

## Large Volume Carbon Steel Jacketed and Insulated Tanks Commercial Storage

### Features

- **Vitraglas® Lining with Microban®**—An exclusively engineered enamel formula that provides superior tank protection from the corrosive effects of water; and with Microban® antimicrobial product protection to help prevent the growth of bacteria, mold and mildew on the surface of the tank lining.
  - Vitraglas® (5-year Limited Warranty) & Double Vitraglas® (10-year Limited Warranty).
- **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.
- **Vertical or Horizontal Construction**—Horizontal models require two saddles and have two additional 3" (76mm) NPT fittings.

### Additional Details

- **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.
- **High Density Foam Insulation**—Covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—Two female NPT fittings are located on the front for ease of service and installation (reference chart for sizes). Additional size fittings are available as an option.
- **Optional Hand Hole Cleanout and Manway**—4"x 6" (102mmx152mm) diameter Hand Hole cleanout and 12"x16" (305mmx406mm) diameter Manway opening allow for removal of accumulated lime and sediment.
  - Manway standard on all tanks with a vessel diameter of 42" (1067mm) or greater.
- **Protective Anode Rods**—Provide added protection against corrosion for long-term, trouble-free service.
- **Steel Jacket**—Heavy gauge steel automatically formed, rolled, and welded.
- **One 3/4" (19mm) NPT Aquastat Fitting.**
- **Designed for Storage of Potable Water up to 180°F (82°C).**

#### Sample Specification:

The Carbon Steel storage tank shall be a Bradford White Jacketed and Insulated model with a nominal 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 lined with Vitraglas® vitreous enamel with Microban® antimicrobial technology, 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 \_\_\_\_\_ PSI (\_\_\_\_ kPa). The Carbon Steel 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).

#### GENERAL:

Front water connections 3" (76mm) NPT (except where noted). T&P tapping 1 1/4" (32mm) 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.*



Photo is of NV303JG5A



#### 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. See complete copy of the warranty included with the heater for limitations.

Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company.

# Large Volume Carbon Steel Jacketed and Insulated Tanks

## Commercial Storage

### SPECIFICATIONS

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition).

| Model Number | Capacity (Gal.) |        | Capacity (Liters) |        | A Vertical Height | A Horizontal Height | A Vertical Height | A Horizontal Height | B Horizontal Length | B Horizontal Length | C Diameter | C Diameter | D Hot Water Outlet Conn. Size (in.) | D Hot Water Outlet Conn. Size (mm.) | (Vert.) Shipping Weight (lbs.) | (Horiz.) Shipping Weight (lbs.) | (Vert.) Shipping Weight (kg.) | (Horiz.) Shipping Weight (kg.) | Required Manway |
|--------------|-----------------|--------|-------------------|--------|-------------------|---------------------|-------------------|---------------------|---------------------|---------------------|------------|------------|-------------------------------------|-------------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-----------------|
|              | Nominal         | Actual | Nominal           | Actual | (in.)             | (in.)               | (mm.)             | (mm.)               | (in.)               | (mm.)               | (in.)      | (mm.)      |                                     |                                     |                                |                                 |                               |                                |                 |
| N†193J*A     | 193             | 175    | 731               | 662    | 71                | 41                  | 1803              | 1041                | 67                  | 1702                | 34         | 864        | 2.5                                 | 64                                  | 548                            | 570                             | 249                           | 259                            | —               |
| N†229J*A     | 229             | 210    | 867               | 795    | 83                | 41                  | 2108              | 1041                | 79                  | 2007                | 34         | 864        | 2.5                                 | 64                                  | 613                            | 613                             | 278                           | 278                            | —               |
| N†260J*A     | 260             | 240    | 984               | 908    | 93                | 41                  | 2362              | 1041                | 89                  | 2261                | 34         | 864        | 2.5                                 | 64                                  | 673                            | 755                             | 305                           | 342                            | —               |
| N†303J*A     | 303             | 280    | 1147              | 1060   | 107               | 41                  | 2718              | 1041                | 103                 | 2616                | 34         | 864        | 2.5                                 | 64                                  | 700                            | 728                             | 318                           | 330                            | —               |
| N†318J*A     | 318             | 285    | 1204              | 1079   | 80                | 47                  | 2032              | 1194                | 76                  | 1930                | 40         | 1016       | 2.5                                 | 64                                  | 714                            | 776                             | 324                           | 352                            | —               |
| N†340J*A     | 340             | 320    | 1287              | 1211   | 119               | 41                  | 3023              | 1041                | 115                 | 2921                | 34         | 864        | 2.5                                 | 64                                  | 730                            | 774                             | 331                           | 351                            | —               |
| N†344J*A     | 344             | 310    | 1302              | 1173   | 86                | 47                  | 2184              | 1194                | 82                  | 2083                | 40         | 1016       | 2.5                                 | 64                                  | 782                            | 827                             | 355                           | 375                            | —               |
| N†375J*A     | 375             | 340    | 1420              | 1287   | 93                | 47                  | 2362              | 1194                | 89                  | 2261                | 40         | 1016       | 2.5                                 | 64                                  | 845                            | 876                             | 383                           | 397                            | —               |
| N†397J*A     | 397             | 360    | 1503              | 1363   | 98                | 47                  | 2489              | 1194                | 94                  | 2388                | 40         | 1016       | 2.5                                 | 64                                  | 894                            | 935                             | 406                           | 424                            | —               |
| N†449J*A     | 449             | 415    | 1700              | 1571   | 110               | 47                  | 2794              | 1194                | 106                 | 2692                | 40         | 1016       | 2.5                                 | 64                                  | 982                            | 1016                            | 445                           | 461                            | —               |
| N†486J*A     | 486             | 435    | 1840              | 1647   | 89                | 53                  | 2261              | 1346                | 85                  | 2159                | 46         | 1168       | 3                                   | 76                                  | 1024                           | 1110                            | 464                           | 503                            | YES             |
| N†502J*A     | 502             | 465    | 1900              | 1760   | 122               | 47                  | 3099              | 1194                | 118                 | 2997                | 40         | 1016       | 2.5                                 | 64                                  | 1106                           | 1157                            | 502                           | 525                            | —               |
| N†504J*A     | 504             | 453    | 1908              | 1715   | 92                | 53                  | 2337              | 1346                | 88                  | 2235                | 46         | 1168       | 3                                   | 76                                  | 1074                           | 1049                            | 487                           | 476                            | YES             |
| N†555J*A     | 555             | 515    | 2101              | 1949   | 134               | 47                  | 3404              | 1194                | 130                 | 3302                | 40         | 1016       | 2.5                                 | 64                                  | 1194                           | 1260                            | 542                           | 572                            | —               |
| N†558J*A     | 558             | 505    | 2112              | 1912   | 101               | 53                  | 2565              | 1346                | 97                  | 2464                | 46         | 1168       | 3                                   | 76                                  | 1168                           | 1181                            | 530                           | 536                            | YES             |
| N†572J*A     | 572             | 500    | 2165              | 1893   | 81                | 59                  | 2057              | 1499                | 77                  | 1956                | 52         | 1321       | 3                                   | 76                                  | 1381                           | 1449                            | 626                           | 657                            | YES             |
| N†630J*A     | 630             | 575    | 2385              | 2177   | 113               | 53                  | 2870              | 1346                | 109                 | 2769                | 46         | 1168       | 3                                   | 76                                  | 1292                           | 1263                            | 586                           | 573                            | YES             |
| N†658J*A     | 658             | 580    | 2491              | 2196   | 92                | 59                  | 2337              | 1499                | 88                  | 2235                | 52         | 1321       | 3                                   | 76                                  | 1539                           | 1593                            | 698                           | 723                            | YES             |
| N†702J*A     | 702             | 645    | 2657              | 2442   | 125               | 53                  | 3175              | 1346                | 121                 | 3073                | 46         | 1168       | 3                                   | 76                                  | 1392                           | 1352                            | 631                           | 613                            | YES             |
| N†752J*A     | 752             | 675    | 2847              | 2555   | 104               | 59                  | 2642              | 1499                | 100                 | 2540                | 52         | 1321       | 3                                   | 76                                  | 1653                           | 1750                            | 750                           | 794                            | YES             |
| N†774J*A     | 774             | 720    | 2930              | 2725   | 137               | 53                  | 3480              | 1346                | 133                 | 3378                | 46         | 1168       | 3                                   | 76                                  | 1498                           | 1460                            | 679                           | 662                            | YES             |
| N†834J*A     | 834             | 776    | 3157              | 2973   | 147               | 53                  | 3734              | 1346                | 143                 | 3632                | 46         | 1168       | 3                                   | 76                                  | 1587                           | 1547                            | 720                           | 702                            | YES             |
| N†846J*A     | 846             | 765    | 3202              | 2896   | 116               | 59                  | 2946              | 1499                | 112                 | 2845                | 52         | 1321       | 3                                   | 76                                  | 1803                           | 1925                            | 818                           | 873                            | YES             |
| N†940J*A     | 940             | 860    | 3558              | 3255   | 128               | 59                  | 3251              | 1499                | 124                 | 3150                | 52         | 1321       | 3                                   | 76                                  | 1947                           | 2069                            | 883                           | 938                            | YES             |
| N†981J*A     | 981             | 875    | 3713              | 3312   | 107               | 65                  | 2718              | 1651                | 103                 | 2616                | 58         | 1473       | 3                                   | 76                                  | 2200                           | 2275                            | 998                           | 1032                           | YES             |
| N†1119J*A    | 1119            | 1000   | 4236              | 3785   | 121               | 65                  | 3073              | 1651                | 117                 | 2972                | 58         | 1473       | 3                                   | 76                                  | 2400                           | 2475                            | 1089                          | 1123                           | YES             |
| N†1128J*A    | 1128            | 1040   | 4270              | 3937   | 149               | 59                  | 3785              | 1499                | 145                 | 3683                | 52         | 1321       | 3                                   | 76                                  | 2216                           | 2407                            | 1005                          | 1092                           | YES             |
| N†1174J*A    | 1174            | 1000   | 4444              | 3785   | 104               | 71                  | 2642              | 1803                | 97                  | 2464                | 64         | 1626       | 3                                   | 76                                  | 2600                           | 2675                            | 1179                          | 1213                           | YES             |
| N†1219J*A    | 1219            | 1110   | 4614              | 4202   | 129               | 65                  | 3277              | 1651                | 127                 | 3226                | 58         | 1473       | 3                                   | 76                                  | 2575                           | 2650                            | 1168                          | 1202                           | YES             |
| N†1327J*A    | 1327            | 1217   | 5023              | 4607   | 142               | 65                  | 3607              | 1651                | 138                 | 3505                | 58         | 1473       | 3                                   | 76                                  | 2750                           | 2825                            | 1247                          | 1281                           | YES             |
| N†1395J*A    | 1395            | 1245   | 5281              | 4713   | 122               | 71                  | 3099              | 1803                | 118                 | 2997                | 64         | 1626       | 3                                   | 76                                  | 3050                           | 3125                            | 1383                          | 1417                           | YES             |
| N†1689J*A    | 1689            | 1530   | 6394              | 5792   | 146               | 71                  | 3708              | 1803                | 142                 | 3607                | 64         | 1626       | 3                                   | 76                                  | 3500                           | 3575                            | 1586                          | 1622                           | YES             |
| N†1761J*A    | 1761            | 1538   | 6666              | 5822   | 106               | 81                  | 2692              | 2057                | 100                 | 2540                | 72         | 1829       | 3                                   | 76                                  | 2677                           | 2942                            | 1214                          | 1334                           | YES             |
| N†2061J*A    | 2061            | 1800   | 7802              | 6814   | 123               | 81                  | 3124              | 2057                | 117                 | 2972                | 72         | 1829       | 3                                   | 76                                  | 3035                           | 3305                            | 1377                          | 1499                           | YES             |
| N†2115J*A    | 2115            | 1865   | 8006              | 7060   | 126               | 81                  | 3200              | 2057                | 120                 | 3048                | 72         | 1829       | 3                                   | 76                                  | 3099                           | 3369                            | 1406                          | 1528                           | YES             |
| N†2256J*A    | 2256            | 2000   | 8540              | 7571   | 134               | 81                  | 3404              | 2057                | 128                 | 3251                | 72         | 1829       | 3                                   | 76                                  | 3267                           | 3540                            | 1482                          | 1606                           | YES             |

† V = Vertical, H = Horizontal  
 \* G5 = Vitraglas® (5-yr. Limited Warranty)  
 \* D10 = Double Vitraglas® (10-yr. Limited Warranty)  
 \* E1 = Epoxy (1-yr. Limited Warranty - Field Repairable)  
 Example: NV1219JG5A.

#### Tank Options:

- Hand Hole (4"x6") (102mm x 152mm) ..... (Add suffix **-HH**)
- Manway (12"x16") (305mm x 406mm) ..... (Add suffix **-MW**; not required on models with standard manway)
- Extra Tappings (1" - 4") (25mm - 102mm)
- Flanged Connections (3" - 10") (76mm - 254mm)
- 150 PSI (1034 kPa) working pressure ..... (Add suffix **-150**)
- Hydrojet® HC ..... (Part number 629-100191-000)
- Seismic Clips

\* For other options consult factory

