

BUFFER TANKS

For Domestic Water Systems



UP TO 150 PSIG / 250 °F
STORAGE TO 1,000 GALLONS

RECO
USA

The Water Heater and Pressure Vessel Experts

BT2[®] SERIES BUFFER TANKS

Our **BT2** buffer tanks add heating or cooling capacity to non-potable, closed-loop systems where the peak demand would otherwise exceed the ability of the system to satisfy it. They are found with low-mass boilers, geothermal systems, and large-scale environmental control systems.

BT2 buffer tanks are generally used in two ways:

- **Chilled Water Buffer Tanks** - In air conditioning and refrigeration systems these tanks help satisfy demand when cooling loads are low by drawing from the chilled water they hold. This avoids the need for a full system start, which reduces equipment wear and overall energy consumption.
- **Hot Water Buffer Tanks** - The **BT2** provides both thermal mass and thermal storage to a system. The thermal mass helps stabilize the water temperature while the thermal storage provides capacity during periods of low demand. This reduces the number of boiler starts and need for full system operation.

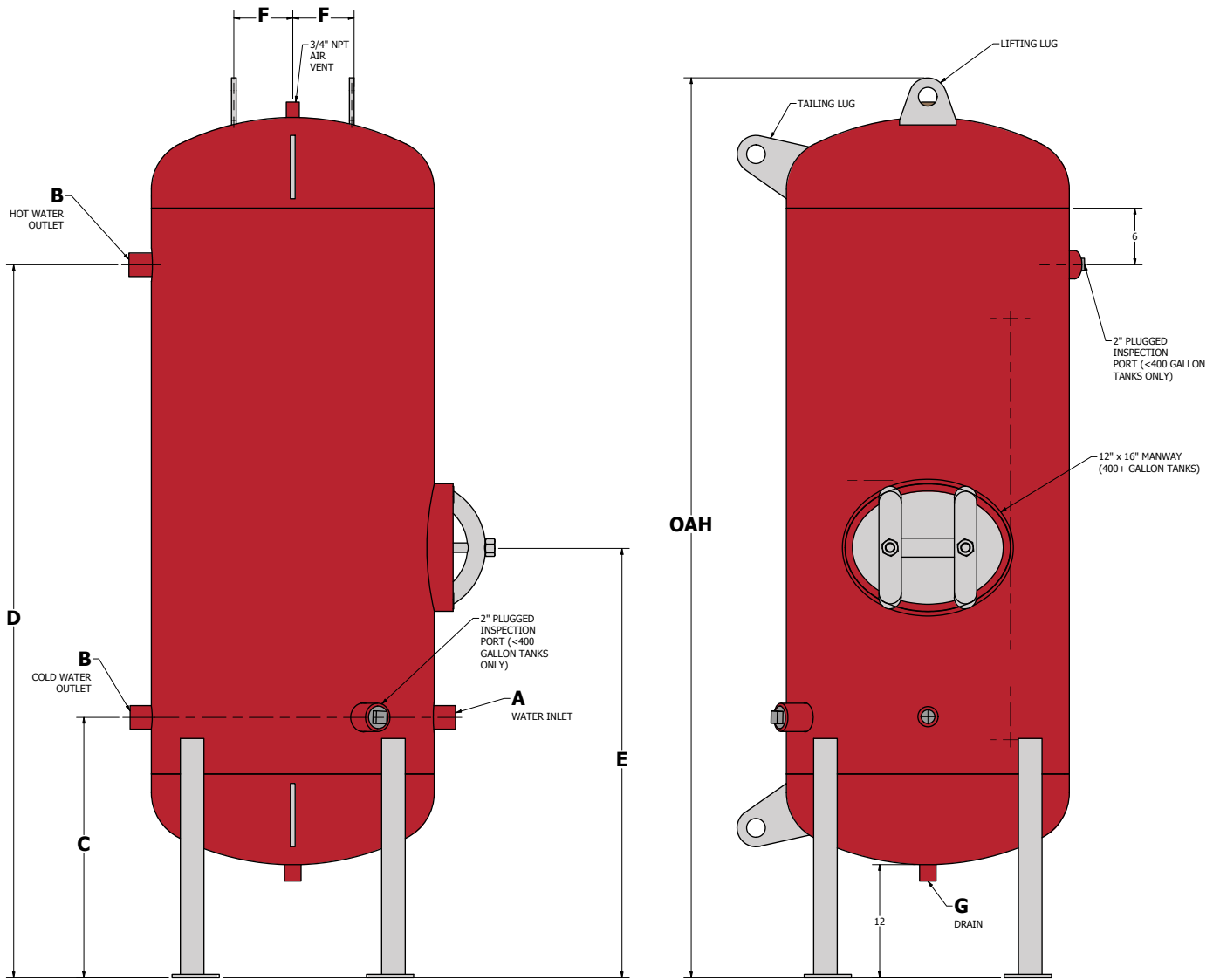
The **BT2** series is designed for storage capacities from 200 to 1,000 gallons. Our hot water buffer tanks are provided with an internal inlet deflector and are available with a fully insulated and jacketed exterior. Our chilled water tanks include an internal partition to help mix the incoming flow stream, and they can be supplied with optional elastomeric exterior insulation as well.

Installed in a system, the **BT2** reduces cycling, improves temperature control, and helps provide for a more even response to system demand.

KEY FEATURES

- Materials ASTM SA-516-70 carbon steel tanks as standard.
- Specifications Designed to ASME B & PV Code, Section VIII, Division I.
- Ratings 150 PSIG max design pressure, 250 °F max design temperature.
- Connections All connections 2 ½” and larger are ANSI raised face flanged.
- Exteriors Sandblasted per SSPC-SP 6 and coated with a red oxide primer.
- Orientation Vertically mounted with (4) support legs.

STANDARD DIMENSIONS



Capacity (Gals.)	A & B	C	D	E	F	G	OAH	Nominal Tank Size	Weight (Lbs.)
200	1 1/2" FNPT	27 5/8"	75 5/8"	-	6"	1" FNPT	95 1/2"	30" x 60"	619
300	1 1/2" FNPT	27 5/8"	111 5/8"	-	6"	1" FNPT	131 1/2"	30" x 96"	871
400	1 1/2" FNPT	30 5/8"	72 5/8"	48 5/8"	8"	1 1/2" FNPT	95 1/4"	42" x 54"	1,108
500	1 1/2" FNPT	30 5/8"	90 5/8"	48 5/8"	8"	1 1/2" FNPT	113 1/4"	42" x 72"	1,285
600	1 1/2" FNPT	30 5/8"	108 5/8"	48 5/8"	8"	1 1/2" FNPT	131 1/4"	42" x 90"	1,462
800	2" FNPT	32 3/16"	110 3/16"	50 3/16"	10"	1 1/2" FNPT	134"	48" x 90"	1,712
1000	2" FNPT	32 3/16"	140 3/16"	50 3/16"	110"	1 1/2" FNPT	164"	48" x 120"	2,050

We Are RECO USA: The Water Heater and Pressure Vessel Experts



For over a century the RECO USA name has meant quality. Today we are recognized as one of the country's leading suppliers of water heaters and pressure vessels for the commercial, institutional, industrial, pulp and paper, oil and gas, power generation and chemical industries.

In fact, it is hard to find an industry, market, or application today that doesn't rely on the quality, safety, and convenience that RECO USA brings to their most critical services and processes.

To learn more, contact us or any one of our North American sales representatives.

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