HUBBELL
a **nudyne** company

BUFFER

STORAGE SERIES

Chilled Water Buffer Tanks for added cooling capacity

Adds cooling capacity to non-potable, closed-loop systems

- Prevents short cycling
- Carbon steel construction
- 5 Year warranty
- Alternate connection sizes available

Applications

Solar thermal systems, hydronic systems, heat pump water heaters, industrial process heating, and more

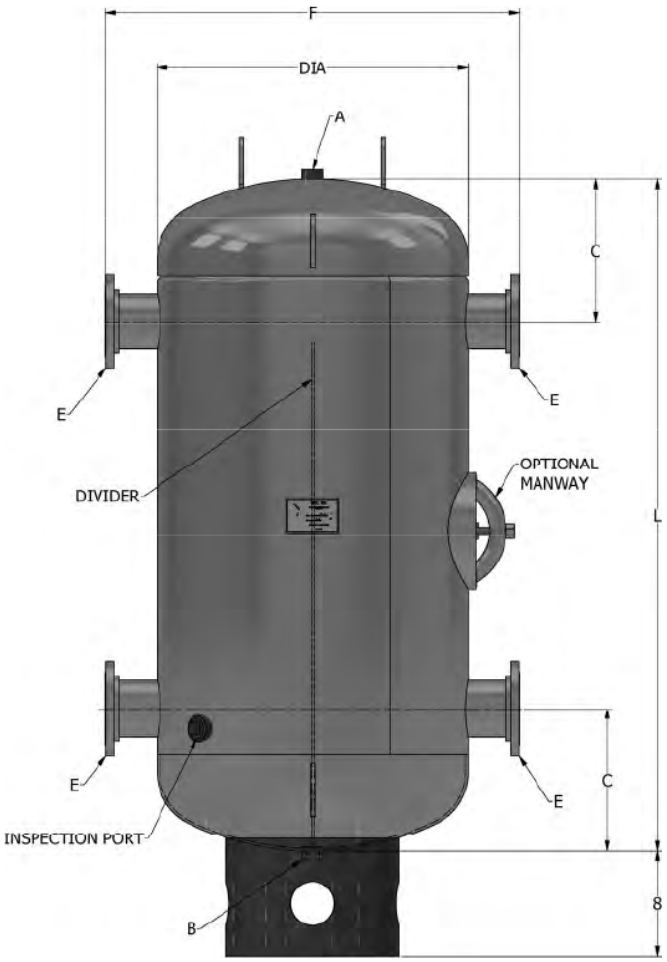
Hubbell heaters' chilled water buffer tanks add cooling capacity to non-potable, closed-loop systems where the peak demand would otherwise exceed the ability of the system to satisfy it. Hubbell can build buffer tanks for any storage capacity. Standard offerings from 120 to 1,040 gallons. Our chilled water tanks include an internal baffle to help mix the incoming flow stream and can be supplied with optional elastomeric exterior insulation. Installed in a system, the chilled water buffer tank reduces cycling, improves temperature control, and helps provide for a more even response to system demand.

Over 100 years of water heating expertise
Hubbell water heaters are the right choice for your commercial and industrial applications. We have water heating solutions for most energy sources with storage capacities from 1–10,000 gallons — all designed, engineered, and manufactured for reliability and longevity coupled with unparalleled support and service.

NOTE: Manufactured in an ISO 9001:2015 facility. BABA & BAA compliance is available upon request.

Meets the requirements of the ASME Boiler and Pressure Vessel Code

hubbellheaters.com **sales@hubbellheaters.com** **203.378.2650**



BUFFER TANK SHOWN IN 4-PORT CONFIGURATION. ACTUAL CONFIGURATION DETERMINED BY PRODUCT CODE

Standard Features

- Welded carbon steel vessel designed and built-in strict accordance with the ASME Code Section VIII and stamped, certified, and registered with the National Board of Boiler and Pressure Vessel Inspectors.
- Designed for 125 psig max design pressure, higher design pressures up to 300 psig are available.
- Internal baffle depending on design.
- Ring base support and two lift lugs are standard.
- Red oxide primer exterior finish.
- Inspections opening provided according to ASME code.
- Standard one (1) year tank warranty. Optional extended

Model	Capacity (Gallons)	Dimensions (inches)								
		Diameter DIA	Length L	Vent A	Drain B	C	D	E	F	Weight LB
CBV125-24060	**120**	24	60	1	1	12	20	2" NPT	36	537
CBV125-30072	**200**	30	72	1	1	14	24	3" FLG	42	756
CBV125-30090	**250**	30	90	1	1	14	24	3" FLG	42	867
CBV125-36072	**300**	36	72	1	1	16	24	4" FLG	48	943
CBV125-36094	**400**	36	94	1	1	16	24	4" FLG	48	1165
CBV125-42090	**500**	42	90	1-½	1	18	30	6" FLG	54	1350
CBV125-48096	**680**	48	96	1-½	1	20	32	6" FLG	60	1690
CBV125-54096	**850**	54	96	1-½	1	22	32	6" FLG	66	2057
CBV125-60096	**1040**	60	96	1-½	1	24	32	6" FLG	72	2757

All dimensions are approximate and subject to change. Please reference the submittal drawing for actual dimensions.
The tank selections above are shown for convenience. A full selection of storage capacities is available from the factory.

Buffer Storage Model Number Designation

MODEL	ORIENTATION	RATING (VESSEL)	DIAMETER (VESSEL)	HEIGHT/ LENGTH (VESSEL)	VESSEL LINING/ MATERIAL	PORT TYPE	CONNECTION SIZE	CONNECTION TYPE
CB	**V**=Vertical **H**=Horizontal	**125** = ASME 125 **150** = ASME 150 **300** = ASME 300	Inches	Inches	**CS** = Carbon Steel **SS** = Stainless Steel **E** = Epoxy	**U** = Upper, 2-Port **L** = Lower, 2-port **4** = 4-port	Inches	**F** = Flanged **T** = Threaded **G** = Grooved
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Example: CBV125-48072CS-L4F

Chilled Water Buffer Tank, ASME 125, Ø48” x 72” OAH carbon steel vessel with 2 x 4” flanged, lower connections.

Optional Equipment *Optional equipment must be called out in the written specifications*

- Available in vertical and horizontal configurations
- Anchor clips
- Leg supports
- Threaded, flanged or grooved port connections
- Two (2), four (4) or custom port configuration
- 12" x 16" manway available depending on tank size
- 1" thick elastomeric insulation (R4) or closed cell spray foam (up to R21)

Please note: All optional equipment for a buffer tank must be called out in the written specifications. A model number in and of itself does not reflect any optional equipment selected. Optional equipment may impact overall dimensions and weight. Please request submittal drawing from factory. specifications. A model number in and of itself does not reflect any optional equipment selected. Optional equipment may impact overall dimensions and weight. Please request submittal drawing from factory.