

Commercial Large Volume Jacketed and Insulated Storage Tanks



Photo is of
NV280JG5A

The Large Volume Jacketed and Insulated Storage Tank Models Feature:

- **Vertical or Horizontal Construction**—Horizontal models require two saddles and have two additional 3" NPT fittings.
- **Steel Jacket**—Sturdy heavy gauge steel jacket.
- **2" High Density Foam Insulation**—Covers the side and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Vitraglas® Lining**—Bradford White tanks are lined with an exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **Water Connections**—Two female 3" NPT fittings are located on the front for ease of service and installation. Additional size fittings are available as an option.
- **Magnesium Anode Rods**—Provide added protection against corrosion for long trouble-free service.
- **One 3/4" NPT Aquastat Fitting**—Located in the lower part of the tank.
- **Optional Handhole Cleanout and Manway**—4" x 6" diameter Handhole cleanout and 12"x16" diameter Manway opening allows removal of sediment and inspection of interior surface.
— **Manway required on all tanks with a vessel diameter of 42" or greater.**
- **Optional HydroJet HC®**—Stainless steel, dielectrically isolated recirculation tube minimizes turbulence and directs the hottest water to the top of the tank to maximize hot water delivery.
- **Designed for Storage of Potable Water up to 180°F (82°C).**
- **All Tanks are Constructed and Certified**—In accordance with ASME Sect. IV, Part HLW for 125 PSI (862 kPa). 150 PSI (1034 kPa) is available as an option.

Sample Specification:

The storage tank shall be a Bradford White Jacketed and Insulated model with an actual rated storage capacity of not less than _____ gallons (_____ liters), and overall dimensions of _____ inches (_____ cm.) in height, by _____ inches (_____ cm.) in diameter. The tank shall be Vitraglas® lined, and be built in accordance with ASME Boiler and Pressure Vessel Code ASME IV, Part HLW for 125 PSI (862 kPa) and so labeled, with a working pressure of _____ P.S.I. (_____ kPa). The storage tank shall have Non-CFC foam insulation and carry a five (5) year limited warranty (ten (10) year limited warranty available on Double Vitraglas® lining).



5-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 6,442,178; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012.

Hydrojet HC® and Vitraglas® are a registered trademarks of Bradford White® Corporation.

Commercial Large Volume Storage Tanks

Jacketed Models

Meet or exceed ASHRAE 90.1b (current standard)

Model Number	Capacity		A		B Jacket Dia.	Required Manway	C Floor to Return Conn.	D Hot Water Outlet Conn. Size	Approx. Shipping Weight @125 PSI
	Actual U.S. Gal.	Nominal U.S. Gal.	Vert. Height in.	Horiz. Length in.	in.		in.	in.	lbs.
N†175J*5A	175	193	71	67	34	—	19½	2½	438
N†210J*5A	210	229	83	79	34	—	19½	2½	493
N†240J*5A	240	260	93	89	34	—	19½	2½	539
N†280J*5A	280	303	107	103	34	—	19½	2½	603
N†285J*5A	285	318	80	76	40	—	21	2½	667
N†310J*5A	310	344	86	82	40	—	21	2½	710
N†320J*5A	320	340	119	115	34	—	19½	2½	658
N†340J*5A	340	375	93	89	40	—	21	2½	760
N†360J*5A	360	397	98	94	40	—	21	2½	796
N†415J*5A	415	449	110	106	40	—	21	2½	881
N†435J*5A	435	486	89	85	46	YES	22½	3	917
N†453J*5A	453	504	89	88	46	YES	22½	3	942
N†465J*5A	465	502	122	118	40	—	21	2½	967
N†500J*5A	500	572	81	77	52	YES	24	3	1176
N†505J*5A	505	558	101	97	46	YES	22½	3	1017
N†515J*5A	515	555	134	130	40	—	21	2½	1053
N†575J*5A	575	630	113	109	46	YES	22½	3	1117
N†580J*5A	580	658	92	88	52	YES	24	3	1310
N†645J*5A	645	702	125	121	46	YES	22½	3	1217
N†675J*5A	675	752	104	100	52	YES	24	3	1456
N†720J*5A	720	774	137	133	46	YES	22½	3	1317
N†765J*5A	765	846	116	112	52	YES	24	3	1602
N†790J*5A	790	846	147	143	46	YES	22½	3	1400
N†840J*5A	840	940	128	124	52	YES	24	3	1748
N†875J*5A	875	981	107	103	58	YES	27½	3	1776
N†1040J*5A	1040	1128	149	145	52	YES	24	3	2003
N†1245J*5A	1245	1395	124	120	64	YES	29	3	3326
N†1530J*5A	1530	1689	148	144	64	YES	27	3	3541

†V = Vertical, H=Horizontal.

*G = Glass Lined (Vitrugas®) (5 Year Warranty).

*D = Double Glass Lined (Vitrugas®) (10 Year Warranty).

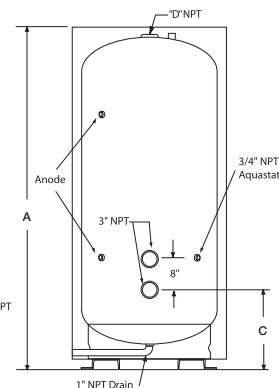
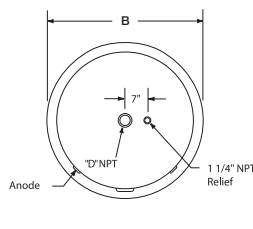
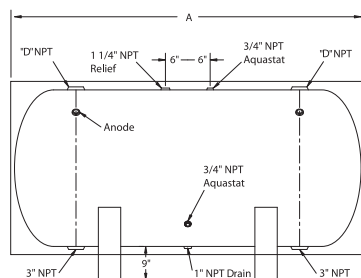
*E = Epoxy Lined (1 Year Warranty - Field Repairable).

*S = Stainless Steel Tank (1 Year Warranty).

Example: NV210JG5A.

Tank Options:

- Hand hole (4"x6")
- Manway (12"x16")
- Extra Tappings (1"- 4")
- Flanged Connections (3"- 10")
- 150 psi working pressure (add suffix -5)
- Hydrojet HC® (add suffix -1)



General

Front water connections 3" (76mm) NPT (except where noted). T&P tapping 1¼" (31.75mm) NPT. Aquastat tapping ¾" (19mm) NPT. Most storage tanks are manufactured with convex heads and bases. Some manufacturers list the tank capacity as "Nominal". Generally, this is the theoretical capacity calculated assuming a tank was actually manufactured using a flat (instead of convex) head and base. Bradford White lists both Actual and Nominal capacity for comparison purposes.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

International: Telephone 215-641-9400 • Telefax 215-641-9750 / www.bradfordwhite.com

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