



# Flow Chart for 48" Parshall Flume

| Head (feet) | MGD    | CFS    | GPM     |
|-------------|--------|--------|---------|
| 0.16        |        |        |         |
| 0.17        |        |        |         |
| 0.18        |        |        |         |
| 0.19        |        |        |         |
| 0.20        | 0.8160 | 1.2625 | 566.66  |
| 0.21        | 0.8813 | 1.3636 | 612.01  |
| 0.22        | 0.9484 | 1.4674 | 658.62  |
| 0.23        | 1.0173 | 1.5740 | 706.48  |
| 0.24        | 1.0880 | 1.6834 | 755.55  |
| 0.25        | 1.1604 | 1.7954 | 805.82  |
| 0.26        | 1.2345 | 1.9100 | 857.26  |
| 0.27        | 1.3102 | 2.0272 | 909.86  |
| 0.28        | 1.3876 | 2.1469 | 963.60  |
| 0.29        | 1.4666 | 2.2691 | 1,018.5 |
| 0.30        | 1.5472 | 2.3938 | 1,074.4 |
| 0.31        | 1.6293 | 2.5209 | 1,131.5 |
| 0.32        | 1.7130 | 2.6504 | 1,189.6 |
| 0.33        | 1.7982 | 2.7823 | 1,248.8 |
| 0.34        | 1.8850 | 2.9165 | 1,309.0 |
| 0.35        | 1.9732 | 3.0530 | 1,370.3 |
| 0.36        | 2.0629 | 3.1917 | 1,432.5 |
| 0.37        | 2.1540 | 3.3328 | 1,495.8 |
| 0.38        | 2.2466 | 3.4760 | 1,560.1 |
| 0.39        | 2.3406 | 3.6214 | 1,625.4 |
| 0.40        | 2.4360 | 3.7690 | 1,691.6 |
| 0.41        | 2.5328 | 3.9187 | 1,758.9 |
| 0.42        | 2.6309 | 4.0706 | 1,827.0 |
| 0.43        | 2.7304 | 4.2246 | 1,896.1 |
| 0.44        | 2.8313 | 4.3806 | 1,966.2 |
| 0.45        | 2.9335 | 4.5388 | 2,037.1 |
| 0.46        | 3.0370 | 4.6989 | 2,109.0 |
| 0.47        | 3.1418 | 4.8611 | 2,181.8 |
| 0.48        | 3.2479 | 5.0253 | 2,255.5 |
| 0.49        | 3.3554 | 5.1915 | 2,330.1 |
| 0.50        | 3.4640 | 5.3597 | 2,405.6 |
| 0.51        | 3.5740 | 5.5298 | 2,481.9 |
| 0.52        | 3.6852 | 5.7018 | 2,559.1 |
| 0.53        | 3.7976 | 5.8758 | 2,637.2 |
| 0.54        | 3.9113 | 6.0517 | 2,716.2 |
| 0.55        | 4.0262 | 6.2294 | 2,796.0 |
| 0.56        | 4.1423 | 6.4091 | 2,876.6 |
| 0.57        | 4.2596 | 6.5906 | 2,958.1 |
| 0.58        | 4.3781 | 6.7740 | 3,040.4 |
| 0.59        | 4.4978 | 6.9592 | 3,123.5 |
| 0.60        | 4.6187 | 7.1462 | 3,207.4 |

| Head (feet) | MGD    | CFS    | GPM     |
|-------------|--------|--------|---------|
| 0.61        | 4.7407 | 7.3350 | 3,292.2 |
| 0.62        | 4.8639 | 7.5256 | 3,377.7 |
| 0.63        | 4.9883 | 7.7181 | 3,464.1 |
| 0.64        | 5.1138 | 7.9122 | 3,551.2 |
| 0.65        | 5.2405 | 8.1082 | 3,639.2 |
| 0.66        | 5.3682 | 8.3059 | 3,727.9 |
| 0.67        | 5.4971 | 8.5053 | 3,817.4 |
| 0.68        | 5.6271 | 8.7065 | 3,907.7 |
| 0.69        | 5.7583 | 8.9094 | 3,998.8 |
| 0.70        | 5.8905 | 9.1139 | 4,090.6 |
| 0.71        | 6.0238 | 9.3202 | 4,183.2 |
| 0.72        | 6.1582 | 9.5282 | 4,276.5 |
| 0.73        | 6.2937 | 9.7378 | 4,370.6 |
| 0.74        | 6.4303 | 9.9492 | 4,465.5 |
| 0.75        | 6.5680 | 10.162 | 4,561.1 |
| 0.76        | 6.7067 | 10.377 | 4,657.4 |
| 0.77        | 6.8464 | 10.593 | 4,754.4 |
| 0.78        | 6.9872 | 10.811 | 4,852.2 |
| 0.79        | 7.1291 | 11.030 | 4,950.8 |
| 0.80        | 7.2720 | 11.251 | 5,050.0 |
| 0.81        | 7.4160 | 11.474 | 5,150.0 |
| 0.82        | 7.5609 | 11.699 | 5,250.6 |
| 0.83        | 7.7069 | 11.924 | 5,352.0 |
| 0.84        | 7.8540 | 12.152 | 5,454.1 |
| 0.85        | 8.0020 | 12.381 | 5,556.9 |
| 0.86        | 8.1510 | 12.612 | 5,660.4 |
| 0.87        | 8.3011 | 12.844 | 5,764.6 |
| 0.88        | 8.4521 | 13.077 | 5,869.5 |
| 0.89        | 8.6042 | 13.313 | 5,975.1 |
| 0.90        | 8.7572 | 13.549 | 6,081.4 |
| 0.91        | 8.9113 | 13.788 | 6,188.4 |
| 0.92        | 9.0663 | 14.028 | 6,296.0 |
| 0.93        | 9.2222 | 14.269 | 6,404.3 |
| 0.94        | 9.3792 | 14.512 | 6,513.3 |
| 0.95        | 9.5371 | 14.756 | 6,623.0 |
| 0.96        | 9.6960 | 15.002 | 6,733.3 |
| 0.97        | 9.8558 | 15.249 | 6,844.3 |
| 0.98        | 10.017 | 15.498 | 6,956.0 |
| 0.99        | 10.178 | 15.748 | 7,068.3 |
| 1.00        | 10.341 | 16.000 | 7,181.3 |
| 1.01        | 10.505 | 16.253 | 7,294.9 |
| 1.02        | 10.669 | 16.508 | 7,409.2 |
| 1.03        | 10.835 | 16.764 | 7,524.1 |
| 1.04        | 11.001 | 17.021 | 7,639.7 |
| 1.05        | 11.169 | 17.280 | 7,756.0 |



# Flow Chart for 48" Parshall Flume

|      |        |        |         |
|------|--------|--------|---------|
| 1.06 | 11.337 | 17.541 | 7,872.8 |
| 1.07 | 11.506 | 17.803 | 7,990.3 |
| 1.08 | 11.676 | 18.066 | 8,108.5 |
| 1.09 | 11.847 | 18.330 | 8,227.3 |
| 1.10 | 12.019 | 18.597 | 8,346.7 |
| 1.11 | 12.192 | 18.864 | 8,466.7 |
| 1.12 | 12.366 | 19.133 | 8,587.4 |
| 1.13 | 12.541 | 19.403 | 8,708.7 |
| 1.14 | 12.716 | 19.675 | 8,830.6 |
| 1.15 | 12.893 | 19.948 | 8,953.1 |
| 1.16 | 13.070 | 20.222 | 9,076.3 |
| 1.17 | 13.248 | 20.498 | 9,200.0 |
| 1.18 | 13.427 | 20.775 | 9,324.4 |
| 1.19 | 13.607 | 21.053 | 9,449.4 |
| 1.20 | 13.788 | 21.333 | 9,575.0 |
| 1.21 | 13.970 | 21.614 | 9,701.2 |
| 1.22 | 14.152 | 21.897 | 9,828.0 |
| 1.23 | 14.336 | 22.181 | 9,955.4 |
| 1.24 | 14.520 | 22.466 | 10,083  |
| 1.25 | 14.705 | 22.753 | 10,212  |
| 1.26 | 14.891 | 23.040 | 10,341  |
| 1.27 | 15.078 | 23.330 | 10,471  |
| 1.28 | 15.266 | 23.620 | 10,601  |
| 1.29 | 15.455 | 23.912 | 10,732  |
| 1.30 | 15.644 | 24.205 | 10,864  |
| 1.31 | 15.834 | 24.500 | 10,996  |
| 1.32 | 16.026 | 24.795 | 11,129  |
| 1.33 | 16.218 | 25.092 | 11,262  |
| 1.34 | 16.410 | 25.391 | 11,396  |
| 1.35 | 16.604 | 25.690 | 11,531  |
| 1.36 | 16.799 | 25.991 | 11,666  |
| 1.37 | 16.994 | 26.293 | 11,801  |
| 1.38 | 17.190 | 26.597 | 11,937  |
| 1.39 | 17.387 | 26.902 | 12,074  |
| 1.40 | 17.585 | 27.208 | 12,212  |
| 1.41 | 17.783 | 27.515 | 12,349  |
| 1.42 | 17.983 | 27.823 | 12,488  |
| 1.43 | 18.183 | 28.133 | 12,627  |
| 1.44 | 18.384 | 28.444 | 12,767  |
| 1.45 | 18.586 | 28.756 | 12,907  |

|      |        |        |        |
|------|--------|--------|--------|
| 1.46 | 18.788 | 29.070 | 13,048 |
| 1.47 | 18.992 | 29.385 | 13,189 |
| 1.48 | 19.196 | 29.701 | 13,331 |
| 1.49 | 19.401 | 30.018 | 13,473 |
| 1.50 | 19.607 | 30.337 | 13,616 |
| 1.51 | 19.814 | 30.656 | 13,759 |
| 1.52 | 20.021 | 30.977 | 13,904 |
| 1.53 | 20.229 | 31.299 | 14,048 |
| 1.54 | 20.438 | 31.623 | 14,193 |
| 1.55 | 20.648 | 31.947 | 14,339 |
| 1.56 | 20.859 | 32.273 | 14,485 |
| 1.57 | 21.070 | 32.600 | 14,632 |
| 1.58 | 21.282 | 32.929 | 14,779 |
| 1.59 | 21.495 | 33.258 | 14,927 |
| 1.60 | 21.709 | 33.589 | 15,076 |
| 1.61 | 21.923 | 33.920 | 15,225 |
| 1.62 | 22.139 | 34.254 | 15,374 |
| 1.63 | 22.355 | 34.588 | 15,524 |
| 1.64 | 22.571 | 34.923 | 15,675 |
| 1.65 | 22.789 | 35.260 | 15,826 |
| 1.66 | 23.007 | 35.598 | 15,977 |
| 1.67 | 23.226 | 35.936 | 16,129 |
| 1.68 | 23.446 | 36.277 | 16,282 |
| 1.69 | 23.667 | 36.618 | 16,435 |
| 1.70 | 23.888 | 36.960 | 16,589 |
| 1.71 | 24.110 | 37.304 | 16,743 |
| 1.72 | 24.333 | 37.649 | 16,898 |
| 1.73 | 24.557 | 37.995 | 17,053 |
| 1.74 | 24.781 | 38.342 | 17,209 |
| 1.75 | 25.006 | 38.690 | 17,365 |
| 1.76 | 25.232 | 39.040 | 17,522 |
| 1.77 | 25.458 | 39.390 | 17,679 |
| 1.78 | 25.686 | 39.742 | 17,837 |
| 1.79 | 25.914 | 40.095 | 17,996 |
| 1.80 | 26.143 | 40.449 | 18,155 |
| 1.81 | 26.372 | 40.804 | 18,314 |
| 1.82 | 26.602 | 41.160 | 18,474 |
| 1.83 | 26.833 | 41.517 | 18,634 |
| 1.84 | 27.065 | 41.876 | 18,795 |
| 1.85 | 27.298 | 42.236 | 18,957 |



# Flow Chart for 48" Parshall Flume

|      |        |        |        |
|------|--------|--------|--------|
| 1.86 | 27.531 | 42.596 | 19,119 |
| 1.87 | 27.765 | 42.958 | 19,281 |
| 1.88 | 27.999 | 43.321 | 19,444 |
| 1.89 | 28.235 | 43.686 | 19,607 |
| 1.90 | 28.471 | 44.051 | 19,771 |
| 1.91 | 28.708 | 44.417 | 19,936 |
| 1.92 | 28.945 | 44.785 | 20,101 |
| 1.93 | 29.183 | 45.153 | 20,266 |
| 1.94 | 29.422 | 45.523 | 20,432 |
| 1.95 | 29.662 | 45.894 | 20,599 |
| 1.96 | 29.902 | 46.266 | 20,765 |
| 1.97 | 30.143 | 46.639 | 20,933 |
| 1.98 | 30.385 | 47.013 | 21,101 |
| 1.99 | 30.628 | 47.388 | 21,269 |
| 2.00 | 30.871 | 47.764 | 21,438 |
| 2.01 | 31.115 | 48.142 | 21,607 |
| 2.02 | 31.359 | 48.520 | 21,777 |
| 2.03 | 31.605 | 48.900 | 21,948 |
| 2.04 | 31.851 | 49.280 | 22,118 |
| 2.05 | 32.097 | 49.662 | 22,290 |
| 2.06 | 32.345 | 50.045 | 22,462 |
| 2.07 | 32.593 | 50.429 | 22,634 |
| 2.08 | 32.842 | 50.813 | 22,807 |
| 2.09 | 33.091 | 51.199 | 22,980 |
| 2.10 | 33.341 | 51.587 | 23,154 |
| 2.11 | 33.592 | 51.975 | 23,328 |
| 2.12 | 33.844 | 52.364 | 23,502 |
| 2.13 | 34.096 | 52.754 | 23,678 |
| 2.14 | 34.349 | 53.145 | 23,853 |
| 2.15 | 34.602 | 53.538 | 24,029 |
| 2.16 | 34.857 | 53.931 | 24,206 |
| 2.17 | 35.112 | 54.326 | 24,383 |
| 2.18 | 35.367 | 54.721 | 24,561 |
| 2.19 | 35.624 | 55.118 | 24,739 |
| 2.20 | 35.881 | 55.516 | 24,917 |
| 2.21 | 36.138 | 55.914 | 25,096 |
| 2.22 | 36.397 | 56.314 | 25,275 |
| 2.23 | 36.656 | 56.715 | 25,455 |
| 2.24 | 36.915 | 57.117 | 25,636 |
| 2.25 | 37.176 | 57.519 | 25,816 |

|      |        |        |        |
|------|--------|--------|--------|
| 2.26 | 37.437 | 57.923 | 25,998 |
| 2.27 | 37.699 | 58.328 | 26,179 |
| 2.28 | 37.961 | 58.734 | 26,362 |
| 2.29 | 38.224 | 59.141 | 26,544 |
| 2.30 | 38.488 | 59.549 | 26,727 |
| 2.31 | 38.752 | 59.958 | 26,911 |
| 2.32 | 39.017 | 60.368 | 27,095 |
| 2.33 | 39.283 | 60.779 | 27,280 |
| 2.34 | 39.549 | 61.191 | 27,465 |
| 2.35 | 39.816 | 61.605 | 27,650 |
| 2.36 | 40.084 | 62.019 | 27,836 |
| 2.37 | 40.352 | 62.434 | 28,022 |
| 2.38 | 40.621 | 62.850 | 28,209 |
| 2.39 | 40.891 | 63.267 | 28,396 |
| 2.40 | 41.161 | 63.685 | 28,584 |
| 2.41 | 41.432 | 64.105 | 28,772 |
| 2.42 | 41.703 | 64.525 | 28,961 |
| 2.43 | 41.976 | 64.946 | 29,150 |
| 2.44 | 42.249 | 65.368 | 29,339 |
| 2.45 | 42.522 | 65.791 | 29,529 |
| 2.46 | 42.796 | 66.216 | 29,720 |
| 2.47 | 43.071 | 66.641 | 29,910 |
| 2.48 | 43.347 | 67.067 | 30,102 |
| 2.49 | 43.623 | 67.494 | 30,293 |
| 2.50 | 43.899 | 67.922 | 30,486 |