

## DSI® Stainless Steel Valves Pressure Temperature Ratings

Pressure temperature ratings are based on ASME B16.34 (1996 edition).

The temperatures shown are that of the pressure-containing shell, which is considered to be the same temperature as that of the fluid flowing within it.

Special consideration should be given to such items as trim, bonnet gasket material, and packing to assure that the rating is merited in all respects.

Maximum Allowable Non-Shock Pressure (PSIG)

| Service Temperature           | CF8M         | CF8    | CF8M         | CF8 | CF8M         | CF8  | CF8M         | CF8  | CF8M         | CF8  |
|-------------------------------|--------------|--------|--------------|-----|--------------|------|--------------|------|--------------|------|
|                               | CG8M<br>CF3M |        | CG8M<br>CF3M |     | CG8M<br>CF3M |      | CG8M<br>CF3M |      | CG8M<br>CF3M |      |
| Temperature °F                | Class 150    |        | Class 300    |     | Class 600    |      | Class 900    |      | Class 1500   |      |
| -20 to 100                    | 275          | 275    | 720          | 720 | 1440         | 1440 | 2160         | 2160 | 3600         | 3600 |
| 200                           | 235          | 230    | 620          | 600 | 1240         | 1200 | 1860         | 1800 | 3095         | 3000 |
| 300                           | 215          | 205    | 560          | 540 | 1120         | 1080 | 1680         | 1620 | 2795         | 2700 |
| 400                           | 195          | 190    | 515          | 495 | 1025         | 995  | 1540         | 1490 | 2570         | 2485 |
| 500                           | 170          | 170    | 480          | 465 | 955          | 930  | 1435         | 1395 | 2390         | 2330 |
| 600                           | 140          | 140    | 450          | 435 | 900          | 875  | 1355         | 1310 | 2255         | 2185 |
| 650                           | 125          | 125    | 445          | 430 | 890          | 860  | 1330         | 1290 | 2220         | 2150 |
| 700                           | 110          | 110    | 430          | 425 | 870          | 850  | 1305         | 1275 | 2170         | 2125 |
| 750                           | 95           | 95     | 425          | 415 | 855          | 830  | 1280         | 1245 | 2135         | 2075 |
| 800                           | 80           | 80     | 420          | 405 | 845          | 805  | 1265         | 1210 | 2110         | 2015 |
| 850                           | 65           | 65     | 420          | 395 | 835          | 790  | 1255         | 1190 | 2090         | 1980 |
| 900                           | 50           | 50     | 415          | 390 | 830          | 780  | 1245         | 1165 | 2075         | 1945 |
| 950                           | 35           | 35     | 385          | 380 | 775          | 765  | 1160         | 1145 | 1930         | 1910 |
| 1000                          | 20           | 20     | 350          | 320 | 700          | 640  | 1050         | 965  | 1750         | 1605 |
| 1050                          | 20 (1)       | 20 (1) | 345          | 310 | 685          | 615  | 1030         | 925  | 1720         | 1545 |
| 1100                          | 20 (1)       | 20 (1) | 305          | 255 | 610          | 515  | 915          | 770  | 1525         | 1285 |
| 1150                          | 20 (1)       | 20 (1) | 235          | 200 | 475          | 400  | 710          | 595  | 1185         | 995  |
| 1200                          | 20 (1)       | 20 (1) | 185          | 155 | 370          | 310  | 555          | 465  | 925          | 770  |
| 1250                          | 20 (1)       | 20 (1) | 145          | 115 | 295          | 225  | 440          | 340  | 735          | 565  |
| 1300                          | 20 (1)       | 20 (1) | 115          | 85  | 235          | 170  | 350          | 255  | 585          | 430  |
| 1350                          | 20 (1)       | 20 (1) | 95           | 60  | 190          | 125  | 290          | 185  | 480          | 310  |
| 1400                          | 20 (1)       | 20 (1) | 75           | 50  | 150          | 95   | 225          | 145  | 380          | 240  |
| 1450                          | 20 (1)       | 15 (1) | 60           | 35  | 115          | 70   | 175          | 105  | 290          | 170  |
| 1500                          | 20 (1)       | 10 (1) | 40           | 25  | 85           | 55   | 125          | 80   | 205          | 135  |
| Hydrostatic Shell Test Press. | 450          |        | 1125         |     | 2250         |      | 3350         |      | 5575         |      |
| Valve Closure                 | Liquid       | 320    |              | 825 |              | 1650 |              | 2450 |              | 4080 |
| Test Pressure                 | Air          | 80     |              | 80  |              | 80   |              | 80   |              | 80   |

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

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