

## Commercial Large Volume Jacketed and Insulated Energy Saver 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<sup>®</sup> Lining**—Bradford White tanks are lined with a exclusively engineered enamel formula that provides superior protection from the highly corrosive effects of hot water. This formula (Vitraglas<sup>®</sup>) is fused to the steel surface by firing at a temperature of over 1600°F.
- **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.
- **Optional HydroJet HC<sup>®</sup>**—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.



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

For more information on warranty, please visit [www.bradfordwhite.com](http://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.

# Commercial Large Volume Storage Tanks

## Jacketed Energy Saver Models

Model Number	Capacity		A		B	C	D	Approx. Shipping Weight @125 PSI
	Actual U.S. Gal.	Nominal U.S. Gal.	Vert. Height in.	Horiz. Length in.	Jacket Dia. in.	Floor to Return Conn. in.	Hot Water Outlet Conn. Size in.	
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	41	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	53	46	22½	3	917
N†453J*5A	453	504	89	53	46	22½	3	942
N†465J*5A	465	502	122	118	40	21	2½	967
N†500J*5A	500	572	81	59	52	24	3	1176
N†505J*5A	505	558	93	53	46	22½	3	1017
N†515J*5A	515	555	134	130	40	21	2½	1053
N†575J*5A	575	630	113	109	46	22½	3	1117
N†580J*5A	580	658	92	59	52	24	3	1310
N†645J*5A	645	702	125	121	46	22½	3	1217
N†675J*5A	675	752	104	59	52	24	3	1456
N†720J*5A	720	774	137	133	46	22½	3	1317
N†765J*5A	765	846	116	59	52	24	3	1602
N†790J*5A	790	846	147	143	46	22½	3	1400
N†840J*5A	840	940	128	124	52	24	3	1748
N†1040J*5A	1040	1128	149	145	52	24	3	2003

†V = Vertical, H=Horizontal.  
 \*G = Glass Lined (Vitrage®),  
 D=Double Glass Lined (Vitrage®)  
 S = Stainless Steel Tank.  
 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)

### 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 Vitrage® 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 Vitrage® lining).

### General

Front water connections 3" (76mm) NPT (except where noted). T&P tapping 1" (25mm) NPT. Aquastat tapping 3/4" (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.

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