



Lochinvar®

CHILLED WATER BUFFER TANK

Submittal Sheet

CWB-Sub-07

CHILLED WATER BUFFER TANK

Job Name: _____

Location: _____

Engineer: _____

Agent/Wholesaler: _____

Contractor: _____

Model Number: _____ Gallon Capacity: _____

Connection Location: _____ Working Pressure: _____
Upper Lower

Tank Surface: _____ Tank Height: _____ Tank Dia.: _____
Bare Foam

Water Connections Size: _____ Type: _____

Equipment Tag(s): _____

NOTES:



Standard Features

- Vertical internal baffle to encourage proper mixing of fluid
- 125 PSI Working Pressure
- ASME Sec VIII, U-Stamped Vessel
- Flanged Connections
- Lifting Lugs
- Red Oxide Paint
- 5 Year Limited Warranty (see warranty for details)

Available Configurations

Buffer Tank w/ Upper Connections

Buffer Tank w/ Lower Connections

Optional Equipment

Temperature and Pressure Gauge

R-12 Spray Foam with UV Resistant Exterior

Handhole 4" x 6"

Automatic Air Vent

Manway 12" x 16" (300 gal. & above)

Flanged Connections

3"

4"

5"

6"

8" (300 gal. & above)

10" (300 gal. & above)

NPT Connections

2"

2-1/2"

3"

Additional Tappings (NPT)

1"

1.25"

1.5"

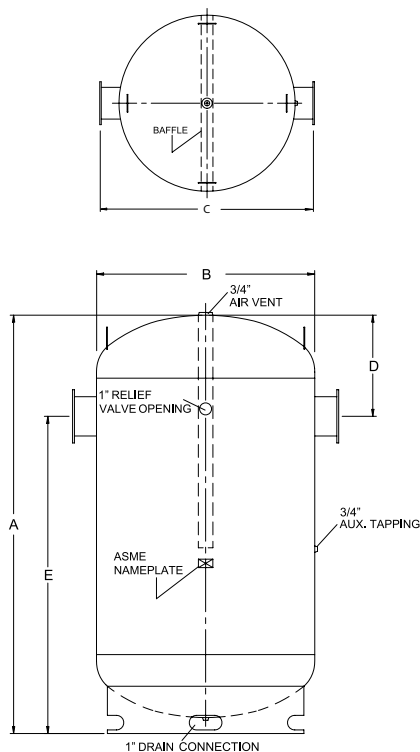
2"

2.5"

3"

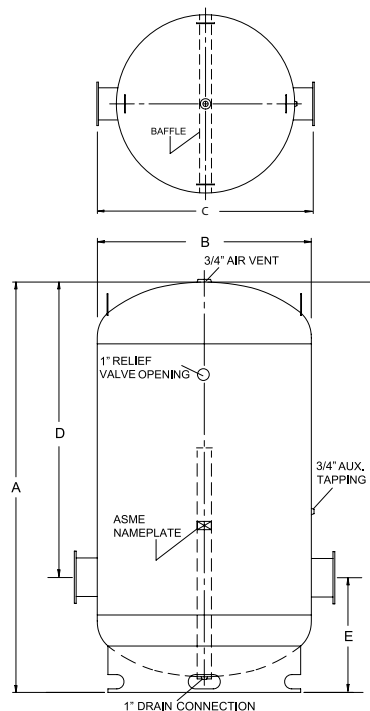
Buffer Tank Sizing Formula: $\text{Buffer Tank Size} = (\text{Required System Volume}) - (\text{Actual System Volume})$

- Notes:**
- The water connection size and type must be specified when placing an order.
 - If foam option is needed, change "V" to "F" in model number.
 - If ordering a foam tank with lower connections, change "L" to "B".
 - Consult factory for details about larger connection sizes, custom tank sizes, and connection configurations that are available.



Chilled Water Buffer Tank w/Upper Connections

Model Number	Gallon Cap	A	B	C	D	E	Std. Flange Conn. Size	Max. Conn. Dia*	Wt. (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 Number	Gallon Cap	A	B	C	D	E	Std. Flange Conn. Size	Max. Conn. Dia*	Wt. (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



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