



770.664.6513 (V) 770.664.6565 (F)

Discharge Table For 30" Parshall Flume

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| LEVEL | | FLOW | | |
|-------|--------|--------|-------|--------|
| FEET | INCHES | CFS | GPM | MGD |
| 0.01 | 0.12 | | | |
| 0.02 | 0.24 | | | |
| 0.03 | 0.36 | | | |
| 0.04 | 0.48 | | | |
| 0.05 | 0.60 | | | |
| 0.06 | 0.72 | | | |
| 0.07 | 0.84 | | | |
| 0.08 | 0.96 | | | |
| 0.09 | 1.08 | | | |
| 0.10 | 1.20 | | | |
| 0.11 | 1.32 | | | |
| 0.12 | 1.44 | | | |
| 0.13 | 1.56 | | | |
| 0.14 | 1.68 | | | |
| 0.15 | 1.80 | | | |
| 0.16 | 1.92 | | | |
| 0.17 | 2.04 | | | |
| 0.18 | 2.16 | | | |
| 0.19 | 2.28 | | | |
| 0.20 | 2.40 | 0.8138 | 365.2 | 0.5260 |
| 0.21 | 2.52 | 0.8781 | 394.1 | 0.5675 |
| 0.22 | 2.64 | 0.9441 | 423.7 | 0.6102 |
| 0.23 | 2.76 | 1.012 | 454.1 | 0.6540 |
| 0.24 | 2.88 | 1.081 | 485.3 | 0.6988 |
| 0.25 | 3.00 | 1.152 | 517.2 | 0.7447 |
| 0.26 | 3.12 | 1.225 | 549.8 | 0.7917 |
| 0.27 | 3.24 | 1.299 | 583.1 | 0.8397 |
| 0.28 | 3.36 | 1.375 | 617.1 | 0.8886 |
| 0.29 | 3.48 | 1.452 | 651.8 | 0.9386 |
| 0.30 | 3.60 | 1.531 | 687.1 | 0.9895 |
| 0.31 | 3.72 | 1.611 | 723.2 | 1.041 |
| 0.32 | 3.84 | 1.693 | 759.9 | 1.094 |
| 0.33 | 3.96 | 1.776 | 797.2 | 1.148 |
| 0.34 | 4.08 | 1.861 | 835.2 | 1.203 |
| 0.35 | 4.20 | 1.947 | 873.8 | 1.258 |
| 0.36 | 4.32 | 2.034 | 913.0 | 1.315 |
| 0.37 | 4.44 | 2.123 | 952.8 | 1.372 |
| 0.38 | 4.56 | 2.213 | 993.3 | 1.430 |
| 0.39 | 4.68 | 2.305 | 1034 | 1.489 |
| 0.40 | 4.80 | 2.397 | 1076 | 1.549 |
| 0.41 | 4.92 | 2.491 | 1118 | 1.610 |
| 0.42 | 5.04 | 2.587 | 1161 | 1.672 |
| 0.43 | 5.16 | 2.683 | 1204 | 1.734 |
| 0.44 | 5.28 | 2.781 | 1248 | 1.798 |
| 0.45 | 5.40 | 2.880 | 1293 | 1.862 |
| 0.46 | 5.52 | 2.981 | 1338 | 1.927 |
| 0.47 | 5.64 | 3.082 | 1383 | 1.992 |
| 0.48 | 5.76 | 3.185 | 1430 | 2.059 |
| 0.49 | 5.88 | 3.289 | 1476 | 2.126 |
| 0.50 | 6.00 | 3.395 | 1523 | 2.194 |

| LEVEL | | FLOW | | |
|-------|--------|-------|------|-------|
| FEET | INCHES | CFS | GPM | MGD |
| 0.51 | 6.12 | 3.501 | 1571 | 2.263 |
| 0.52 | 6.24 | 3.609 | 1620 | 2.332 |
| 0.53 | 6.36 | 3.717 | 1668 | 2.403 |
| 0.54 | 6.48 | 3.827 | 1718 | 2.474 |
| 0.55 | 6.60 | 3.938 | 1767 | 2.545 |
| 0.56 | 6.72 | 4.050 | 1818 | 2.618 |
| 0.57 | 6.84 | 4.164 | 1869 | 2.691 |
| 0.58 | 6.96 | 4.278 | 1920 | 2.765 |
| 0.59 | 7.08 | 4.394 | 1972 | 2.840 |
| 0.60 | 7.20 | 4.510 | 2024 | 2.915 |
| 0.61 | 7.32 | 4.628 | 2077 | 2.991 |
| 0.62 | 7.44 | 4.747 | 2130 | 3.068 |
| 0.63 | 7.56 | 4.867 | 2184 | 3.145 |
| 0.64 | 7.68 | 4.988 | 2238 | 3.224 |
| 0.65 | 7.80 | 5.110 | 2293 | 3.302 |
| 0.66 | 7.92 | 5.233 | 2348 | 3.382 |
| 0.67 | 8.04 | 5.357 | 2404 | 3.462 |
| 0.68 | 8.16 | 5.482 | 2460 | 3.543 |
| 0.69 | 8.28 | 5.608 | 2517 | 3.625 |
| 0.70 | 8.40 | 5.735 | 2574 | 3.707 |
| 0.71 | 8.52 | 5.864 | 2632 | 3.790 |
| 0.72 | 8.64 | 5.993 | 2690 | 3.873 |
| 0.73 | 8.76 | 6.123 | 2748 | 3.957 |
| 0.74 | 8.88 | 6.254 | 2807 | 4.042 |
| 0.75 | 9.00 | 6.386 | 2866 | 4.128 |
| 0.76 | 9.12 | 6.520 | 2926 | 4.214 |
| 0.77 | 9.24 | 6.654 | 2986 | 4.300 |
| 0.78 | 9.36 | 6.789 | 3047 | 4.388 |
| 0.79 | 9.48 | 6.925 | 3108 | 4.476 |
| 0.80 | 9.60 | 7.062 | 3170 | 4.564 |
| 0.81 | 9.72 | 7.200 | 3232 | 4.654 |
| 0.82 | 9.84 | 7.339 | 3294 | 4.743 |
| 0.83 | 9.96 | 7.479 | 3357 | 4.834 |
| 0.84 | 10.08 | 7.620 | 3420 | 4.925 |
| 0.85 | 10.20 | 7.762 | 3484 | 5.017 |
| 0.86 | 10.32 | 7.905 | 3548 | 5.109 |
| 0.87 | 10.44 | 8.049 | 3612 | 5.202 |
| 0.88 | 10.56 | 8.193 | 3677 | 5.295 |
| 0.89 | 10.68 | 8.339 | 3743 | 5.390 |
| 0.90 | 10.80 | 8.486 | 3808 | 5.484 |
| 0.91 | 10.92 | 8.633 | 3874 | 5.579 |
| 0.92 | 11.04 | 8.781 | 3941 | 5.675 |
| 0.93 | 11.16 | 8.930 | 4008 | 5.772 |
| 0.94 | 11.28 | 9.081 | 4075 | 5.869 |
| 0.95 | 11.40 | 9.232 | 4143 | 5.966 |
| 0.96 | 11.52 | 9.384 | 4211 | 6.065 |
| 0.97 | 11.64 | 9.536 | 4280 | 6.163 |
| 0.98 | 11.76 | 9.690 | 4349 | 6.263 |
| 0.99 | 11.88 | 9.845 | 4418 | 6.363 |
| 1.00 | 12.00 | 10.00 | 4488 | 6.463 |

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A22, interpolation between 24" and 36".

Table is believed to be accurate, but is not warranted so.



Discharge Table For 30" Parshall Flume

770.664.6513 (V) 770.664.6906 (F)

| LEVEL | | FLOW | | |
|-------|--------|-------|------|-------|
| FEET | INCHES | CFS | GPM | MGD |
| 1.01 | 12.12 | 10.16 | 4558 | 6.564 |
| 1.02 | 12.24 | 10.31 | 4629 | 6.666 |
| 1.03 | 12.36 | 10.47 | 4700 | 6.768 |
| 1.04 | 12.48 | 10.63 | 4771 | 6.870 |
| 1.05 | 12.60 | 10.79 | 4843 | 6.974 |
| 1.06 | 12.72 | 10.95 | 4915 | 7.077 |
| 1.07 | 12.84 | 11.11 | 4987 | 7.182 |
| 1.08 | 12.96 | 11.27 | 5060 | 7.287 |
| 1.09 | 13.08 | 11.44 | 5133 | 7.392 |
| 1.10 | 13.20 | 11.60 | 5207 | 7.498 |
| 1.11 | 13.32 | 11.77 | 5281 | 7.605 |
| 1.12 | 13.44 | 11.93 | 5355 | 7.712 |
| 1.13 | 13.56 | 12.10 | 5430 | 7.819 |
| 1.14 | 13.68 | 12.27 | 5505 | 7.927 |
| 1.15 | 13.80 | 12.43 | 5580 | 8.036 |
| 1.16 | 13.92 | 12.60 | 5656 | 8.145 |
| 1.17 | 14.04 | 12.77 | 5732 | 8.255 |
| 1.18 | 14.16 | 12.94 | 5809 | 8.365 |
| 1.19 | 14.28 | 13.11 | 5886 | 8.476 |
| 1.20 | 14.40 | 13.29 | 5963 | 8.587 |
| 1.21 | 14.52 | 13.46 | 6041 | 8.699 |
| 1.22 | 14.64 | 13.63 | 6119 | 8.811 |
| 1.23 | 14.76 | 13.81 | 6197 | 8.924 |
| 1.24 | 14.88 | 13.98 | 6276 | 9.038 |
| 1.25 | 15.00 | 14.16 | 6355 | 9.151 |
| 1.26 | 15.12 | 14.34 | 6434 | 9.266 |
| 1.27 | 15.24 | 14.51 | 6514 | 9.381 |
| 1.28 | 15.36 | 14.69 | 6594 | 9.496 |
| 1.29 | 15.48 | 14.87 | 6675 | 9.612 |
| 1.30 | 15.60 | 15.05 | 6755 | 9.728 |
| 1.31 | 15.72 | 15.23 | 6837 | 9.845 |
| 1.32 | 15.84 | 15.41 | 6918 | 9.963 |
| 1.33 | 15.96 | 15.60 | 7000 | 10.08 |
| 1.34 | 16.08 | 15.78 | 7082 | 10.20 |
| 1.35 | 16.20 | 15.96 | 7165 | 10.32 |
| 1.36 | 16.32 | 16.15 | 7248 | 10.44 |
| 1.37 | 16.44 | 16.33 | 7331 | 10.56 |
| 1.38 | 16.56 | 16.52 | 7414 | 10.68 |
| 1.39 | 16.68 | 16.71 | 7498 | 10.80 |
| 1.40 | 16.80 | 16.90 | 7583 | 10.92 |
| 1.41 | 16.92 | 17.08 | 7667 | 11.04 |
| 1.42 | 17.04 | 17.27 | 7752 | 11.16 |
| 1.43 | 17.16 | 17.46 | 7837 | 11.29 |
| 1.44 | 17.28 | 17.65 | 7923 | 11.41 |
| 1.45 | 17.40 | 17.85 | 8009 | 11.53 |
| 1.46 | 17.52 | 18.04 | 8095 | 11.66 |
| 1.47 | 17.64 | 18.23 | 8182 | 11.78 |
| 1.48 | 17.76 | 18.42 | 8269 | 11.91 |
| 1.49 | 17.88 | 18.62 | 8356 | 12.03 |
| 1.50 | 18.00 | 18.81 | 8444 | 12.16 |

| LEVEL | | FLOW | | |
|-------|--------|-------|-------|-------|
| FEET | INCHES | CFS | GPM | MGD |
| 1.51 | 18.12 | 19.01 | 8531 | 12.29 |
| 1.52 | 18.24 | 19.21 | 8620 | 12.41 |
| 1.53 | 18.36 | 19.40 | 8708 | 12.54 |
| 1.54 | 18.48 | 19.60 | 8797 | 12.67 |
| 1.55 | 18.60 | 19.80 | 8886 | 12.80 |
| 1.56 | 18.72 | 20.00 | 8976 | 12.93 |
| 1.57 | 18.84 | 20.20 | 9066 | 13.06 |
| 1.58 | 18.96 | 20.40 | 9156 | 13.18 |
| 1.59 | 19.08 | 20.60 | 9246 | 13.32 |
| 1.60 | 19.20 | 20.80 | 9337 | 13.45 |
| 1.61 | 19.32 | 21.01 | 9428 | 13.58 |
| 1.62 | 19.44 | 21.21 | 9520 | 13.71 |
| 1.63 | 19.56 | 21.42 | 9611 | 13.84 |
| 1.64 | 19.68 | 21.62 | 9704 | 13.97 |
| 1.65 | 19.80 | 21.83 | 9796 | 14.11 |
| 1.66 | 19.92 | 22.03 | 9889 | 14.24 |
| 1.67 | 20.04 | 22.24 | 9982 | 14.37 |
| 1.68 | 20.16 | 22.45 | 10075 | 14.51 |
| 1.69 | 20.28 | 22.66 | 10169 | 14.64 |
| 1.70 | 20.40 | 22.87 | 10262 | 14.78 |
| 1.71 | 20.52 | 23.08 | 10357 | 14.91 |
| 1.72 | 20.64 | 23.29 | 10451 | 15.05 |
| 1.73 | 20.76 | 23.50 | 10546 | 15.19 |
| 1.74 | 20.88 | 23.71 | 10641 | 15.32 |
| 1.75 | 21.00 | 23.92 | 10737 | 15.46 |
| 1.76 | 21.12 | 24.14 | 10833 | 15.60 |
| 1.77 | 21.24 | 24.35 | 10929 | 15.74 |
| 1.78 | 21.36 | 24.57 | 11025 | 15.88 |
| 1.79 | 21.48 | 24.78 | 11122 | 16.02 |
| 1.80 | 21.60 | 25.00 | 11219 | 16.16 |
| 1.81 | 21.72 | 25.21 | 11316 | 16.30 |
| 1.82 | 21.84 | 25.43 | 11414 | 16.44 |
| 1.83 | 21.96 | 25.65 | 11512 | 16.58 |
| 1.84 | 22.08 | 25.87 | 11610 | 16.72 |
| 1.85 | 22.20 | 26.09 | 11708 | 16.86 |
| 1.86 | 22.32 | 26.31 | 11807 | 17.00 |
| 1.87 | 22.44 | 26.53 | 11906 | 17.15 |
| 1.88 | 22.56 | 26.75 | 12006 | 17.29 |
| 1.89 | 22.68 | 26.97 | 12105 | 17.43 |
| 1.90 | 22.80 | 27.20 | 12205 | 17.58 |
| 1.91 | 22.92 | 27.42 | 12305 | 17.72 |
| 1.92 | 23.04 | 27.64 | 12406 | 17.87 |
| 1.93 | 23.16 | 27.87 | 12507 | 18.01 |
| 1.94 | 23.28 | 28.09 | 12608 | 18.16 |
| 1.95 | 23.40 | 28.32 | 12709 | 18.30 |
| 1.96 | 23.52 | 28.55 | 12811 | 18.45 |
| 1.97 | 23.64 | 28.77 | 12913 | 18.60 |
| 1.98 | 23.76 | 29.00 | 13016 | 18.74 |
| 1.99 | 23.88 | 29.23 | 13118 | 18.89 |
| 2.00 | 24.00 | 29.46 | 13221 | 19.04 |

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A22, interpolation between 24" and 36".

Table is believed to be accurate, but is not warranted so.



770.664.6513 (V) 770.664.6565 (F)

**Discharge Table
For
30" Parshall Flume**

| LEVEL | | FLOW | | |
|-------|--------|-------|-------|-------|
| FEET | INCHES | CFS | GPM | MGD |
| 2.01 | 24.12 | 29.69 | 13324 | 19.19 |
| 2.02 | 24.24 | 29.92 | 13428 | 19.34 |
| 2.03 | 24.36 | 30.15 | 13531 | 19.49 |
| 2.04 | 24.48 | 30.38 | 13636 | 19.64 |
| 2.05 | 24.60 | 30.61 | 13740 | 19.79 |
| 2.06 | 24.72 | 30.85 | 13844 | 19.94 |
| 2.07 | 24.84 | 31.08 | 13949 | 20.09 |
| 2.08 | 24.96 | 31.32 | 14055 | 20.24 |
| 2.09 | 25.08 | 31.55 | 14160 | 20.39 |
| 2.10 | 25.20 | 31.79 | 14266 | 20.54 |
| 2.11 | 25.32 | 32.02 | 14372 | 20.70 |
| 2.12 | 25.44 | 32.26 | 14478 | 20.85 |
| 2.13 | 25.56 | 32.50 | 14585 | 21.00 |
| 2.14 | 25.68 | 32.74 | 14692 | 21.16 |
| 2.15 | 25.80 | 32.97 | 14799 | 21.31 |
| 2.16 | 25.92 | 33.21 | 14906 | 21.47 |
| 2.17 | 26.04 | 33.45 | 15014 | 21.62 |
| 2.18 | 26.16 | 33.69 | 15122 | 21.78 |
| 2.19 | 26.28 | 33.94 | 15230 | 21.93 |
| 2.20 | 26.40 | 34.18 | 15339 | 22.09 |
| 2.21 | 26.52 | 34.42 | 15447 | 22.25 |
| 2.22 | 26.64 | 34.66 | 15556 | 22.40 |
| 2.23 | 26.76 | 34.91 | 15666 | 22.56 |
| 2.24 | 26.88 | 35.15 | 15775 | 22.72 |
| 2.25 | 27.00 | 35.40 | 15885 | 22.88 |
| 2.26 | 27.12 | 35.64 | 15996 | 23.03 |
| 2.27 | 27.24 | 35.89 | 16106 | 23.19 |
| 2.28 | 27.36 | 36.13 | 16217 | 23.35 |
| 2.29 | 27.48 | 36.38 | 16328 | 23.51 |
| 2.30 | 27.60 | 36.63 | 16439 | 23.67 |
| 2.31 | 27.72 | 36.88 | 16551 | 23.83 |
| 2.32 | 27.84 | 37.13 | 16662 | 23.99 |
| 2.33 | 27.96 | 37.38 | 16774 | 24.16 |
| 2.34 | 28.08 | 37.63 | 16887 | 24.32 |
| 2.35 | 28.20 | 37.88 | 16999 | 24.48 |
| 2.36 | 28.32 | 38.13 | 17112 | 24.64 |
| 2.37 | 28.44 | 38.38 | 17225 | 24.81 |
| 2.38 | 28.56 | 38.63 | 17339 | 24.97 |
| 2.39 | 28.68 | 38.89 | 17453 | 25.13 |
| 2.40 | 28.80 | 39.14 | 17567 | 25.30 |
| 2.41 | 28.92 | 39.40 | 17681 | 25.46 |
| 2.42 | 29.04 | 39.65 | 17795 | 25.63 |
| 2.43 | 29.16 | 39.91 | 17910 | 25.79 |
| 2.44 | 29.28 | 40.16 | 18025 | 25.96 |
| 2.45 | 29.40 | 40.42 | 18140 | 26.12 |
| 2.46 | 29.52 | 40.68 | 18256 | 26.29 |
| 2.47 | 29.64 | 40.93 | 18372 | 26.46 |
| 2.48 | 29.76 | 41.19 | 18488 | 26.62 |
| 2.49 | 29.88 | 41.45 | 18604 | 26.79 |
| 2.50 | 30.00 | 41.71 | 18721 | 26.96 |

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A22, interpolation between 24" and 36".

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