

## Horizontal or Vertical Jacketed & Insulated

Lochinvar's Hot Water Generator Systems are ideal when boiler capacity is sufficiently sized to cover potable hot water demand and provide source water for hydronic heating systems. Hot Water Generator Systems use steam or boiler water as an energy source and can provide high recovery rates, making them an economical water heating system.

### *Availability*

Hot Water Generator Systems are pre-engineered and pre-assembled complete with all piping to meet your specific application. And like every Lochinvar product, we thoroughly test them to ensure proper performance from the moment they're installed.

Hot Water Generator Systems are available in horizontal or vertical configurations in a wide array of gallon capacities. Standard packages are available in tank sizes from 200-1000 gallons with single wall copper tube bundle heating units. *Custom configurations, smaller and larger tank and tube bundles, and optional control packages are also available. Consult the factory for specifications.*

**Tank Construction** – Lochinvar tanks are available with Glass or Cement lining.

**ASME** - All Lochinvar tanks are constructed in accordance with ASME standards and certified for 125 psi working pressure (standard) or 150 psi working pressure (optional).

**Cathodic Protection** – All glass lined tanks are equipped with magnesium anodes to provide protection against corrosion.

**Manway** – A manway is provided as an option on glass-lined tanks and is standard on cement lined tanks.

*\*Horizontal tanks with tube bundles 48" and longer require manway.*

**Tank Circulator Pump** – All standard Hot Water Generator systems are equipped with a circulator pump to maximize the amount of hot water provided.

**Five-Year Limited Tank Warranty** – Provides warranty protection against tank failure. (See warranty for details)

**One-Year Limited Warranty** – Tube Bundle, parts, accessories and controls (See warranty for details)

## Hot Water Generator Systems Water to Water Steam to Water



*Unit shown with optional control package.*

### *Optional Control Packages*

**Steam to Water** – Control packages include an isolation valve, 2-way self-operated temperature regulator, inlet and outlet wye strainers, a float and thermostatic steam trap and all necessary piping.

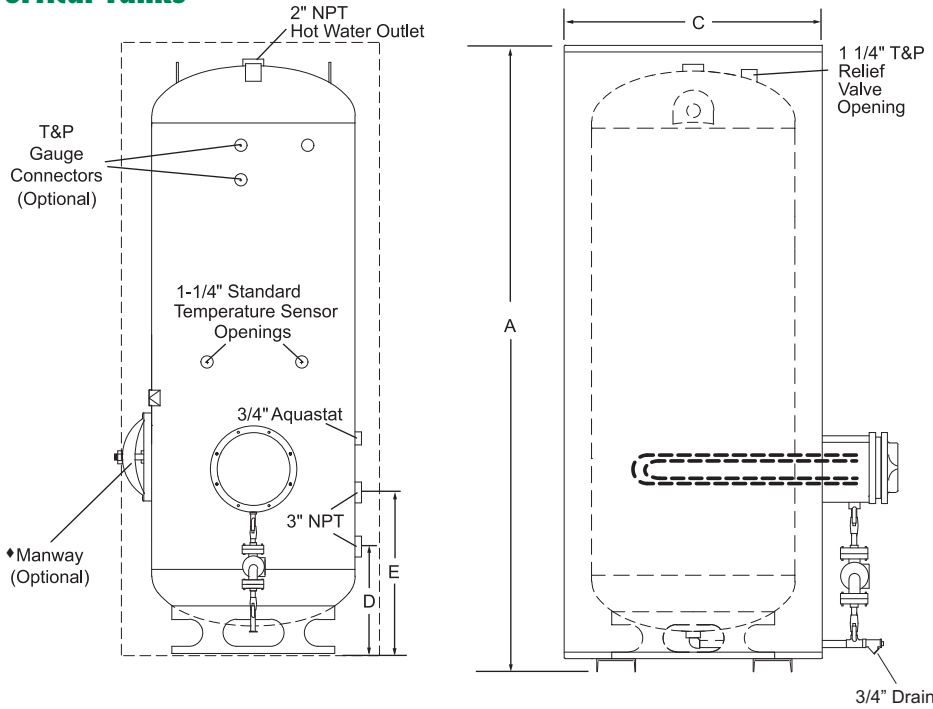
**Water to Water** – Control packages include isolation valves, 2-way self-operated temperature regulator, inlet wye strainer and all necessary piping.

### *Optional Equipment*

- Manual Reset High Limit w/ Solenoid Valve
- Manway (See notes on manway)
- 150 psi Tank Working Pressure
- Temperature & Pressure Gauge
- Vacuum Breaker

# Dimensions

## Vertical Tanks



## Ordering Information

EXAMPLE: GVG0504JR

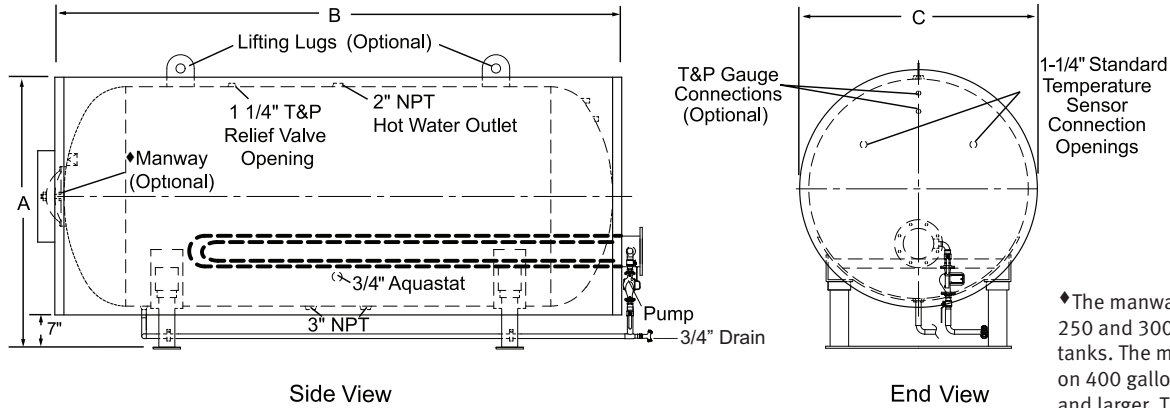
|                     |             |             |                 |           |
|---------------------|-------------|-------------|-----------------|-----------|
| <b>G</b>            | <b>V</b>    | <b>G</b>    | <b>0504</b>     | <b>JR</b> |
| HOT WATER GENERATOR | HORZ./VERT. | TANK LINING | GALLON CAPACITY | JACKETED  |

This Hot Water Generator is a Vertical Tank with Glass Lining, has a 504 gallon capacity that is round jacketed.

JR = Jacketed Round  
Leave blank for non-jacketed models.

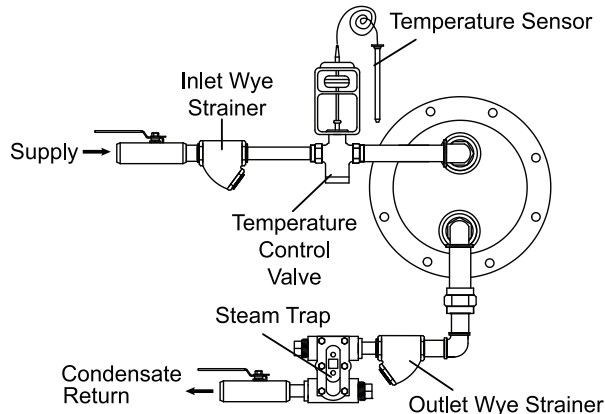
♦The manway is optional on 257 and 318 gallon glass-lined tanks. The manway is standard on 432 gallon glass lined tanks and larger. The manway is standard on all cement lined tanks.

## Horizontal Tanks

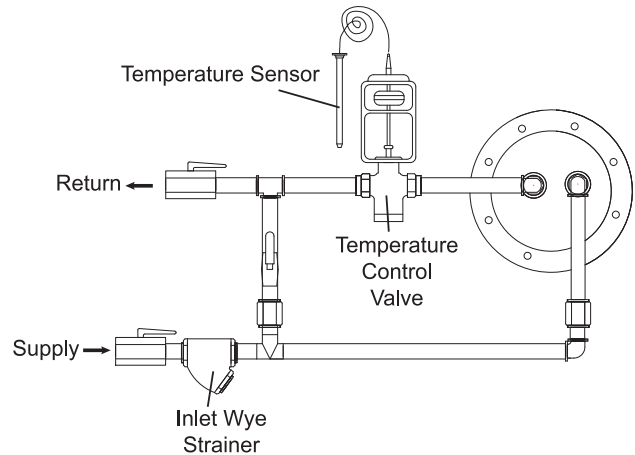


♦The manway is optional on 250 and 300 gallon glass-lined tanks. The manway is standard on 400 gallon glass lined tanks and larger. The manway is standard on all cement lined tanks.

## Steam to Water Optional Control Package



## Water to Water Optional Control Package



Left hand or right hand configurations available.

# Boiler Water Table - Recovery System

The listings are for boiler water temperatures and temperature rises that are most commonly used in the industry.

| Lochinvar Model Number         | 180°F Boiler Water |        |                | 200°F Boiler Water |        |                | 210°F Boiler Water |        |                |        |                |        |
|--------------------------------|--------------------|--------|----------------|--------------------|--------|----------------|--------------------|--------|----------------|--------|----------------|--------|
|                                | GPH @ 40-120°F     | GPM BW | GPH @ 40-140°F | GPH @ 40-120°F     | GPM BW | GPH @ 40-140°F | GPH @ 40-120°F     | GPM BW | GPH @ 40-140°F | GPM BW | GPH @ 40-160°F | GPM BW |
| <b>Four Inch Diameters</b>     |                    |        |                |                    |        |                |                    |        |                |        |                |        |
| 418                            | 73                 | 4      | 48             | 93                 | 6      | 57             | 4                  | 43     | 4              | 101    | 6              | 51     |
| 424                            | 98                 | 6      | 64             | 124                | 8      | 76             | 6                  | 58     | 5              | 135    | 9              | 68     |
| 430                            | 123                | 8      | 80             | 155                | 10     | 96             | 8                  | 72     | 7              | 168    | 11             | 85     |
| 436                            | 147                | 9      | 96             | 186                | 12     | 115            | 9                  | 87     | 8              | 202    | 13             | 102    |
| 448                            | 197                | 13     | 128            | 248                | 16     | 153            | 12                 | 116    | 11             | 270    | 18             | 136    |
| <b>Six Inch Diameters</b>      |                    |        |                |                    |        |                |                    |        |                |        |                |        |
| 618                            | 166                | 11     | 108            | 209                | 13     | 129            | 10                 | 98     | 9              | 227    | 15             | 162    |
| 624                            | 212                | 14     | 138            | 267                | 17     | 165            | 13                 | 125    | 12             | 291    | 19             | 207    |
| 630                            | 261                | 17     | 170            | 329                | 21     | 204            | 17                 | 154    | 15             | 358    | 23             | 255    |
| 636                            | 304                | 20     | 198            | 384                | 25     | 237            | 19                 | 180    | 18             | 417    | 27             | 297    |
| 648                            | 403                | 26     | 262            | 508                | 33     | 314            | 26                 | 238    | 23             | 552    | 36             | 393    |
| 660                            | 498                | 33     | 324            | 628                | 41     | 388            | 32                 | 294    | 29             | 683    | 45             | 486    |
| <b>Eight Inch Diameters</b>    |                    |        |                |                    |        |                |                    |        |                |        |                |        |
| 824                            | 429                | 28     | 279            | 541                | 36     | 334            | 27                 | 253    | 25             | 588    | 39             | 418    |
| 830                            | 543                | 36     | 353            | 684                | 45     | 423            | 35                 | 321    | 32             | 744    | 49             | 529    |
| 836                            | 657                | 43     | 427            | 828                | 55     | 512            | 42                 | 388    | 38             | 900    | 60             | 640    |
| 842                            | 770                | 51     | 500            | 970                | 64     | 600            | 50                 | 455    | 45             | 1055   | 70             | 750    |
| 848                            | 862                | 57     | 560            | 1086               | 72     | 672            | 56                 | 509    | 50             | 1181   | 78             | 840    |
| 860                            | 1008               | 67     | 655            | 1270               | 84     | 786            | 65                 | 596    | 59             | 1382   | 92             | 982    |
| <b>Ten Inch Diameters</b>      |                    |        |                |                    |        |                |                    |        |                |        |                |        |
| 1030                           | 1062               | 70     | 690            | 1338               | 89     | 828            | 69                 | 627    | 62             | 1455   | 97             | 1035   |
| 1036                           | 1262               | 84     | 820            | 1590               | 106    | 984            | 82                 | 746    | 74             | 1730   | 115            | 1230   |
| 1042                           | 1487               | 99     | 966            | 1874               | 124    | 1159           | 96                 | 879    | 87             | 2038   | 135            | 1449   |
| 1048                           | 1724               | 114    | 1120           | 2172               | 144    | 1344           | 112                | 1019   | 101            | 2363   | 157            | 1680   |
| 1060                           | 2152               | 143    | 1398           | 2712               | 180    | 1677           | 139                | 1272   | 127            | 2949   | 196            | 2097   |
| 1072                           | 2571               | 171    | 1670           | 3239               | 215    | 2004           | 167                | 1519   | 151            | 3523   | 234            | 2505   |
| <b>Twelve Inch Diameters</b>   |                    |        |                |                    |        |                |                    |        |                |        |                |        |
| 1236                           | 1749               | 116    | 1136           | 2203               | 146    | 1363           | 113                | 1033   | 103            | 2396   | 159            | 1704   |
| 1242                           | 2060               | 137    | 1338           | 2595               | 173    | 1605           | 133                | 1217   | 121            | 2823   | 188            | 2007   |
| 1248                           | 2371               | 158    | 1540           | 2987               | 199    | 1848           | 154                | 1401   | 140            | 3249   | 216            | 2310   |
| 1254                           | 2682               | 178    | 1742           | 3379               | 225    | 2090           | 174                | 1585   | 158            | 3675   | 245            | 2613   |
| 1260                           | 2993               | 199    | 1944           | 3771               | 251    | 2332           | 194                | 1769   | 176            | 4101   | 273            | 2916   |
| 1272                           | 3615               | 241    | 2348           | 4555               | 303    | 2817           | 234                | 2136   | 213            | 4954   | 330            | 3522   |
| <b>Fourteen Inch Diameters</b> |                    |        |                |                    |        |                |                    |        |                |        |                |        |
| 1436                           | 2363               | 157    | 1535           | 2977               | 198    | 1842           | 153                | 1396   | 139            | 3238   | 215            | 2302   |
| 1442                           | 2767               | 184    | 1797           | 3486               | 232    | 2156           | 179                | 1635   | 163            | 3791   | 252            | 2695   |
| 1448                           | 3172               | 211    | 2060           | 3996               | 266    | 2472           | 206                | 1874   | 187            | 4346   | 289            | 3090   |
| 1454                           | 3588               | 239    | 2330           | 4520               | 301    | 2796           | 233                | 2120   | 212            | 4916   | 327            | 3495   |
| 1460                           | 4011               | 267    | 2605           | 5053               | 336    | 3126           | 260                | 2370   | 237            | 5496   | 366            | 3907   |
| 1472                           | 4804               | 320    | 3120           | 6052               | 403    | 3744           | 312                | 2839   | 283            | 6583   | 438            | 4680   |

NOTE: Boiler water (BW) requirements are based on a 20°F temperature drop.

# Steam Table - Recovery Systems

The listings are for steam pressures and temperature rises that are most commonly used in the industry.

| Lochinvar Model Number         | 5 psi Steam          |           |           | 15 psi Steam         |           |                      | 25 psi Steam         |           |                      | 50 psi Steam         |           |                      |           |                      |           |      |      |      |       |      |       |       |      |       |
|--------------------------------|----------------------|-----------|-----------|----------------------|-----------|----------------------|----------------------|-----------|----------------------|----------------------|-----------|----------------------|-----------|----------------------|-----------|------|------|------|-------|------|-------|-------|------|-------|
|                                | GPH @ 40-120°F Steam | PPH Steam | Total PPH | GPH @ 40-120°F Steam | PPH Steam | GPH @ 40-160°F Steam | GPH @ 40-120°F Steam | PPH Steam | GPH @ 40-160°F Steam | GPH @ 40-120°F Steam | PPH Steam | GPH @ 40-140°F Steam | PPH Steam | GPH @ 40-160°F Steam | PPH Steam |      |      |      |       |      |       |       |      |       |
| <b>Four Inch Diameters</b>     |                      |           |           |                      |           |                      |                      |           |                      |                      |           |                      |           |                      |           |      |      |      |       |      |       |       |      |       |
| 418                            | 152                  | 105       | 119       | 102                  | 71        | 95                   | 171                  | 119       | 139                  | 121                  | 109       | 114                  | 188       | 132                  | 156       | 137  | 121  | 128  | 213   | 153  | 187   | 167   | 145  | 156   |
| 424                            | 202                  | 140       | 158       | 137                  | 122       | 126                  | 229                  | 159       | 186                  | 162                  | 145       | 152                  | 250       | 176                  | 208       | 183  | 162  | 171  | 284   | 204  | 249   | 223   | 193  | 208   |
| 430                            | 253                  | 175       | 198       | 171                  | 152       | 158                  | 286                  | 199       | 232                  | 203                  | 182       | 191                  | 313       | 220                  | 260       | 228  | 203  | 214  | 356   | 255  | 312   | 279   | 242  | 260   |
| 436                            | 304                  | 210       | 238       | 205                  | 183       | 190                  | 343                  | 239       | 279                  | 243                  | 218       | 229                  | 376       | 265                  | 312       | 274  | 243  | 257  | 427   | 306  | 374   | 335   | 290  | 312   |
| 448                            | 405                  | 280       | 317       | 274                  | 244       | 253                  | 458                  | 319       | 372                  | 325                  | 291       | 305                  | 501       | 353                  | 416       | 366  | 325  | 343  | 569   | 408  | 499   | 447   | 387  | 416   |
| <b>Six Inch Diameters</b>      |                      |           |           |                      |           |                      |                      |           |                      |                      |           |                      |           |                      |           |      |      |      |       |      |       |       |      |       |
| 618                            | 342                  | 236       | 267       | 231                  | 206       | 213                  | 386                  | 269       | 314                  | 274                  | 246       | 257                  | 423       | 298                  | 351       | 309  | 274  | 289  | 480   | 344  | 421   | 377   | 327  | 351   |
| 624                            | 437                  | 302       | 342       | 295                  | 263       | 273                  | 494                  | 344       | 401                  | 350                  | 314       | 329                  | 540       | 381                  | 448       | 394  | 350  | 370  | 614   | 440  | 538   | 482   | 418  | 449   |
| 630                            | 538                  | 372       | 421       | 364                  | 324       | 336                  | 608                  | 424       | 494                  | 431                  | 387       | 405                  | 666       | 466                  | 552       | 486  | 431  | 456  | 756   | 542  | 663   | 594   | 515  | 553   |
| 636                            | 627                  | 433       | 491       | 424                  | 378       | 391                  | 708                  | 494       | 576                  | 502                  | 451       | 472                  | 776       | 546                  | 643       | 566  | 502  | 531  | 881   | 631  | 772   | 691   | 599  | 645   |
| 648                            | 830                  | 573       | 649       | 561                  | 500       | 518                  | 937                  | 655       | 762                  | 665                  | 597       | 625                  | 1027      | 723                  | 851       | 749  | 665  | 703  | 1165  | 835  | 1021  | 915   | 793  | 853   |
| 660                            | 1027                 | 709       | 803       | 693                  | 618       | 641                  | 1159                 | 809       | 942                  | 822                  | 738       | 773                  | 1270      | 894                  | 1053      | 927  | 822  | 869  | 1441  | 1033 | 1263  | 1132  | 981  | 1055  |
| <b>Eight Inch Diameters</b>    |                      |           |           |                      |           |                      |                      |           |                      |                      |           |                      |           |                      |           |      |      |      |       |      |       |       |      |       |
| 824                            | 884                  | 611       | 691       | 597                  | 532       | 552                  | 998                  | 697       | 811                  | 708                  | 636       | 666                  | 1093      | 770                  | 906       | 798  | 708  | 748  | 1241  | 889  | 1088  | 974   | 845  | 908   |
| 830                            | 1119                 | 773       | 875       | 756                  | 674       | 698                  | 1263                 | 882       | 1027                 | 896                  | 804       | 842                  | 1383      | 974                  | 1147      | 1010 | 896  | 947  | 1570  | 1125 | 1376  | 1233  | 1069 | 1150  |
| 836                            | 1353                 | 935       | 1058      | 914                  | 815       | 845                  | 1528                 | 1067      | 1242                 | 1084                 | 973       | 1019                 | 1673      | 1179                 | 1387      | 1221 | 1084 | 1146 | 1900  | 1362 | 1665  | 1492  | 1293 | 1391  |
| 842                            | 1585                 | 1095      | 1240      | 1070                 | 955       | 989                  | 1790                 | 1249      | 1455                 | 1269                 | 1140      | 1193                 | 1960      | 1380                 | 1625      | 1430 | 1270 | 1341 | 2225  | 1594 | 1950  | 1747  | 1515 | 1628  |
| 848                            | 1775                 | 1226      | 1388      | 1199                 | 1069      | 1108                 | 2004                 | 1399      | 1629                 | 1422                 | 1276      | 1337                 | 2195      | 1546                 | 1820      | 1602 | 1422 | 1502 | 2492  | 1786 | 2184  | 1956  | 1696 | 1824  |
| 860                            | 2076                 | 1434      | 1624      | 1402                 | 1251      | 1296                 | 2344                 | 1637      | 1906                 | 1663                 | 1493      | 1563                 | 2567      | 1808                 | 2128      | 1874 | 1663 | 1757 | 2914  | 2089 | 2554  | 2288  | 1984 | 2133  |
| <b>Ten Inch Diameters</b>      |                      |           |           |                      |           |                      |                      |           |                      |                      |           |                      |           |                      |           |      |      |      |       |      |       |       |      |       |
| 1030                           | 2187                 | 1511      | 1711      | 1477                 | 1317      | 1365                 | 2470                 | 1724      | 2007                 | 1752                 | 1573      | 1647                 | 2704      | 1905                 | 2242      | 1974 | 1752 | 1851 | 3070  | 2200 | 2691  | 2411  | 2090 | 2247  |
| 1036                           | 2599                 | 1795      | 2033      | 1756                 | 1566      | 1623                 | 2935                 | 2049      | 2386                 | 2082                 | 1869      | 1957                 | 3214      | 2264                 | 2665      | 2346 | 2082 | 2200 | 3649  | 2615 | 3198  | 2865  | 2484 | 2671  |
| 1042                           | 3052                 | 2115      | 2395      | 2069                 | 1845      | 1912                 | 3458                 | 2414      | 2811                 | 2453                 | 2202      | 2306                 | 3786      | 2667                 | 3139      | 2764 | 2453 | 2592 | 4298  | 3081 | 3767  | 3375  | 2926 | 3147  |
| 1048                           | 3560                 | 2453      | 2777      | 2398                 | 2139      | 2217                 | 4009                 | 2799      | 3259                 | 2844                 | 2553      | 2674                 | 4390      | 3092                 | 3640      | 3205 | 2844 | 3005 | 4984  | 3572 | 4368  | 3913  | 3393 | 3648  |
| 1060                           | 4431                 | 3061      | 3467      | 2994                 | 2670      | 2767                 | 5004                 | 3494      | 4068                 | 3550                 | 3187      | 3338                 | 5480      | 3860                 | 4543      | 4000 | 3550 | 3752 | 6221  | 4459 | 5452  | 4885  | 4235 | 4554  |
| 1072                           | 5293                 | 3657      | 4141      | 3576                 | 3189      | 3305                 | 5978                 | 4174      | 4859                 | 4241                 | 3807      | 3987                 | 6546      | 4611                 | 5427      | 4779 | 4241 | 4482 | 7431  | 5327 | 6513  | 5835  | 5060 | 5440  |
| <b>Twelve Inch Diameters</b>   |                      |           |           |                      |           |                      |                      |           |                      |                      |           |                      |           |                      |           |      |      |      |       |      |       |       |      |       |
| 1236                           | 3601                 | 2488      | 2817      | 2433                 | 2169      | 2248                 | 4066                 | 2839      | 3305                 | 2884                 | 2590      | 2712                 | 4453      | 3136                 | 3692      | 3250 | 2885 | 3048 | 5055  | 3623 | 4430  | 3969  | 3442 | 3700  |
| 1242                           | 4241                 | 2930      | 3318      | 2865                 | 2555      | 2648                 | 4790                 | 3344      | 3993                 | 3397                 | 3050      | 3194                 | 5244      | 3695                 | 4348      | 3829 | 3398 | 3591 | 5954  | 4267 | 5218  | 4675  | 4054 | 4358  |
| 1248                           | 4881                 | 3372      | 3819      | 3298                 | 2941      | 3048                 | 5513                 | 3849      | 4481                 | 3910                 | 3511      | 3677                 | 6036      | 4252                 | 5005      | 4407 | 3911 | 4133 | 6853  | 4912 | 6006  | 5381  | 4666 | 5017  |
| 1254                           | 5522                 | 3815      | 4320      | 3731                 | 3327      | 3448                 | 6236                 | 4354      | 5069                 | 4423                 | 3971      | 4159                 | 6828      | 4810                 | 5661      | 4985 | 4424 | 4675 | 7751  | 5556 | 6703  | 6087  | 5278 | 5675  |
| 1260                           | 6162                 | 4257      | 4821      | 4163                 | 3713      | 3848                 | 6959                 | 4858      | 5657                 | 4936                 | 4432      | 4641                 | 7620      | 5368                 | 6318      | 5563 | 4937 | 5217 | 8650  | 6200 | 7581  | 6793  | 5890 | 6333  |
| 1272                           | 7443                 | 5142      | 5823      | 5029                 | 4484      | 4647                 | 8405                 | 5868      | 6832                 | 5962                 | 5353      | 5606                 | 9204      | 6483                 | 7631      | 6719 | 5963 | 6301 | 10448 | 7489 | 9157  | 8204  | 7114 | 7649  |
| <b>Fourteen Inch Diameters</b> |                      |           |           |                      |           |                      |                      |           |                      |                      |           |                      |           |                      |           |      |      |      |       |      |       |       |      |       |
| 1436                           | 4865                 | 3362      | 3806      | 3287                 | 2931      | 3038                 | 5495                 | 3836      | 4466                 | 3898                 | 3499      | 3665                 | 6017      | 4238                 | 4988      | 4392 | 3898 | 4119 | 6830  | 4896 | 5986  | 5363  | 4651 | 5000  |
| 1442                           | 5696                 | 3935      | 4456      | 3848                 | 3432      | 3557                 | 6433                 | 4491      | 5229                 | 4563                 | 4097      | 4290                 | 7044      | 4962                 | 5840      | 5142 | 4564 | 4822 | 7996  | 5731 | 7008  | 6279  | 5444 | 5854  |
| 1448                           | 6530                 | 4511      | 5108      | 4412                 | 3934      | 4077                 | 7374                 | 5148      | 5994                 | 5231                 | 4696      | 4918                 | 8075      | 5688                 | 6695      | 5895 | 5232 | 5528 | 9167  | 6570 | 8034  | 7198  | 6241 | 6711  |
| 1454                           | 7386                 | 5103      | 5778      | 4990                 | 4450      | 4612                 | 8341                 | 5823      | 6780                 | 5917                 | 5312      | 5563                 | 9133      | 6434                 | 7572      | 6667 | 5918 | 6253 | 10368 | 7432 | 9087  | 8141  | 7059 | 7590  |
| 1460                           | 8257                 | 5705      | 6460      | 5579                 | 4975      | 5156                 | 9325                 | 6511      | 7580                 | 6615                 | 5939      | 6220                 | 10211     | 7193                 | 8466      | 7454 | 6616 | 6991 | 11592 | 8309 | 10159 | 9102  | 7893 | 8486  |
| 1472                           | 9890                 | 6833      | 7737      | 6682                 | 5959      | 6176                 | 11169                | 7798      | 9079                 | 7923                 | 7113      | 7449                 | 12230     | 8615                 | 10140     | 8928 | 7924 | 8373 | 13884 | 9951 | 12168 | 10902 | 9453 | 10164 |

## Dimensions

### Vertical Tanks Round Jacketed

| Model Number | Gallon Capacity | A       | C   | D       | E       | Maximum Coil Length | Shipping Weight |
|--------------|-----------------|---------|-----|---------|---------|---------------------|-----------------|
| GV*0120JR    | 120             | 63      | 28  | 10      | 16      | 30                  | 428             |
| GV*0200JR    | 200             | 77-1/4" | 32" | 11-1/4" | 17-1/4" | 30"                 | 600             |
| GV*0257JR    | 257             | 91"     | 34" | 18"     | 26"     | 36"                 | 902             |
| GV*0318JR    | 318             | 80"     | 40" | 19-1/2" | 27-1/2" | 42"                 | 993             |
| GV*0432JR    | 432             | 80"     | 46" | 21"     | 29"     | 48"                 | 1,269           |
| GV*0504JR    | 504             | 92"     | 46" | 21"     | 29"     | 48"                 | 1,373           |
| GV*0650JR    | 650             | 92"     | 52" | 23-1/2" | 31-1/2" | 54"                 | 1,966           |
| GV*0752JR    | 752             | 104"    | 52" | 23-1/2" | 31-1/2" | 54"                 | 2,030           |
| GV*0940JR    | 940             | 128"    | 52" | 23-1/2" | 31-1/2" | 54"                 | 2,376           |

Note: Manway is optional on 34" or 40" diameter only.

\* Indicates Tank Lining – G=Glass C=Cement, excluding 200 gallon model.

### Horizontal Tanks Round Jacketed

| Model Number | Gallon Capacity | A   | B    | C   | Maximum Coil Length | Minimum Coil Length | Shipping Weight |
|--------------|-----------------|-----|------|-----|---------------------|---------------------|-----------------|
| GH*250JR     | 250             | 41" | 87"  | 34" | 90"                 | 54"                 | 1,600           |
| GH*300JR     | 300             | 47" | 76"  | 40" | 78"                 | 48"                 | 1,800           |
| GH*400JR     | 400             | 53" | 76"  | 46" | 78"                 | 48"                 | 2,250           |
| GH*500JR     | 500             | 53" | 88"  | 46" | 90"                 | 54"                 | 2,500           |
| GH*600JR     | 600             | 59" | 88"  | 52" | 90"                 | 54"                 | 3,600           |
| GH*700JR     | 700             | 59" | 100" | 52" | 102"                | 66"                 | 4,200           |
| GH*1000JR    | 1,000           | 59" | 124" | 52" | 126"                | 78"                 | 5,000           |

NOTE: Manway optional on 34" and 40" diameters only.

\* Indicates Tank Lining – G=Glass C=Cement, all models.

### Non-Jacketed Tanks

| Model   | Gallon Capacity | Length** (Height) | Diameter (Width) | D       | E       | Maximum Coil Length (Horizontal) | Minimum Coil Length (Horizontal) | Maximum Coil Length (Vertical) | Shipping Weight |
|---------|-----------------|-------------------|------------------|---------|---------|----------------------------------|----------------------------------|--------------------------------|-----------------|
| GV*147  | 147             | 48"               | 30"              | 15-3/4" | 23-3/4" | 36"                              | 30"                              | 36"                            | 400             |
| GV*184  | 184             | 60"               | 30"              | 15-3/4" | 23-3/4" | 48"                              | 42"                              | 36"                            | 468             |
| GV*220  | 220             | 72"               | 30"              | 15-3/4" | 23-3/4" | 60"                              | 48"                              | 36"                            | 548             |
| GV*257  | 257             | 84"               | 30"              | 15-3/4" | 23-3/4" | 72"                              | 54"                              | 36"                            | 628             |
| GV*294  | 294             | 96"               | 30"              | 15-3/4" | 23-3/4" | 84"                              | 66"                              | 36"                            | 701             |
| GV*367  | 367             | 120"              | 30"              | 15-3/4" | 23-3/4" | 108"                             | 78"                              | 36"                            | 868             |
| GV*265  | 265             | 60"               | 36"              | 17-1/2" | 25-1/2" | 48"                              | 42"                              | 42"                            | 577             |
| GV*318  | 318             | 72"               | 36"              | 17-1/2" | 25-1/2" | 60"                              | 48"                              | 42"                            | 673             |
| GV*370  | 370             | 84"               | 36"              | 17-1/2" | 25-1/2" | 72"                              | 54"                              | 42"                            | 770             |
| GV*423  | 423             | 96"               | 36"              | 17-1/2" | 25-1/2" | 84"                              | 66"                              | 42"                            | 866             |
| GV*528  | 528             | 120"              | 36"              | 17-1/2" | 25-1/2" | 108"                             | 78"                              | 42"                            | 1,058           |
| GV*432  | 432             | 72"               | 42"              | 18-3/4" | 26-3/4" | 60"                              | 48"                              | 48"                            | 909             |
| GV*504  | 504             | 84"               | 42"              | 18-3/4" | 26-3/4" | 72"                              | 54"                              | 48"                            | 1,050           |
| GV*576  | 576             | 96"               | 42"              | 18-3/4" | 26-3/4" | 84"                              | 66"                              | 48"                            | 1,190           |
| GV*720  | 720             | 120"              | 42"              | 18-3/4" | 26-3/4" | 108"                             | 78"                              | 48"                            | 1,470           |
| GV*864  | 864             | 144"              | 42"              | 18-3/4" | 26-3/4" | 120"                             | 96"                              | 48"                            | 1,751           |
| GV*658  | 658             | 84"               | 48"              | 20-3/4" | 28-3/4" | 72"                              | 54"                              | 54"                            | 1,346           |
| GV*752  | 752             | 96"               | 48"              | 20-3/4" | 28-3/4" | 84"                              | 66"                              | 54"                            | 1,507           |
| GV*940  | 940             | 120"              | 48"              | 20-3/4" | 28-3/4" | 108"                             | 78"                              | 54"                            | 1,828           |
| GV*1128 | 1,128           | 144"              | 48"              | 20-3/4" | 28-3/4" | 120"                             | 96"                              | 54"                            | 2,150           |
| GV*951  | 951             | 96"               | 54"              | 22-3/4" | 30-3/4" | 84"                              | 66"                              | 60"                            | 1,972           |
| GV*1189 | 1,189           | 120"              | 54"              | 22-3/4" | 30-3/4" | 108"                             | 78"                              | 60"                            | 2,423           |
| GV*1427 | 1,427           | 144"              | 54"              | 22-3/4" | 30-3/4" | 120"                             | 96"                              | 60"                            | 2,881           |
| GV*1469 | 1,469           | 120"              | 60"              | 24-3/4" | 32-3/4" | 108"                             | 78"                              | 66"                            | 3,221           |
| GV*1763 | 1,763           | 144"              | 60"              | 24-3/4" | 32-3/4" | 120"                             | 96"                              | 66"                            | 3,823           |
| GV*2115 | 2,115           | 120"              | 72"              | 27-3/4" | 35-3/4" | 108"                             | 78"                              | 78"                            | 3,904           |
| GV*2538 | 2,538           | 144"              | 72"              | 27-3/4" | 35-3/4" | 120"                             | 96"                              | 78"                            | 4,627           |

Note: Change "V" to "H" for Horizontal Configuration

\* Indicates Tank Lining G= Glass C=Cement, all models

\*\*Add 4" to Length (Height) for Vertical Configuration



## Water to Water Specification:

The **Water to Water Generator System** shall be a **Lochinvar** Model no. \_\_\_\_\_ with \_\_\_\_\_ tube bundle heating unit. The hot water generator shall be constructed of a (vertical) (horizontal) storage tank. The storage tank shall be \_\_\_\_\_" diameter x \_\_\_\_\_" (length) (height) with a \_\_\_\_\_ gallon capacity. The tube bundle heating unit will be single wall/double wall designed to recover \_\_\_\_\_ GPH with a temperature rise from \_\_\_\_\_°F to \_\_\_\_\_°F with \_\_\_\_\_°F as setpoint temperature when supplied with \_\_\_\_\_°F boiler water. The interior of the storage tank shall be glass lined and fired to 1600°F to ensure a molecular fusing of glass and steel and furnished with magnesium anode(s) to provide protection against corrosion. The storage tank shall be constructed in accordance with the ASME Boiler and Pressure Vessel Code requirements, stamped and registered with the National Board of Boiler and Pressure Vessel Inspectors. The storage tank shall have a 125 psi (optional 150 psi) working pressure. The storage tank shall be furnished with a factory installed heavy steel jacket finished with a baked acrylic enamel finish. The storage tank shall be completely encased in a minimum of 2" thick, high density polyurethane foam insulation to meet the energy efficiency requirements of the latest edition of the ASHRAE 90.1 Standard. The tank shall be supplied with a drain valve. The tank includes water recirculation piping with a pump and a 3/4" drain connection.

The tube bundle heating unit shall be constructed and stamped according to section VIII of ASME code. The tube bundles shall be constructed of 3/4" O.D. 20 GA. deoxidized drawn copper tubing. A .75 amp @ 115 volt, 60 Hz, 1/25 HP integral circulator pump with copper soldered recirculation line shall be provided. The heating units shall be installed in the tank by bolted connection to the collar flange and tube bundle head.

**Optional Tube Bundle Construction:** LTW = Single Wall, LTWX = Double Wall

**Optional Tube Bundle Material:** Cupro-Nickel, Stainless Steel.

**Optional Control Package:** The **Water to Water Generator** shall be equipped with isolation valves, two-way self operated temperature regulator, an inlet wye strainer and all necessary piping.

**Optional Equipment:** Manual Reset High Limit, Solenoid Valve, Manway, Temperature and Pressure Gauge, ASME Temperature and Pressure Relief Valve.

**Tank Lining Options:** Cement tank lining designed to provide effective corrosion resistance against the chemicals and conditions experienced in the storage of potable water at elevated temperatures.

## Steam to Water Specification:

The **Steam to Water Generator System** shall be a **Lochinvar** Model no. \_\_\_\_\_ with \_\_\_\_\_ tube bundle heating unit. The hot water generator shall be constructed of a (vertical) (horizontal) storage tank. The storage tank shall be \_\_\_\_\_" diameter x \_\_\_\_\_" (length) (height) with a \_\_\_\_\_ gallon capacity. The tube bundle heating unit will be single wall/double wall designed to recover \_\_\_\_\_ GPH for a temperature rise from \_\_\_\_\_°F to \_\_\_\_\_°F with \_\_\_\_\_°F as setpoint temperature when supplied with \_\_\_\_\_ psi steam to the temperature regulator. The interior of the storage tank shall be glass lined and fired to 1600°F to ensure a molecular fusing of glass and steel and furnished with magnesium anode(s) to provide protection against corrosion. The storage tank shall be constructed in accordance with the ASME Boiler and Pressure Vessel Code requirements, stamped and registered with the National Board of Boiler and Pressure Vessel Inspectors. The storage tank shall have a 125 psi (optional 150 psi) working pressure. The storage tank shall be furnished with a factory installed heavy steel jacket finished with a baked acrylic enamel finish. The storage tank shall be completely encased in a minimum of 2" thick, high density polyurethane foam insulation to meet the energy efficiency requirements of the latest edition of the ASHRAE 90.1 Standard. The tank shall be supplied with a drain valve. The tank includes water recirculation piping with a pump and a 3/4" drain connection.

The tube bundle heating unit shall be constructed and stamped according to section VIII of ASME code. The tube bundles shall be constructed of 3/4" O.D. 20 GA. deoxidized drawn copper tubing. A .75 amp @ 115 volt, 60 Hz, 1/25 HP integral circulator pump with copper soldered recirculation line shall be provided. The heating units shall be installed in the tank by bolted connection to the collar flange and tube bundle head.

**Optional Tube Bundle Construction:** LTS = Single Wall, LTSX = Double Wall

**Optional Tube Bundle Material:** Cupro-Nickel, Stainless Steel.

**Optional Control Package:** The **Steam to Water Generator** shall be equipped with an isolation valve, two-way self operated temperature regulator, an inlet and outlet wye strainer, a steam trap and all necessary piping.

**Optional Equipment:** Manual Reset High Limit, Solenoid Valve, Manway, Temperature and Pressure Gauge, ASME Temperature and Pressure Relief Valve.

**Tank Lining Options:** Cement tank lining designed to provide effective corrosion resistance against the chemicals and conditions experienced in the storage of potable water at elevated temperatures.



Lochinvar, LLC  
300 Maddox Simpson Parkway  
Lebanon, Tennessee 37090  
P: 615.889.8900 / F: 615.547.1000  
Lochinvar.com

