

CHILLED WATER BUFFER TANKS

ASME SECTION VIII CONSTRUCTION

CAPACITIES FROM 120 TO 3,000 GALLONS

125 PSI WORKING PRESSURE

FLANGED CONNECTIONS

FIVE-YEAR LIMITED WARRANTY



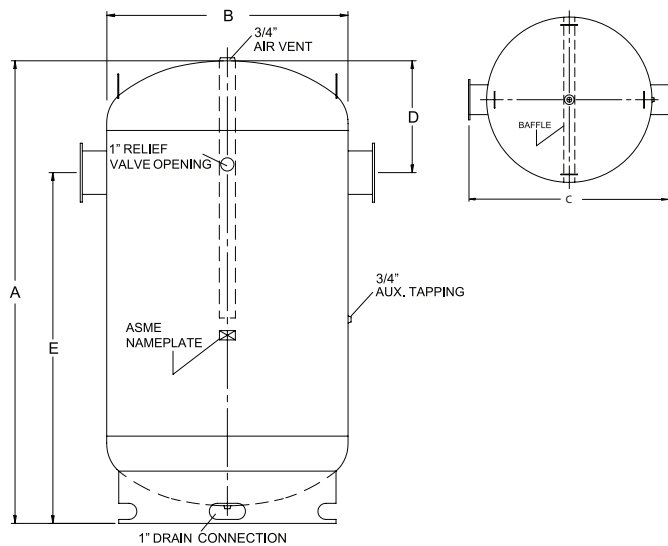
DESIGNED ★ ENGINEERED ★ ASSEMBLED

USA



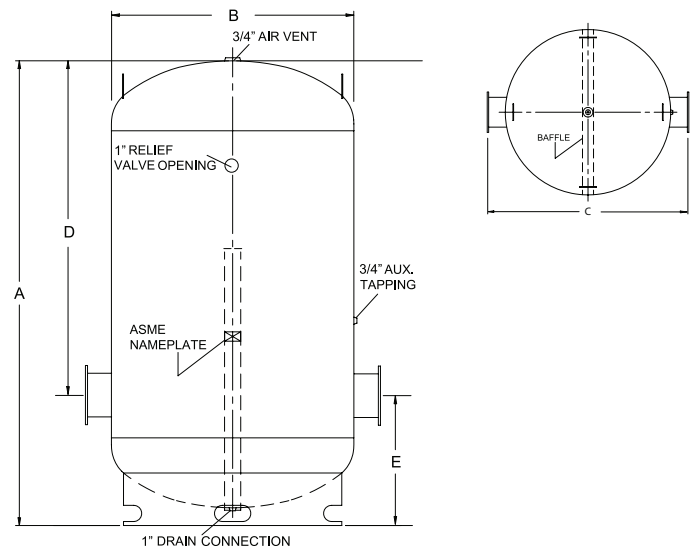
Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

CHILLED WATER BUFFER TANK W/UPPER CONNECTIONS



Model	Gallon	Std. Flange					Max.	Wt.	
Number	Cap	A	B	C	D	E	Conn. Size	Conn. Dia*	(lbs.)
CVU120	120	55-1/2"	28"	42"	19-3/4"	35-3/4"	3"	6"	298
CVU200	200	85-1/2"	28"	42"	19-3/4"	65-3/4"	4"	6"	430
CVU300	300	76"	36"	50"	23"	53"	4"	8"	533
CVU400	400	76"	42"	56"	24"	52"	6"	8"	818
CVU500	500	87"	42"	56"	25"	62"	6"	8"	930
CVU750	750	100"	48"	62"	7"	73"	6"	8"	1,430
CVU850	850	100	54	68	28.5	71.5	6	10	1859
CVU1000	1000	124"	48"	62"	27"	97"	6"	8"	1,733
CVU1250	1250	124	60	74	29.75	93.75	6	10	2615
CVU1500	1500	148	60	74	29.75	121.75	6	10	3066
CVU2000	2000	124	72	86	32.5	91	6	10	3455
CVU2500	2500	148	72	86	32.5	115.5	6	10	3957
CVU3000	3000	169	72	86	32.5	136.5	6	10	4411

CHILLED WATER BUFFER TANK W/LOWER CONNECTIONS



Model	Gallon	Std. Flange					Max.	Wt.	
Number	Cap	A	B	C	D	E	Conn. Size	Conn. Dia*	(lbs.)
CVL120	120	55-1/2"	28"	42"	32-1/4"	23-1/4"	3"	6"	298
CVL200	200	85-1/2"	28"	42"	62-1/4"	23-1/4"	4"	6"	430
CVL300	300	76"	36"	50"	49"	27"	4"	8"	533
CVL400	400	76"	42"	56"	47"	29"	6"	8"	818
CVL500	500	87"	42"	56"	58"	29"	6"	8"	930
CVL750	750	100"	48"	62"	69"	31"	6"	8"	1,430
CVL850	850	100"	54"	68"	67.5"	32.5"	6"	10"	1859
CVL1000	1000	124"	48"	62"	93"	31"	6"	8"	1,733
CVL1250	1250	124"	60"	74"	89.75"	33.75"	6"	10"	2615
CVL1500	1500	148"	60"	74"	117.75"	33.75"	6"	10"	3066
CVL2000	2000	124"	72"	86"	87"	36.5"	6"	10"	3455
CVL2500	2500	148"	72"	86"	111.5"	36.5"	6"	10"	3957
CVL3000	3000	169"	72"	86"	132.5"	36.5"	6"	10"	4411

Notes: * For larger sizes consult factory. *Custom sizes and configurations are available. Consult factory for details.

*When choosing foam option, change "V" to "F" in model number. *If ordering a foam tank with lower connections, change "L" to "B".

BUFFER TANK SIZING FORMULA: Buffer Tank Size = (Required System Volume) - (Actual System Volume)

Lochinvar Chilled Water Buffer Tanks are designed to create volume in a chilled water system when the system and associated piping can not provide the chiller with the volume required for efficient operation. To meet this criteria, Lochinvar has designed a Chilled Water Buffer Tank that is an ASME certified vessel and is available in various custom configurations and tank sizes.

Chiller manufacturers recommend a specific volume of water per ton of chiller capacity to maintain water temperature stability. These recommendations range from 3 to 5 gallons of system volume per ton of chiller capacity when used in a comfort cooling application to system volumes of 6 to 10 gallons per ton when used in a process cooling application where temperature stability is critical.

Selecting the right tank is easy. After determining how much additional volume the tank will provide, select the size and configuration of the system connections that will best connect the tank to the chilled water system.

OPTIONAL EQUIPMENT:

"R-12" Spray Foam insulation with UV Resistant Exterior

12" x 16" Manway (300 and above)

4" x 6" Hand Hole

Automatic Air Vent

Temperature and Pressure Gauge

Flanged or NPT Pipe Connections

Additional Tappings

Lochinvar, LLC reserves the right to make product changes or improvements without prior notice.



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