

Vaughn Thermal Corporation



D4B

Hydronic Buffer Tanks

Available From 10 - 119 Gallon Capacities

FEATURES

Quality Construction

- Heavy gauge carbon steel storage vessel
- Four 1.5" NPT primary/secondary connections
- Air eliminator (not included) prevents air accumulation in the system
- Immersion thermostat control well for accurate temperature control
- 3/4" boiler drain provides easy access for sediment removal
- 3 year, non pro-rated warranty



High Performance and High Efficiency

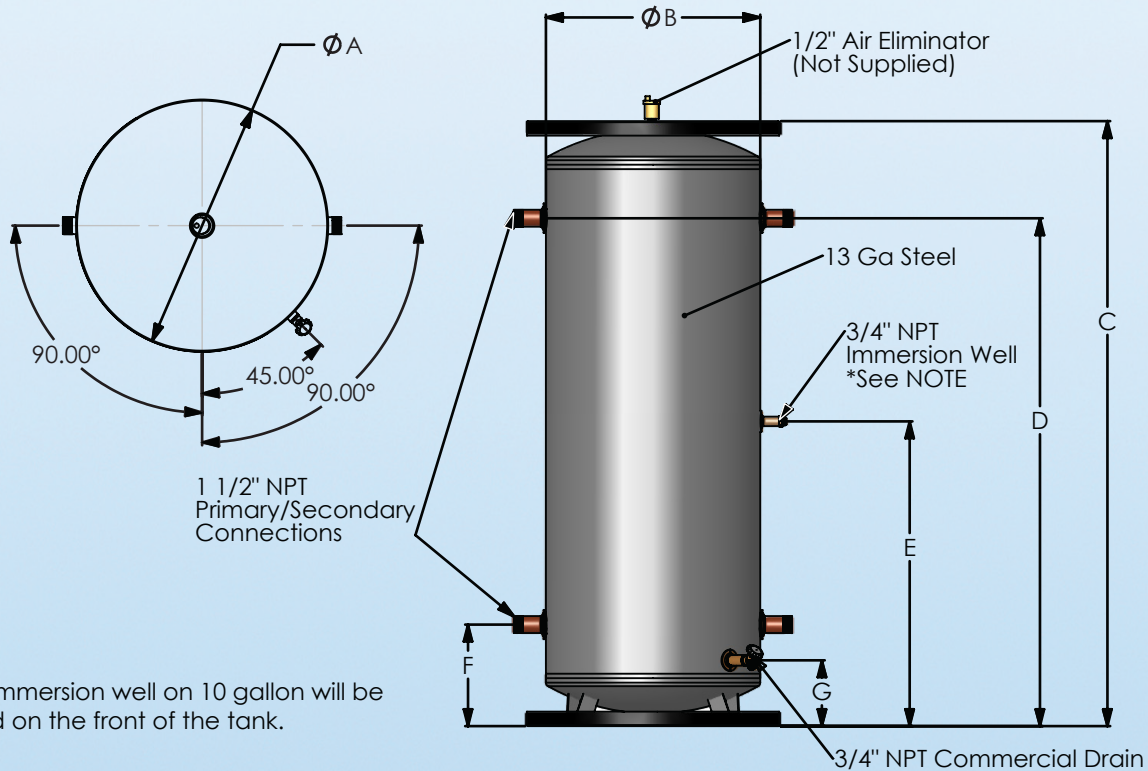
Vaughn's Hydronic Buffer tanks are designed to be used in closed loop heating systems with low-mass boilers, geothermal systems, wood boiler installations, and chilled water applications. A buffer tank helps to improve system efficiency in hydronic systems operating below the design load conditions by preventing the low-mass boiler from short cycling. System short cycling can cause the heat pump or boiler to operate less efficiently and may also lead to premature equipment failure. Vaughn buffer tanks are manufactured using a heavy gauge steel inner tank surrounded by a minimum of 2" foam insulation, resulting in very low standby heat loss. The vessel is protected by a high-impact composite jacket material which cannot rust or corrode.

The hydronic buffer tanks are available in sizes ranging from 10-119 gallons, and is manufactured with four 1.5" tappings for primary/secondary connections. An immersion temperature control well is located in the middle of the tank to ensure accurate temperature sensing for heating and geothermal applications, along with a conveniently located boiler drain for periodic sediment removal. Also included is a fitting for an air eliminator at the top of the vessel, reducing air accumulation (and the potential for corrosion) in the system.

Built With You In Mind

High Efficiency • Superior Performance • Long Service Life

Vaughn Water Heaters... The Difference is Clear



* NOTE: Immersion well on 10 gallon will be centered on the front of the tank.

SPECIFICATIONS

Storage Capacity (Gallons)	A	B	C	D	E	F	G
10	20	16	21.5	13.5	11.125	8.0625	7.5
20	20	16	32.75	25.25	17.125	9	7.5
30	20	16	40.625	32.75	20.875	9	7.5
40	20	16	56.25	48.5	28.75	9	7.5
50	23	19	49.75	41	25	9.375	7.875
80	26	22	57.25	48.25	28.75	9.375	7.875
100	26	22	67.5	58.875	34.125	9.375	7.875
120	28	24	67.5	58.875	34.125	9.375	7.875

OPTIONS

- Custom primary/secondary connection size: specify 1.5", 2" or 3" (1.5" connections standard)
- Optional electric backup elements (up to 12kW)
- Available: 1 or 2 side-mount, all copper heat exchangers. Specify 3/4" (single or double wall) or 1" (single wall only)
- Hydrastone Cement Lining
- Air Eliminator available upon request



Vaughn Headquarters and Adjacent 6MW Solar Array

Committed to continuous improvement... Continuing research results in product improvement; therefore specifications are subject to change without notice. For the most updated information, consult factory directly.

About Vaughn

Headquartered in Massachusetts since 1961, Vaughn Thermal Corporation is the leading manufacturer of cement lined water heaters. The company produces electric, hybrid, indirect and solar water heaters for residential and commercial applications. Vaughn also designs and manufactures digital energy controllers and electronic devices used by electric utilities for load controlling water heaters.

For more information, please visit us on the web at:
www.vaughncorp.com

Vaughn Product Line

- Residential Electric Water Heaters
- Hybrid Heat Pump Water Heaters
- Commercial Electric Water Heaters
- Indirect Water Heaters
- Solar Water Heaters
- Range Boilers
- Storage Tanks / Aqua Boosters
- Geothermal Tanks
- Sanitizing Tanks
- Off Peak Timers
- Digital Energy Controllers
- Electronic Controls

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MADE IN USA

