	2-1/2"	3" FLG	4" FLG	6" FLG	8" FLG	10" FLG	12" FLG
CBT-120	120	24	60	12	12 1/4	12 1/2	13	14	15	16	17
CBT-200	200	30	72	14	14 1/4	14 1/2	15	16	17	18	19
CBT-300	300	36	72	15 3/4	15 3/4	16	16 1/2	17 1/2	18 1/2	19 1/2	20 1/2
CBT-500	500	42	90	17 1/2	17 3/4	18	18 1/2	19 1/2	20 1/2	21 1/2	22 1/2
CBT-850	850	54	96	21	21 1/4	21 1/2	22	23	24	25	26
CBT-1040	1040	60	96	22 3/4	23	23 1/4	23 3/4	24 3/4	25 3/4	26 3/4	27 3/4

3/4" NPT Top Vent Connection; 1" NPT Bottom Drain Connection; Also Available Up To 20" Flange System Connections, Grooved System Connections, and Higher Working Pressures – Consult Factory.

TYPICAL SPECIFICATION

Furnish and install as shown on plans, an ASME Chilled Water Buffer Tank as manufactured by Wessels Company. The tank shall incorporate a baffle to promote tank water storage temperature stratification. The system water connections must be _____ inch (NPT/flanged/grooved). The tank must be constructed in accordance with most recent addition of Section VIII of the ASME Boiler and Pressure Vessel Code.

Each Chilled Water Buffer Tank shall be Wessels Model CBT- _____ or approved equal.