

## Pressure/Temperature Charts

### ASTM A216 Grade WC6/A182-F11

Use normalized and tempered material only. Not to be used over 1100°F.

#### Standard Class

| Working Pressures by Classes, psig |       |     |      |      |      |      |      |        |
|------------------------------------|-------|-----|------|------|------|------|------|--------|
| Temperature, °F                    | 150   | 300 | 400  | 600  | 900  | 1500 | 2500 | 4500   |
| -20 to 100                         | 290   | 750 | 1000 | 1500 | 2250 | 3750 | 6250 | 11,250 |
| 200                                | 260   | 750 | 1000 | 1500 | 2250 | 3750 | 6250 | 11,250 |
| 300                                | 230   | 720 | 965  | 1445 | 2165 | 3610 | 6015 | 10,830 |
| 400                                | 200   | 695 | 925  | 1385 | 2080 | 3465 | 5775 | 10,400 |
| 500                                | 170   | 695 | 885  | 1330 | 1995 | 3325 | 5540 | 9965   |
| 600                                | 140   | 605 | 805  | 1210 | 1815 | 3025 | 5040 | 9070   |
| 650                                | 125   | 590 | 785  | 1175 | 1765 | 2940 | 4905 | 8825   |
| 700                                | 110   | 570 | 755  | 1135 | 1705 | 2840 | 4730 | 8515   |
| 750                                | 95    | 530 | 710  | 1065 | 1595 | 2660 | 4460 | 7970   |
| 800                                | 80    | 510 | 675  | 1015 | 1525 | 2540 | 4230 | 7610   |
| 850                                | 65    | 485 | 650  | 975  | 1460 | 2435 | 4060 | 7305   |
| 900                                | 50    | 450 | 600  | 900  | 1350 | 2245 | 3748 | 6740   |
| 950                                | 35    | 320 | 425  | 640  | 955  | 1595 | 2655 | 4785   |
| 1000                               | 20    | 215 | 290  | 430  | 650  | 1080 | 1800 | 3240   |
| 1050                               | 20(1) | 145 | 790  | 290  | 430  | 720  | 1200 | 2160   |
| 1100                               | 20(1) | 95  | 130  | 190  | 290  | 480  | 800  | 1440   |

NOTE: (1) For welding end valves only. Flanged end ratings terminate at 1000°F