



**Series: CBVF - Differential Pressure: Inches W.C.**

| GPM | 2-1/2" L | 2-1/2" H | 3" L | 3" H | 4" L | 4" H |
|-----|----------|----------|------|------|------|------|
| 30  | 12.5     | 2.6      | 5.2  |      |      |      |
| 40  | 22.2     | 4.7      | 9.3  |      |      |      |
| 50  | 34.6     | 7.4      | 14.5 | 2.2  |      |      |
| 60  | 49.9     | 10.6     | 20.9 | 3.2  | 2.9  |      |
| 70  | 67.9     | 14.4     | 28.5 | 4.4  | 3.9  |      |
| 80  | 88.6     | 18.8     | 37.2 | 5.7  | 5.1  |      |
| 90  | 112      | 23.8     | 47   | 7.3  | 6.5  | 2.3  |
| 100 | 139      | 29.4     | 58.1 | 9.0  | 8.0  | 2.8  |
| 110 | 168      | 35.6     | 70.3 | 10.8 | 9.7  | 3.4  |
| 120 | 199      | 42.4     | 83.6 | 12.9 | 11.5 | 4.1  |
| 130 | 234      | 49.7     | 98.2 | 15.1 | 13.5 | 4.8  |
| 140 | 271      | 57.6     | 114  | 17.6 | 15.7 | 5.5  |
| 150 |          | 66.2     | 131  | 20.2 | 18.0 | 6.4  |
| 160 |          | 75.3     | 149  | 22.9 | 20.5 | 7.2  |
| 170 |          | 85.0     | 168  | 25.9 | 23.2 | 8.2  |
| 180 |          | 95.3     | 188  | 29.0 | 26.0 | 9.2  |
| 190 |          | 106      | 210  | 32.3 | 28.9 | 10.2 |
| 200 |          | 118      | 232  | 35.8 | 32.1 | 11.3 |
| 210 |          | 130      | 256  | 39.5 | 35.4 | 12.5 |
| 220 |          | 142      | 281  | 43.4 | 38.8 | 13.7 |
| 230 |          | 156      |      | 47.4 | 42.4 | 15.0 |
| 240 |          | 169      |      | 51.6 | 46.2 | 16.3 |
| 250 |          | 184      |      | 56.0 | 50.1 | 17.7 |
| 260 |          | 199      |      | 60.6 | 54.2 | 19.1 |
| 270 |          | 214      |      | 65.3 | 58.4 | 20.6 |
| 280 |          | 231      |      | 70.2 | 62.9 | 22.2 |
| 290 |          | 247      |      | 75.3 | 67.4 | 23.8 |
| 300 |          | 265      |      | 80.6 | 72.2 | 25.4 |
| 310 |          | 283      |      | 86.1 | 77.0 | 27.2 |
| 320 |          | 301      |      | 91.7 | 82.1 | 28.9 |

| GPM | 3" H | 4" L | 4" H |
|-----|------|------|------|
| 330 | 97.6 | 87.3 | 30.8 |
| 340 | 104  | 92.7 | 32.7 |
| 350 | 110  | 98   | 34.6 |
| 360 | 116  | 104  | 36.6 |
| 370 | 123  | 110  | 38.7 |
| 380 | 129  | 116  | 40.8 |
| 390 | 136  | 122  | 43.0 |
| 400 | 143  | 128  | 45.2 |
| 410 | 151  | 135  | 47.5 |
| 420 | 158  | 141  | 49.9 |
| 430 | 166  | 148  | 52.3 |
| 440 | 173  | 155  | 54.7 |
| 450 | 181  | 162  | 57.2 |
| 460 | 190  | 170  | 59.8 |
| 470 | 198  | 177  | 62.4 |
| 480 | 206  | 185  | 65.1 |
| 490 | 215  | 192  | 67.9 |
| 500 | 224  | 200  | 70.7 |
| 510 | 233  | 209  | 73.5 |
| 520 | 242  | 217  | 76.4 |
| 540 | 261  | 234  | 82.4 |
| 560 | 281  | 251  | 88.6 |
| 580 | 301  | 270  | 95.1 |
| 600 |      | 299  | 101  |

| Flow Factors for Calculating Delta Pressure<br>D.P. = (GPM * 17.3/FF) <sup>2</sup> |          |      |      |      | Flow Factors for Calculating Gallons Per Minute<br>GPM = $\sqrt{DP * FF / 17.3}$ |      |      |      |      |      |
|--|----------|------|------|------|--|------|------|------|------|------|
| 2-1/2" L   | 2-1/2" H | 3" L | 3" H | 4" L | 4" H   | 5"   | 6"   | 8"   | 10"  | 12"  |
| 147  | 319      | 227  | 578  | 611  | 1029   | 1267 | 1551 | 2824 | 4164 | 9670 |



**Series: CBVF - Differential Pressure: Inches W.C.**

| GPM  | 4”H |
|------|-----|
| 620  | 109 |
| 640  | 116 |
| 660  | 123 |
| 680  | 131 |
| 700  | 139 |
| 720  | 147 |
| 740  | 155 |
| 760  | 163 |
| 780  | 172 |
| 800  | 181 |
| 820  | 190 |
| 840  | 199 |
| 860  | 209 |
| 880  | 219 |
| 900  | 229 |
| 950  | 255 |
| 1000 | 283 |

| GPM | 5”   | 6”   |
|-----|------|------|
| 110 | 2.3  |      |
| 120 | 2.7  |      |
| 130 | 3.2  | 2.1  |
| 140 | 3.7  | 2.4  |
| 150 | 4.2  | 2.8  |
| 160 | 4.8  | 3.2  |
| 170 | 5.4  | 3.6  |
| 180 | 6.0  | 4.0  |
| 190 | 6.7  | 4.5  |
| 200 | 7.5  | 5.0  |
| 210 | 8.2  | 5.5  |
| 220 | 9.0  | 6.0  |
| 230 | 9.9  | 6.6  |
| 240 | 10.7 | 7.2  |
| 250 | 11.7 | 7.8  |
| 260 | 12.6 | 8.4  |
| 270 | 13.6 | 9.1  |
| 280 | 14.6 | 9.8  |
| 290 | 15.7 | 10.5 |
| 300 | 16.8 | 11.2 |
| 310 | 17.9 | 12.0 |
| 320 | 19.1 | 12.7 |
| 330 | 20.3 | 13.5 |
| 340 | 21.6 | 14.4 |
| 350 | 22.8 | 15.2 |
| 360 | 24.2 | 16.1 |
| 370 | 25.5 | 17.0 |
| 380 | 26.9 | 18.0 |
| 390 | 28.4 | 18.9 |
| 400 | 29.8 | 19.9 |
| 410 | 31.3 | 20.9 |
| 420 | 32.9 | 21.9 |
| 430 | 166  | 148  |
| 440 | 173  | 155  |

| GPM  | 5”   | 6”   | 8”   | 10”  | 12” |
|------|------|------|------|------|-----|
| 450  | 37.8 | 25.2 |      |      |     |
| 460  | 39.5 | 26.3 |      |      |     |
| 470  | 41.2 | 27.5 |      |      |     |
| 480  | 43.0 | 28.7 |      |      |     |
| 490  | 44.8 | 29.9 |      |      |     |
| 500  | 46.6 | 31.1 |      |      |     |
| 510  | 48.5 | 32.4 |      |      |     |
| 520  | 50.4 | 33.6 | 10.1 | 4.7  |     |
| 540  | 54.4 | 36.3 | 10.9 | 5.0  |     |
| 560  | 58.5 | 39.0 | 11.8 | 5.4  |     |
| 580  | 62.7 | 41.9 | 12.6 | 5.8  |     |
| 600  | 67.1 | 44.8 | 13.5 | 6.2  |     |
| 620  | 72   | 47.8 | 14.4 | 6.6  |     |
| 640  | 76   | 51.0 | 15.4 | 7.1  |     |
| 660  | 81   | 54.2 | 16.3 | 7.5  |     |
| 680  | 86   | 57.5 | 17.4 | 8.0  |     |
| 700  | 91   | 61.0 | 18.4 | 8.5  |     |
| 720  | 97   | 64.5 | 19.5 | 8.9  |     |
| 740  | 102  | 68.1 | 20.6 | 9.5  |     |
| 760  | 108  | 71.9 | 21.7 | 10.0 |     |
| 780  | 113  | 75.7 | 22.8 | 10.5 |     |
| 800  | 119  | 79.6 | 24.0 | 11.0 |     |
| 820  | 125  | 83.7 | 25.2 | 11.6 |     |
| 840  | 132  | 87.8 | 26.5 | 12.2 |     |
| 860  | 138  | 92.0 | 27.8 | 12.8 |     |
| 880  | 144  | 96.3 | 29.1 | 13.4 |     |
| 900  | 151  | 101  | 30.4 | 14.0 |     |
| 950  | 168  | 112  | 33.9 | 15.6 | 2.9 |
| 1000 | 186  | 124  | 37.5 | 17.3 | 3.2 |
| 1050 | 206  | 137  | 41.4 | 19.0 | 3.5 |
| 1100 | 226  | 151  | 45.4 | 20.9 | 3.9 |
| 1150 | 247  | 165  | 49.6 | 22.8 | 4.2 |
| 1200 | 268  | 179  | 54.0 | 24.9 | 4.6 |
| 1250 | 291  | 194  | 58.6 | 27.0 | 5.0 |
| 1300 |      | 210  | 63.4 | 29.2 | 5.4 |



**Series: CBVF - Differential Pressure: Inches W.C.**

| GPM  | 6"  | 8"    | 10"   | 12"  |
|------|-----|-------|-------|------|
| 1350 | 227 | 68.4  | 31.5  | 5.8  |
| 1400 | 244 | 73.6  | 33.8  | 6.3  |
| 1450 |     | 78.9  | 36.3  | 6.7  |
| 1500 | 280 | 84.4  | 38.8  | 7.2  |
| 1550 |     | 90.2  | 41.5  | 7.7  |
| 1600 |     | 96.1  | 44.2  | 8.2  |
| 1650 |     | 102.2 | 47.0  | 8.7  |
| 1700 |     | 108.5 | 49.9  | 9.2  |
| 1750 |     | 114.9 | 52.9  | 9.8  |
| 1800 |     | 121.6 | 55.9  | 10.4 |
| 1850 |     | 128.4 | 59.1  | 11.0 |
| 1900 |     | 135.5 | 62.3  | 11.6 |
| 1950 |     | 142.7 | 65.6  | 12.2 |
| 2000 |     | 150.1 | 69.0  | 12.8 |
| 2050 |     | 157.7 | 72.5  | 13.5 |
| 2100 |     | 165.5 | 76.1  | 14.1 |
| 2150 |     | 173.5 | 79.8  | 14.8 |
| 2200 |     | 181.6 | 83.5  | 15.5 |
| 2250 |     | 190.0 | 87.4  | 16.2 |
| 2300 |     | 198.5 | 91.3  | 16.9 |
| 2350 |     | 207.3 | 95.3  | 17.7 |
| 2400 |     | 216.2 | 99.4  | 18.4 |
| 2450 |     | 225.2 | 103.6 | 19.2 |
| 2500 |     | 234.6 | 107.9 | 20.2 |
| 2550 |     | 244.0 | 112.2 | 20.8 |
| 2600 |     | 253.7 | 116.7 | 21.6 |
| 2650 |     | 263.5 | 121.2 | 22.5 |
| 2700 |     | 273.6 | 125.8 | 23.3 |
| 2750 |     | 283.8 | 130.5 | 24.2 |
| 2800 |     | 294.2 | 135.3 | 25.1 |
| 2850 |     | 304.8 | 140.2 | 26.0 |
| 2900 |     | 315.6 | 145.2 | 26.9 |
| 2950 |     | 326.6 | 150.2 | 27.9 |

| GPM  | 10"   | 12"  |
|------|-------|------|
| 3000 | 155.4 | 28.8 |
| 3050 | 160.6 | 29.8 |
| 3100 | 165.9 | 30.8 |
| 3150 | 171.3 | 31.8 |
| 3200 | 176.8 | 32.5 |
| 3250 | 182.3 | 33.8 |
| 3300 | 188.0 | 34.9 |
| 3350 | 193.7 | 35.9 |
| 3400 | 199.5 | 37.0 |
| 3450 | 205.5 | 38.1 |
| 3500 | 211.4 | 39.2 |
| 3550 | 217.5 | 40.3 |
| 3600 | 223.7 | 41.5 |
| 3650 | 230.0 | 42.6 |
| 3700 | 236.3 | 43.8 |
| 3750 | 242.7 | 45.0 |
| 3800 | 249.3 | 46.2 |
| 3850 | 255.6 | 47.4 |
| 3900 | 262.5 | 48.7 |
| 3950 | 269.3 | 49.9 |
| 4000 | 276.2 | 51.2 |
| 4050 | 283.1 | 52.5 |
| 4100 | 290.2 | 53.8 |
| 4150 | 297.3 | 55.1 |
| 4200 |       | 56.5 |
| 4250 |       | 57.8 |
| 4300 |       | 59.2 |
| 4350 |       | 60.6 |
| 4400 |       | 62.0 |
| 4450 |       | 63.4 |
| 4500 |       | 64.8 |
| 4550 |       | 66.3 |
| 4600 |       | 67.7 |

| GPM  | 12"   |
|------|-------|
| 4650 | 69.2  |
| 4700 | 70.7  |
| 4750 | 72.2  |
| 4800 | 73.7  |
| 4850 | 75.3  |
| 4900 | 76.8  |
| 4950 | 78.4  |
| 5000 | 80.0  |
| 5050 | 81.6  |
| 5100 | 83.2  |
| 5150 | 84.9  |
| 5200 | 86.5  |
| 5250 | 88.2  |
| 5300 | 89.9  |
| 5350 | 91.6  |
| 5400 | 93.3  |
| 5500 | 96.8  |
| 5700 | 104.0 |
| 5900 | 111.4 |
| 6100 | 119.1 |
| 6300 | 127.0 |
| 6500 | 135.2 |
| 6700 | 143.7 |
| 6900 | 152.4 |
| 7100 | 161.3 |
| 7300 | 170.6 |
| 7500 | 180.0 |
| 7700 | 189.8 |
| 7900 | 199.8 |
| 8100 | 210.2 |
| 8300 | 220.5 |
| 8500 | 231.2 |
| 8700 | 242.3 |

| GPM   | 12"   |
|-------|-------|
| 8900  | 256.5 |
| 9100  | 265.0 |
| 9300  | 276.8 |
| 9500  | 288.9 |
| 9700  | 301.1 |
| 9900  | 313.7 |
| 10100 | 326.5 |
| 10300 | 339.6 |
| 10500 | 352.9 |
| 10700 | 366.4 |
| 10900 | 380.3 |
| 11100 | 394.4 |
| 11300 | 408.7 |
| 11500 | 423.3 |
| 11700 | 438.1 |
| 11900 | 453.2 |
| 12100 | 468.6 |
| 12300 | 484.2 |