

**TABLA A-6**

Vapor de agua sobrecalentado

| $T$<br>°C                         | $v$<br>m³/kg | $u$<br>kJ/kg | $h$<br>kJ/kg | $s$<br>kJ/kg · K | $v$<br>m³/kg                      | $u$<br>kJ/kg | $h$<br>kJ/kg | $s$<br>kJ/kg · K | $v$<br>m³/kg                      | $u$<br>kJ/kg | $h$<br>kJ/kg | $s$<br>kJ/kg · K |
|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|--------------|--------------|------------------|-----------------------------------|--------------|--------------|------------------|
| $P = 0.01 \text{ MPa (45.81°C)*}$ |              |              |              |                  | $P = 0.05 \text{ MPa (81.32°C)}$  |              |              |                  | $P = 0.10 \text{ MPa (99.61°C)}$  |              |              |                  |
| Sat.†                             | 14.670       | 2437.2       | 2583.9       | 8.1488           | 3.2403                            | 2483.2       | 2645.2       | 7.5931           | 1.6941                            | 2505.6       | 2675.0       | 7.3589           |
| 50                                | 14.867       | 2443.3       | 2592.0       | 8.1741           |                                   |              |              |                  |                                   |              |              |                  |
| 100                               | 17.196       | 2515.5       | 2687.5       | 8.4489           | 3.4187                            | 2511.5       | 2682.4       | 7.6953           | 1.6959                            | 2506.2       | 2675.8       | 7.3611           |
| 150                               | 19.513       | 2587.9       | 2783.0       | 8.6893           | 3.8897                            | 2585.7       | 2780.2       | 7.9413           | 1.9367                            | 2582.9       | 2776.6       | 7.6148           |
| 200                               | 21.826       | 2661.4       | 2879.6       | 8.9049           | 4.3562                            | 2660.0       | 2877.8       | 8.1592           | 2.1724                            | 2658.2       | 2875.5       | 7.8356           |
| 250                               | 24.136       | 2736.1       | 2977.5       | 9.1015           | 4.8206                            | 2735.1       | 2976.2       | 8.3568           | 2.4062                            | 2733.9       | 2974.5       | 8.0346           |
| 300                               | 26.446       | 2812.3       | 3076.7       | 9.2827           | 5.2841                            | 2811.6       | 3075.8       | 8.5387           | 2.6389                            | 2810.7       | 3074.5       | 8.2172           |
| 400                               | 31.063       | 2969.3       | 3280.0       | 9.6094           | 6.2094                            | 2968.9       | 3279.3       | 8.8659           | 3.1027                            | 2968.3       | 3278.6       | 8.5452           |
| 500                               | 35.680       | 3132.9       | 3489.7       | 9.8998           | 7.1338                            | 3132.6       | 3489.3       | 9.1566           | 3.5655                            | 3132.2       | 3488.7       | 8.8362           |
| 600                               | 40.296       | 3303.3       | 3706.3       | 10.1631          | 8.0577                            | 3303.1       | 3706.0       | 9.4201           | 4.0279                            | 3302.8       | 3705.6       | 9.0999           |
| 700                               | 44.911       | 3480.8       | 3929.9       | 10.4056          | 8.9813                            | 3480.6       | 3929.7       | 9.6626           | 4.4900                            | 3480.4       | 3929.4       | 9.3424           |
| 800                               | 49.527       | 3665.4       | 4160.6       | 10.6312          | 9.9047                            | 3665.2       | 4160.4       | 9.8883           | 4.9519                            | 3665.0       | 4160.2       | 9.5682           |
| 900                               | 54.143       | 3856.9       | 4398.3       | 10.8429          | 10.8280                           | 3856.8       | 4398.2       | 10.1000          | 5.4137                            | 3856.7       | 4398.0       | 9.7800           |
| 1000                              | 58.758       | 4055.3       | 4642.8       | 11.0429          | 11.7513                           | 4055.2       | 4642.7       | 10.3000          | 5.8755                            | 4055.0       | 4642.6       | 9.9800           |
| 1100                              | 63.373       | 4260.0       | 4893.8       | 11.2326          | 12.6745                           | 4259.9       | 4893.7       | 10.4897          | 6.3372                            | 4259.8       | 4893.6       | 10.1698          |
| 1200                              | 67.989       | 4470.9       | 5150.8       | 11.4132          | 13.5977                           | 4470.8       | 5150.7       | 10.6704          | 6.7988                            | 4470.7       | 5150.6       | 10.3504          |
| 1300                              | 72.604       | 4687.4       | 5413.4       | 11.5857          | 14.5209                           | 4687.3       | 5413.3       | 10.8429          | 7.2605                            | 4687.2       | 5413.3       | 10.5229          |
| $P = 0.20 \text{ MPa (120.21°C)}$ |              |              |              |                  | $P = 0.30 \text{ MPa (133.52°C)}$ |              |              |                  | $P = 0.40 \text{ MPa (143.61°C)}$ |              |              |                  |
| Sat.                              | 0.88578      | 2529.1       | 2706.3       | 7.1270           | 0.60582                           | 2543.2       | 2724.9       | 6.9917           | 0.46242                           | 2553.1       | 2738.1       | 6.8955           |
| 150                               | 0.95986      | 2577.1       | 2769.1       | 7.2810           | 0.63402                           | 2571.0       | 2761.2       | 7.0792           | 0.47088                           | 2564.4       | 2752.8       | 6.9306           |
| 200                               | 1.08049      | 2654.6       | 2870.7       | 7.5081           | 0.71643                           | 2651.0       | 2865.9       | 7.3132           | 0.53434                           | 2647.2       | 2860.9       | 7.1723           |
| 250                               | 1.19890      | 2731.4       | 2971.2       | 7.7100           | 0.79645                           | 2728.9       | 2967.9       | 7.5180           | 0.59520                           | 2726.4       | 2964.5       | 7.3804           |
| 300                               | 1.31623      | 2808.8       | 3072.1       | 7.8941           | 0.87535                           | 2807.0       | 3069.6       | 7.7037           | 0.65489                           | 2805.1       | 3067.1       | 7.5677           |
| 400                               | 1.54934      | 2967.2       | 3277.0       | 8.2236           | 1.03155                           | 2966.0       | 3275.5       | 8.0347           | 0.77265                           | 2964.9       | 3273.9       | 7.9003           |
| 500                               | 1.78142      | 3131.4       | 3487.7       | 8.5153           | 1.18672                           | 3130.6       | 3486.6       | 8.3271           | 0.88936                           | 3129.8       | 3485.5       | 8.1933           |
| 600                               | 2.01302      | 3302.2       | 3704.8       | 8.7793           | 1.34139                           | 3301.6       | 3704.0       | 8.5915           | 1.00558                           | 3301.0       | 3703.3       | 8.4580           |
| 700                               | 2.24434      | 3479.9       | 3928.8       | 9.0221           | 1.49580                           | 3479.5       | 3928.2       | 8.8345           | 1.12152                           | 3479.0       | 3927.6       | 8.7012           |
| 800                               | 2.47550      | 3664.7       | 4159.8       | 9.2479           | 1.65004                           | 3664.3       | 4159.3       | 9.0605           | 1.23730                           | 3663.9       | 4158.9       | 8.9274           |
| 900                               | 2.70656      | 3856.3       | 4397.7       | 9.4598           | 1.80417                           | 3856.0       | 4397.3       | 9.2725           | 1.35298                           | 3855.7       | 4396.9       | 9.1394           |
| 1000                              | 2.93755      | 4054.8       | 4642.3       | 9.6599           | 1.95824                           | 4054.5       | 4642.0       | 9.4726           | 1.46859                           | 4054.3       | 4641.7       | 9.3396           |
| 1100                              | 3.16848      | 4259.6       | 4893.3       | 9.8497           | 2.11226                           | 4259.4       | 4893.1       | 9.6624           | 1.58414                           | 4259.2       | 4892.9       | 9.5295           |
| 1200                              | 3.39938      | 4470.5       | 5150.4       | 10.0304          | 2.26624                           | 4470.3       | 5150.2       | 9.8431           | 1.69966                           | 4470.2       | 5150.0       | 9.7102           |
| 1300                              | 3.63026      | 4687.1       | 5413.1       | 10.2029          | 2.42019                           | 4686.9       | 5413.0       | 10.0157          | 1.81516                           | 4686.7       | 5412.8       | 9.8828           |