

# 过热蒸汽相对应于压力和温度的密度

单位 kg/m<sup>3</sup>

| 压力 (MPa) | 温度 (°C) |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|          | 150     | 170   | 190   | 210   | 230   | 250   | 270   | 290   | 310   | 330   | 350   | 370   | 390   | 410   |
| 0.1      | 0.51    | 0.49  | 0.47  | 0.45  | 0.43  | 0.41  | 0.4   | 0.38  | 0.37  | 0.36  | 0.34  | 0.33  | 0.32  | 0.31  |
| 0.15     | 0.77    | 0.74  | 0.7   | 0.67  | 0.65  | 0.62  | 0.6   | 0.57  | 0.55  | 0.54  | 0.52  | 0.5   | 0.49  | 0.47  |
| 0.2      | 1.04    | 0.99  | 0.94  | 0.9   | 0.86  | 0.83  | 0.8   | 0.77  | 0.74  | 0.72  | 0.69  | 0.67  | 0.65  | 0.63  |
| 0.25     | 1.3     | 1.24  | 1.18  | 1.13  | 1.08  | 1.04  | 1     | 0.96  | 0.93  | 0.9   | 0.87  | 0.84  | 0.81  | 0.79  |
| 0.3      | 1.57    | 1.49  | 1.42  | 1.36  | 1.3   | 1.25  | 1.2   | 1.16  | 1.12  | 1.08  | 1.04  | 1.01  | 0.98  | 0.95  |
| 0.4      | 2.12    | 2.01  | 1.91  | 1.82  | 1.75  | 1.67  | 1.61  | 1.55  | 1.5   | 1.44  | 1.4   | 1.35  | 1.31  | 1.27  |
| 0.5      | 2.66    | 2.53  | 2.41  | 2.29  | 2.19  | 2.1   | 2.02  | 1.94  | 1.88  | 1.81  | 1.75  | 1.69  | 1.64  | 1.59  |
| 0.8      | 4.39    | 4.16  | 3.93  | 3.74  | 3.53  | 3.41  | 3.27  | 3.14  | 3.02  | 2.92  | 2.82  | 2.73  | 2.64  | 2.55  |
| 1.1      | 6.13    | 5.83  | 5.53  | 5.23  | 4.98  | 4.74  | 4.54  | 4.36  | 4.19  | 4.04  | 3.9   | 3.77  | 3.65  | 3.53  |
| 1.4      | 7.87    | 7.51  | 7.15  | 6.79  | 6.42  | 6.11  | 5.84  | 5.59  | 5.37  | 5.17  | 4.99  | 4.82  | 4.66  | 4.52  |
| 1.7      | 9.84    | 9.36  | 8.94  | 8.41  | 7.93  | 7.52  | 7.18  | 6.86  | 6.58  | 6.33  | 6.09  | 5.77  | 5.69  | 5.51  |
| 2        | 11.62   | 11.09 | 10.56 | 10.03 | 9.5   | 8.97  | 8.53  | 8.14  | 7.8   | 7.49  | 7.21  | 6.96  | 6.72  | 6.51  |
| 2.5      | 15.18   | 14.45 | 13.71 | 12.97 | 12.24 | 11.5  | 10.87 | 10.35 | 9.88  | 9.48  | 9.11  | 8.78  | 8.47  | 8.19  |
| 3        | 18.41   | 17.57 | 16.72 | 15.87 | 15.03 | 14.18 | 13.33 | 12.63 | 11.99 | 11.51 | 11.04 | 10.63 | 10.24 | 9.9   |
| 3.5      | 22.7    | 21.57 | 20.44 | 19.31 | 18.22 | 17.05 | 15.92 | 15.01 | 14.25 | 13.85 | 13.02 | 12.61 | 12.05 | 11.63 |
| 4        | 27.16   | 25.74 | 24.33 | 22.91 | 21.49 | 20.07 | 18.66 | 17.49 | 16.55 | 15.74 | 15.05 | 14.43 | 13.88 | 13.3  |
| 4.5      | 30.38   | 28.91 | 27.44 | 25.97 | 24.5  | 23.04 | 21.57 | 20.1  | 18.93 | 17.93 | 17.12 | 16.4  | 15.75 | 15.14 |
| 5        | 35.42   | 33.62 | 31.83 | 30.03 | 28.24 | 26.44 | 24.65 | 22.85 | 21.42 | 20.25 | 19.26 | 18.41 | 17.65 | 16.98 |