

DuPont™ Freon®

REFRIGERANTS

Pressure-Temperature Guide – ENG

| Saturated Conditions – Pressure (psig) | | | | | |
|--|-----------|-----------|-----------|------------|---------|
| Temp. °F | Freon® 11 | Freon® 12 | Freon® 22 | Freon® 502 | Temp °C |
| -40 | 28.4" | 11.0" | 0.6 | 3.7 | -40 |
| -38 | 28.3" | 10.0" | 1.4 | 4.6 | -39 |
| -36 | 28.2" | 8.9" | 2.2 | 5.6 | -38 |
| -34 | 28.1" | 7.8" | 3.1 | 6.6 | -37 |
| -32 | 28.0" | 6.7" | 4.0 | 7.7 | -36 |
| -30 | 27.8" | 5.5" | 4.9 | 8.7 | -34 |
| -28 | 27.7" | 4.3" | 5.9 | 9.8 | -33 |
| -26 | 27.5" | 3.0" | 6.9 | 11.0 | -32 |
| -24 | 27.4" | 1.7" | 8.0 | 12.2 | -31 |
| -22 | 27.2" | 0.3" | 9.1 | 13.5 | -30 |
| -20 | 27.0" | 0.5 | 10.2 | 14.7 | -29 |
| -18 | 26.8" | 1.3 | 11.4 | 16.1 | -28 |
| -16 | 26.7" | 2.0 | 12.6 | 17.4 | -27 |
| -14 | 26.5" | 2.8 | 13.9 | 18.9 | -26 |
| -12 | 26.2" | 3.6 | 15.2 | 20.3 | -24 |
| -10 | 26.0" | 4.5 | 16.5 | 21.9 | -23 |
| -8 | 25.8" | 5.3 | 17.9 | 23.4 | -22 |
| -6 | 25.5" | 6.2 | 19.4 | 25.1 | -21 |
| -4 | 25.3" | 7.2 | 20.9 | 26.7 | -20 |
| -2 | 25.0" | 8.1 | 22.4 | 28.4 | -19 |
| 0 | 24.7" | 9.1 | 24.0 | 30.2 | -18 |
| 2 | 24.4" | 10.1 | 25.7 | 32.1 | -17 |
| 4 | 24.1" | 11.2 | 27.4 | 34.0 | -16 |
| 6 | 23.8" | 12.3 | 29.1 | 35.9 | -14 |
| 8 | 23.4" | 13.4 | 31.0 | 37.9 | -13 |
| 10 | 23.1" | 14.6 | 32.8 | 40.0 | -12 |
| 12 | 22.7" | 15.8 | 34.8 | 42.1 | -11 |
| 14 | 22.3" | 17.0 | 36.8 | 44.3 | -10 |
| 16 | 21.9" | 18.3 | 38.8 | 46.5 | -9 |
| 18 | 21.5" | 19.6 | 40.9 | 48.9 | -8 |
| 20 | 21.1" | 21.0 | 43.1 | 51.2 | -7 |
| 22 | 20.6" | 22.4 | 45.3 | 53.7 | -6 |
| 24 | 20.1" | 23.8 | 47.6 | 56.2 | -4 |
| 26 | 19.7" | 25.3 | 50.0 | 58.8 | -3 |
| 28 | 19.1" | 26.8 | 52.4 | 61.4 | -2 |
| 30 | 18.6" | 28.4 | 55.0 | 64.2 | -1 |
| 32 | 18.1" | 30.0 | 57.5 | 67.0 | 0 |
| 34 | 17.5" | 31.6 | 60.2 | 69.8 | 1 |
| 36 | 16.9" | 33.3 | 62.9 | 72.8 | 2 |
| 38 | 16.3" | 35.1 | 65.7 | 75.8 | 3 |
| 40 | 15.6" | 36.9 | 68.6 | 78.9 | 4 |
| 42 | 14.9" | 38.7 | 71.5 | 82.1 | 6 |
| 44 | 14.2" | 40.6 | 74.5 | 85.4 | 7 |
| 46 | 13.5" | 42.6 | 77.6 | 88.7 | 8 |
| 48 | 12.8" | 44.6 | 80.8 | 92.1 | 9 |
| 50 | 12.0" | 46.6 | 84.1 | 95.6 | 10 |
| 52 | 11.2" | 48.7 | 87.4 | 99.2 | 11 |
| 54 | 10.4" | 50.8 | 90.8 | 102.9 | 12 |
| 56 | 9.5" | 53.1 | 94.4 | 106.6 | 13 |
| 58 | 8.6" | 55.3 | 98.0 | 110.5 | 14 |
| 60 | 7.7" | 57.6 | 101.6 | 114.4 | 16 |

| Saturated Conditions – Pressure (psig) | | | | | |
|--|-----------|-----------|-----------|------------|---------|
| Temp. °F | Freon® 11 | Freon® 12 | Freon® 22 | Freon® 502 | Temp °C |
| 62 | 6.8" | 60.0 | 105.4 | 118.5 | 17 |
| 64 | 5.8" | 62.4 | 109.3 | 122.6 | 18 |
| 66 | 4.8" | 64.9 | 113.2 | 126.8 | 19 |
| 68 | 3.7" | 67.5 | 117.3 | 131.1 | 20 |
| 70 | 2.7" | 70.1 | 121.4 | 135.5 | 21 |
| 72 | 1.5" | 72.7 | 125.7 | 140.0 | 22 |
| 74 | 0.4" | 75.4 | 130.0 | 144.7 | 23 |
| 76 | 0.4 | 78.2 | 134.5 | 149.4 | 24 |
| 78 | 1.0 | 81.1 | 139.0 | 154.2 | 26 |
| 80 | 1.6 | 84.0 | 143.6 | 159.1 | 27 |
| 82 | 2.2 | 87.0 | 148.4 | 164.1 | 28 |
| 84 | 2.9 | 90.0 | 153.2 | 169.2 | 29 |
| 86 | 3.6 | 93.2 | 158.2 | 174.5 | 30 |
| 88 | 4.3 | 96.3 | 163.2 | 179.8 | 31 |
| 90 | 5.0 | 99.6 | 168.4 | 185.3 | 32 |
| 92 | 5.7 | 102.9 | 173.7 | 190.8 | 33 |
| 94 | 6.5 | 106.3 | 179.1 | 196.5 | 34 |
| 96 | 7.3 | 109.8 | 184.6 | 202.3 | 36 |
| 98 | 8.1 | 113.3 | 190.2 | 208.2 | 37 |
| 100 | 8.9 | 116.9 | 195.9 | 214.3 | 38 |
| 102 | 9.7 | 120.6 | 201.8 | 220.4 | 39 |
| 104 | 10.6 | 124.4 | 207.7 | 226.7 | 40 |
| 106 | 11.5 | 128.2 | 213.8 | 233.1 | 41 |
| 108 | 12.4 | 132.1 | 220.0 | 239.6 | 42 |
| 110 | 13.4 | 136.1 | 226.4 | 246.3 | 43 |
| 112 | 14.3 | 140.2 | 232.8 | 253.0 | 44 |
| 114 | 15.3 | 144.3 | 239.4 | 260.0 | 46 |
| 116 | 16.3 | 148.6 | 246.1 | 267.0 | 47 |
| 118 | 17.4 | 152.9 | 253.0 | 274.2 | 48 |
| 120 | 18.5 | 157.3 | 260.0 | 281.5 | 49 |
| 122 | 19.5 | 161.8 | 267.1 | 288.9 | 50 |
| 124 | 20.7 | 166.3 | 274.3 | 296.5 | 51 |
| 126 | 21.8 | 171.0 | 281.7 | 304.3 | 52 |
| 128 | 23.0 | 175.7 | 289.2 | 312.1 | 53 |
| 130 | 24.2 | 180.5 | 296.9 | 320.2 | 54 |
| 132 | 25.5 | 185.5 | 304.7 | 328.4 | 56 |
| 134 | 26.7 | 190.5 | 312.6 | 336.7 | 57 |
| 136 | 28.0 | 195.6 | 320.7 | 345.2 | 58 |
| 138 | 29.4 | 200.8 | 329.0 | 353.8 | 59 |
| 140 | 30.7 | 206.0 | 337.4 | 362.6 | 60 |
| 142 | 32.1 | 211.4 | 345.9 | 371.5 | 61 |
| 144 | 33.6 | 216.9 | 354.6 | 380.7 | 62 |
| 146 | 35.0 | 222.5 | 363.5 | 390.0 | 63 |
| 148 | 36.5 | 228.1 | 372.5 | 399.4 | 64 |
| 150 | 38.0 | 233.9 | 381.7 | 409.0 | 66 |

"Denotes inches of mercury ("Hg)

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