

PROPERTIES OF SATURATED STEAM

| Pressure<br>PSIG | Saturated<br>Temp.<br>°F | Specific Volume<br>Cu. Ft. per lb.    |                                      | Heat Content<br>BTU per lb.           |                                      | Latent<br>Heat of<br>Vaporization (h <sub>fg</sub> )<br>BTU per lb. |
|------------------|--------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---|
|                  |                          | Saturated<br>Liquid (v <sub>f</sub> ) | Saturated<br>Vapor (v <sub>g</sub> ) | Saturated<br>Liquid (h <sub>f</sub> ) | Saturated<br>Vapor (h <sub>g</sub> ) |   |
| 0                | 212                      | 0.0167                                | 26.8                                 | 180                                   | 1150                                 | 970   |
| 1                | 215                      | 0.0167                                | 24.3                                 | 183                                   | 1151                                 | 967   |
| 2                | 218                      | 0.0167                                | 23.0                                 | 186                                   | 1153                                 | 965   |
| 3                | 222                      | 0.0168                                | 21.8                                 | 190                                   | 1154                                 | 963   |
| 4                | 224                      | 0.0168                                | 20.7                                 | 193                                   | 1155                                 | 961   |
| 5                | 227                      | 0.0168                                | 19.8                                 | 195                                   | 1156                                 | 959   |
| 6                | 230                      | 0.0168                                | 18.9                                 | 198                                   | 1157                                 | 958   |
| 7                | 232                      | 0.0169                                | 18.1                                 | 200                                   | 1158                                 | 956   |
| 8                | 235                      | 0.0169                                | 17.4                                 | 203                                   | 1158                                 | 955   |
| 9                | 237                      | 0.0169                                | 16.7                                 | 205                                   | 1159                                 | 953   |
| 10               | 239                      | 0.0169                                | 16.1                                 | 208                                   | 1160                                 | 952   |
| 11               | 242                      | 0.0169                                | 15.6                                 | 210                                   | 1161                                 | 950   |
| 12               | 244                      | 0.0170                                | 15.0                                 | 212                                   | 1161                                 | 949   |
| 13               | 246                      | 0.0170                                | 14.5                                 | 214                                   | 1162                                 | 947   |
| 14               | 248                      | 0.0170                                | 14.0                                 | 216                                   | 1163                                 | 946   |
| 15               | 250                      | 0.0170                                | 13.6                                 | 218                                   | 1164                                 | 945   |
| 16               | 252                      | 0.0170                                | 13.2                                 | 220                                   | 1164                                 | 943   |
| 17               | 254                      | 0.0170                                | 12.8                                 | 222                                   | 1165                                 | 942   |
| 18               | 255                      | 0.0170                                | 12.5                                 | 224                                   | 1165                                 | 941   |
| 19               | 257                      | 0.0171                                | 12.1                                 | 226                                   | 1166                                 | 940   |
| 20               | 259                      | 0.0171                                | 11.1                                 | 227                                   | 1166                                 | 939   |
| 25               | 267                      | 0.0171                                | 10.4                                 | 236                                   | 1169                                 | 933   |
| 30               | 274                      | 0.0172                                | 9.4                                  | 243                                   | 1171                                 | 926   |
| 35               | 281                      | 0.0173                                | 8.5                                  | 250                                   | 1173                                 | 923   |
| 40               | 287                      | 0.0173                                | 7.74                                 | 256                                   | 1175                                 | 919   |
| 45               | 292                      | 0.0174                                | 7.14                                 | 262                                   | 1177                                 | 914   |
| 50               | 298                      | 0.0174                                | 6.62                                 | 267                                   | 1178                                 | 911   |
| 55               | 302                      | 0.0175                                | 6.17                                 | 272                                   | 1179                                 | 907   |
| 60               | 307                      | 0.0175                                | 5.79                                 | 277                                   | 1181                                 | 903   |
| 65               | 312                      | 0.0176                                | 5.45                                 | 282                                   | 1182                                 | 900   |
| 70               | 316                      | 0.0176                                | 5.14                                 | 286                                   | 1183                                 | 897   |
| 75               | 320                      | 0.0176                                | 4.87                                 | 290                                   | 1184                                 | 893   |
| 80               | 324                      | 0.0177                                | 4.64                                 | 294                                   | 1185                                 | 890   |
| 85               | 327                      | 0.0177                                | 4.42                                 | 298                                   | 1186                                 | 888   |
| 90               | 331                      | 0.0178                                | 4.24                                 | 301                                   | 1189                                 | 887   |
| 95               | 334                      | 0.0178                                | 4.03                                 | 305                                   | 1190                                 | 884   |
| 100              | 338                      | 0.0178                                | 3.88                                 | 308                                   | 1190                                 | 882   |
| 105              | 341                      | 0.0179                                | 3.72                                 | 312                                   | 1189                                 | 877   |
| 110              | 343                      | 0.0179                                | 3.62                                 | 314                                   | 1191                                 | 877   |
| 115              | 347                      | 0.0180                                | 3.44                                 | 318                                   | 1191                                 | 872   |
| 120              | 350                      | 0.0180                                | 3.34                                 | 321                                   | 1193                                 | 872   |
| 125              | 353                      | 0.0180                                | 3.21                                 | 324                                   | 1193                                 | 867   |
| 130              | 355                      | 0.0180                                | 3.12                                 | 327                                   | 1194                                 | 867   |
| 135              | 358                      | 0.0181                                | 3.02                                 | 329                                   | 1194                                 | 864   |
| 140              | 361                      | 0.0181                                | 2.92                                 | 332                                   | 1195                                 | 862   |
| 145              | 363                      | 0.0181                                | 2.84                                 | 335                                   | 1196                                 | 860   |
| 150              | 366                      | 0.0182                                | 2.75                                 | 337                                   | 1196                                 | 858   |
| 155              | 368                      | 0.0182                                | 2.67                                 | 340                                   | 1196                                 | 854   |
| 160              | 370                      | 0.0182                                | 2.60                                 | 342                                   | 1196                                 | 854   |
| 165              | 373                      | 0.0183                                | 2.53                                 | 345                                   | 1197                                 | 852   |
| 170              | 375                      | 0.0183                                | 2.47                                 | 347                                   | 1197                                 | 850   |
| 175              | 378                      | 0.0183                                | 2.40                                 | 350                                   | 1198                                 | 848   |
| 180              | 380                      | 0.0184                                | 2.34                                 | 352                                   | 1198                                 | 846   |
| 185              | 382                      | 0.0184                                | 2.29                                 | 355                                   | 1199                                 | 844   |
| 190              | 384                      | 0.0184                                | 2.23                                 | 357                                   | 1199                                 | 842   |
| 195              | 386                      | 0.0184                                | 2.18                                 | 359                                   | 1199                                 | 840   |
| 200              | 388                      | 0.0185                                | 2.14                                 | 361                                   | 1199                                 | 838   |
| 210              | 392                      | 0.0185                                | 2.05                                 | 365                                   | 1200                                 | 835   |
| 220              | 396                      | 0.0186                                | 1.96                                 | 369                                   | 1200                                 | 831   |
| 230              | 399                      | 0.0186                                | 1.88                                 | 373                                   | 1201                                 | 828   |
| 240              | 403                      | 0.0187                                | 1.81                                 | 377                                   | 1201                                 | 824   |
| 250              | 406                      | 0.0187                                | 1.75                                 | 380                                   | 1201                                 | 821   |
| 260              | 410                      | 0.0188                                | 1.68                                 | 384                                   | 1201                                 | 817   |
| 270              | 413                      | 0.0188                                | 1.63                                 | 387                                   | 1202                                 | 814   |
| 280              | 416                      | 0.0189                                | 1.57                                 | 391                                   | 1202                                 | 811   |
| 290              | 419                      | 0.0190                                | 1.52                                 | 394                                   | 1202                                 | 807   |
| 300              | 421                      | 0.0190                                | 1.47                                 | 397                                   | 1202                                 | 805   |