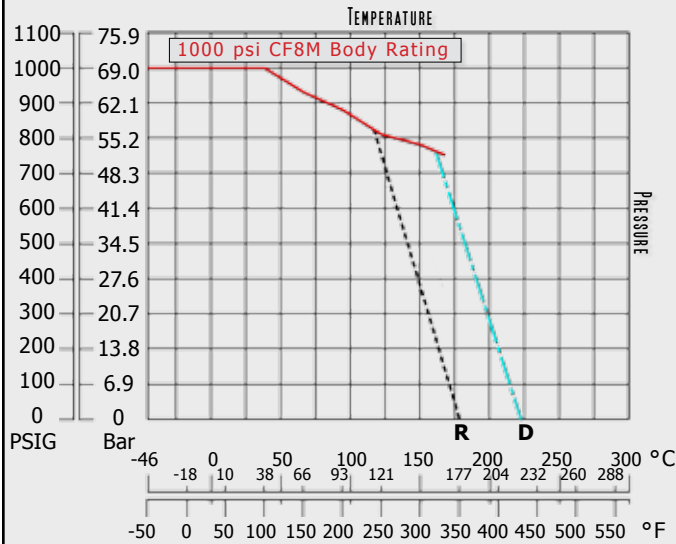


S3FV SERIES BALL VALVE

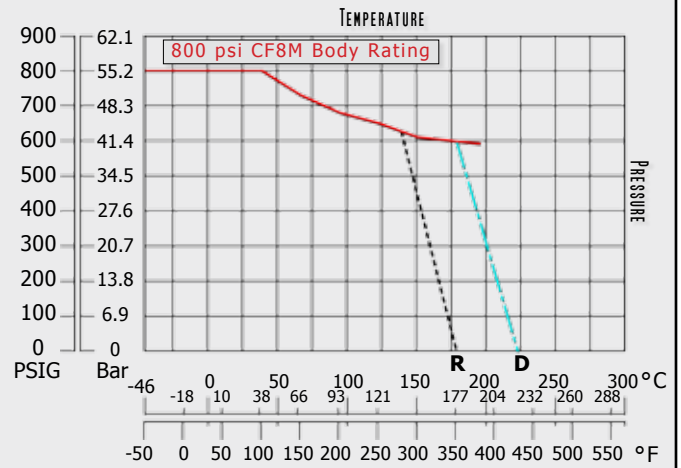


PRESSURE - TEMPERATURE CHART

1,000 PSI (1/2" to 2") Pressure-Temperature Chart



800 PSI (1/2" to 2") Pressure-Temperature Chart



Seat Material

D = 50% SS Filled PTFE, Standard

R = 15% Glass Filled, Special Order C/F

CV VERSUS VALVE OPENING PERCENTAGE

| Size | V-Ball Angle | Class VI S/O | Low % | Control Zone | | | | | | | | Full Open |
|--------|--------------|--------------|-------|--------------|-------|-------|-------|--------|--------|--------|--------|-----------|
| | | | | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | |
| 1/2" | 30-60 | 0.00 | 0.04 | 0.24 | 0.47 | 0.77 | 1.19 | 1.84 | 2.46 | 3.42 | 4.63 | 5.57 |
| | 60 | 0.00 | 0.04 | 0.29 | 0.74 | 1.11 | 1.83 | 2.91 | 4.31 | 7.01 | 9.45 | 12.79 |
| | 90 | 0.00 | 0.06 | 0.47 | 0.85 | 1.27 | 2.11 | 3.22 | 4.77 | 8.31 | 11.59 | 14.72 |
| 3/4" | 30-60 | 0.00 | 0.07 | 0.29 | 0.63 | 1.02 | 1.56 | 2.44 | 3.26 | 4.52 | 6.12 | 7.31 |
| | 60 | 0.00 | 0.07 | 0.36 | 0.94 | 1.48 | 2.42 | 3.86 | 5.26 | 9.24 | 12.43 | 16.27 |
| | 90 | 0.00 | 0.08 | 0.61 | 1.10 | 1.71 | 2.69 | 4.27 | 6.25 | 10.85 | 15.30 | 19.39 |
| 1" | 30-60 | 0.00 | 0.09 | 0.45 | 1.25 | 2.07 | 3.56 | 5.32 | 7.69 | 10.51 | 12.85 | 15.49 |
| | 60 | 0.00 | 0.10 | 0.70 | 1.75 | 2.77 | 5.14 | 8.01 | 11.89 | 18.71 | 23.23 | 32.81 |
| | 90 | 0.00 | 0.11 | 1.00 | 2.77 | 5.10 | 7.74 | 12.2 | 17.32 | 24.47 | 26.81 | 43.88 |
| 1-1/4" | 30-60 | 0.00 | 0.05 | 0.47 | 1.35 | 2.49 | 4.13 | 6.11 | 8.81 | 11.75 | 14.86 | 17.36 |
| | 60 | 0.00 | 0.07 | 0.66 | 2.04 | 3.42 | 6.45 | 10.79 | 15.41 | 22.34 | 33.39 | 43.43 |
| | 90 | 0.00 | 0.08 | 0.80 | 2.91 | 5.52 | 10.23 | 17.27 | 19.51 | 34.93 | 51.75 | 65.82 |
| 1-1/2" | 30-60 | 0.00 | 0.07 | 0.66 | 1.87 | 3.40 | 5.66 | 8.36 | 12.14 | 16.17 | 20.45 | 23.88 |
| | 60 | 0.00 | 0.09 | 0.93 | 2.82 | 4.70 | 8.89 | 14.84 | 21.16 | 30.73 | 45.87 | 59.75 |
| | 90 | 0.00 | 0.10 | 1.07 | 4.00 | 7.45 | 14.08 | 23.78 | 26.77 | 48.05 | 71.17 | 90.50 |
| 2" | 30-60 | 0.00 | 0.09 | 1.19 | 3.80 | 7.53 | 12.27 | 17.85 | 26.45 | 36.46 | 48.10 | 55.84 |
| | 60 | 0.00 | 0.11 | 1.53 | 5.79 | 10.41 | 20.58 | 34.10 | 48.74 | 69.05 | 104.23 | 135.77 |
| | 90 | 0.00 | 0.17 | 1.90 | 7.28 | 13.59 | 25.37 | 42.30 | 55.55 | 87.04 | 129.77 | 167.36 |
| 3" | 30-60 | 0.00 | 0.13 | 1.21 | 4.16 | 9.49 | 15.97 | 26.78 | 38.92 | 53.30 | 69.78 | 85.92 |
| | 60 | 0.00 | 0.15 | 2.91 | 6.73 | 15.81 | 29.38 | 46.34 | 73.58 | 106.72 | 149.89 | 193.22 |
| | 90 | 0.00 | 0.20 | 4.13 | 8.66 | 21.10 | 41.09 | 69.31 | 105.90 | 161.04 | 237.24 | 359.22 |
| 4" | 30-60 | 0.00 | 0.16 | 1.75 | 7.84 | 18.61 | 35.21 | 58.61 | 87.88 | 127.45 | 158.53 | 196.34 |
| | 60 | 0.00 | 0.26 | 2.22 | 12.46 | 33.68 | 63.00 | 106.27 | 160.48 | 233.98 | 329.51 | 437.40 |
| | 90 | 0.00 | 0.35 | 4.36 | 19.70 | 50.31 | 91.82 | 157.45 | 240.50 | 365.15 | 546.65 | 830.90 |