



Discharge Table For 24" Montana Flume

770.664.6513 (V) 770.664.6565 (F)

Document: MON24-D-T Rev.: 2 Date: May 11, 2001 By: Jon Wachter

| 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 | 0.66 | 296 | 0.427 |
| 0.21 | 2.52 | 0.71 | 320 | 0.460 |
| 0.22 | 2.64 | 0.77 | 344 | 0.495 |
| 0.23 | 2.76 | 0.82 | 368 | 0.530 |
| 0.24 | 2.88 | 0.88 | 393 | 0.566 |
| 0.25 | 3.00 | 0.93 | 419 | 0.603 |
| 0.26 | 3.12 | 0.99 | 445 | 0.641 |
| 0.27 | 3.24 | 1.05 | 472 | 0.680 |
| 0.28 | 3.36 | 1.11 | 499 | 0.719 |
| 0.29 | 3.48 | 1.17 | 527 | 0.759 |
| 0.30 | 3.60 | 1.24 | 556 | 0.800 |
| 0.31 | 3.72 | 1.30 | 585 | 0.842 |
| 0.32 | 3.84 | 1.37 | 614 | 0.884 |
| 0.33 | 3.96 | 1.44 | 644 | 0.928 |
| 0.34 | 4.08 | 1.50 | 675 | 0.972 |
| 0.35 | 4.20 | 1.57 | 706 | 1.016 |
| 0.36 | 4.32 | 1.64 | 737 | 1.062 |
| 0.37 | 4.44 | 1.71 | 769 | 1.108 |
| 0.38 | 4.56 | 1.79 | 802 | 1.154 |
| 0.39 | 4.68 | 1.86 | 834 | 1.202 |
| 0.40 | 4.80 | 1.93 | 868 | 1.250 |
| 0.41 | 4.92 | 2.01 | 902 | 1.299 |
| 0.42 | 5.04 | 2.09 | 936 | 1.348 |
| 0.43 | 5.16 | 2.16 | 971 | 1.398 |
| 0.44 | 5.28 | 2.24 | 1006 | 1.449 |
| 0.45 | 5.40 | 2.32 | 1042 | 1.500 |
| 0.46 | 5.52 | 2.40 | 1078 | 1.552 |
| 0.47 | 5.64 | 2.48 | 1114 | 1.605 |
| 0.48 | 5.76 | 2.57 | 1151 | 1.658 |
| 0.49 | 5.88 | 2.65 | 1189 | 1.712 |
| 0.50 | 6.00 | 2.73 | 1226 | 1.766 |

| LEVEL | | FLOW | | |
|-------|--------|------|------|-------|
| FEET | INCHES | CFS | GPM | MGD |
| 0.51 | 6.12 | 2.82 | 1265 | 1.821 |
| 0.52 | 6.24 | 2.90 | 1303 | 1.877 |
| 0.53 | 6.36 | 2.99 | 1342 | 1.933 |
| 0.54 | 6.48 | 3.08 | 1382 | 1.990 |
| 0.55 | 6.60 | 3.17 | 1422 | 2.047 |
| 0.56 | 6.72 | 3.26 | 1462 | 2.105 |
| 0.57 | 6.84 | 3.35 | 1503 | 2.164 |
| 0.58 | 6.96 | 3.44 | 1544 | 2.223 |
| 0.59 | 7.08 | 3.53 | 1585 | 2.283 |
| 0.60 | 7.20 | 3.62 | 1627 | 2.343 |
| 0.61 | 7.32 | 3.72 | 1669 | 2.404 |
| 0.62 | 7.44 | 3.81 | 1712 | 2.465 |
| 0.63 | 7.56 | 3.91 | 1755 | 2.527 |
| 0.64 | 7.68 | 4.01 | 1798 | 2.589 |
| 0.65 | 7.80 | 4.10 | 1842 | 2.652 |
| 0.66 | 7.92 | 4.20 | 1886 | 2.716 |
| 0.67 | 8.04 | 4.30 | 1930 | 2.780 |
| 0.68 | 8.16 | 4.40 | 1975 | 2.844 |
| 0.69 | 8.28 | 4.50 | 2020 | 2.909 |
| 0.70 | 8.40 | 4.60 | 2066 | 2.975 |
| 0.71 | 8.52 | 4.71 | 2112 | 3.041 |
| 0.72 | 8.64 | 4.81 | 2158 | 3.108 |
| 0.73 | 8.76 | 4.91 | 2205 | 3.175 |
| 0.74 | 8.88 | 5.02 | 2252 | 3.242 |
| 0.75 | 9.00 | 5.12 | 2299 | 3.311 |
| 0.76 | 9.12 | 5.23 | 2347 | 3.379 |
| 0.77 | 9.24 | 5.34 | 2395 | 3.448 |
| 0.78 | 9.36 | 5.44 | 2443 | 3.518 |
| 0.79 | 9.48 | 5.55 | 2492 | 3.588 |
| 0.80 | 9.60 | 5.66 | 2541 | 3.659 |
| 0.81 | 9.72 | 5.77 | 2590 | 3.730 |
| 0.82 | 9.84 | 5.88 | 2640 | 3.802 |
| 0.83 | 9.96 | 5.99 | 2690 | 3.874 |
| 0.84 | 10.08 | 6.11 | 2740 | 3.946 |
| 0.85 | 10.20 | 6.22 | 2791 | 4.019 |
| 0.86 | 10.32 | 6.33 | 2842 | 4.093 |
| 0.87 | 10.44 | 6.45 | 2893 | 4.167 |
| 0.88 | 10.56 | 6.56 | 2945 | 4.241 |
| 0.89 | 10.68 | 6.68 | 2997 | 4.316 |
| 0.90 | 10.80 | 6.79 | 3050 | 4.392 |
| 0.91 | 10.92 | 6.91 | 3102 | 4.467 |
| 0.92 | 11.04 | 7.03 | 3155 | 4.544 |
| 0.93 | 11.16 | 7.15 | 3208 | 4.620 |
| 0.94 | 11.28 | 7.27 | 3262 | 4.698 |
| 0.95 | 11.40 | 7.39 | 3316 | 4.775 |
| 0.96 | 11.52 | 7.51 | 3370 | 4.853 |
| 0.97 | 11.64 | 7.63 | 3425 | 4.932 |
| 0.98 | 11.76 | 7.75 | 3480 | 5.011 |
| 0.99 | 11.88 | 7.88 | 3535 | 5.090 |
| 1.00 | 12.00 | 8.00 | 3590 | 5.170 |



Discharge Table For 24" Montana Flume

770.664.6513 (V) 770.664.6906 (F)

| LEVEL | | FLOW | | |
|-------|--------|-------|------|-------|
| FEET | INCHES | CFS | GPM | MGD |
| 1.01 | 12.12 | 8.12 | 3646 | 5.251 |
| 1.02 | 12.24 | 8.25 | 3702 | 5.332 |
| 1.03 | 12.36 | 8.37 | 3759 | 5.413 |
| 1.04 | 12.48 | 8.50 | 3815 | 5.494 |
| 1.05 | 12.60 | 8.63 | 3872 | 5.576 |
| 1.06 | 12.72 | 8.76 | 3930 | 5.659 |
| 1.07 | 12.84 | 8.88 | 3987 | 5.742 |
| 1.08 | 12.96 | 9.01 | 4045 | 5.825 |
| 1.09 | 13.08 | 9.14 | 4103 | 5.909 |
| 1.10 | 13.20 | 9.27 | 4162 | 5.993 |
| 1.11 | 13.32 | 9.40 | 4221 | 6.078 |
| 1.12 | 13.44 | 9.54 | 4280 | 6.163 |
| 1.13 | 13.56 | 9.67 | 4339 | 6.249 |
| 1.14 | 13.68 | 9.80 | 4399 | 6.334 |
| 1.15 | 13.80 | 9.93 | 4459 | 6.421 |
| 1.16 | 13.92 | 10.07 | 4519 | 6.507 |
| 1.17 | 14.04 | 10.20 | 4579 | 6.595 |
| 1.18 | 14.16 | 10.34 | 4640 | 6.682 |
| 1.19 | 14.28 | 10.48 | 4701 | 6.770 |
| 1.20 | 14.40 | 10.61 | 4763 | 6.859 |
| 1.21 | 14.52 | 10.75 | 4824 | 6.947 |
| 1.22 | 14.64 | 10.89 | 4886 | 7.036 |
| 1.23 | 14.76 | 11.03 | 4948 | 7.126 |
| 1.24 | 14.88 | 11.17 | 5011 | 7.216 |
| 1.25 | 15.00 | 11.30 | 5074 | 7.306 |
| 1.26 | 15.12 | 11.45 | 5137 | 7.397 |
| 1.27 | 15.24 | 11.59 | 5200 | 7.488 |
| 1.28 | 15.36 | 11.73 | 5264 | 7.580 |
| 1.29 | 15.48 | 11.87 | 5327 | 7.672 |
| 1.30 | 15.60 | 12.01 | 5392 | 7.764 |
| 1.31 | 15.72 | 12.16 | 5456 | 7.857 |
| 1.32 | 15.84 | 12.30 | 5521 | 7.950 |
| 1.33 | 15.96 | 12.45 | 5586 | 8.044 |
| 1.34 | 16.08 | 12.59 | 5651 | 8.138 |
| 1.35 | 16.20 | 12.74 | 5716 | 8.232 |
| 1.36 | 16.32 | 12.88 | 5782 | 8.327 |
| 1.37 | 16.44 | 13.03 | 5848 | 8.422 |
| 1.38 | 16.56 | 13.18 | 5914 | 8.517 |
| 1.39 | 16.68 | 13.33 | 5981 | 8.613 |
| 1.40 | 16.80 | 13.48 | 6048 | 8.709 |
| 1.41 | 16.92 | 13.62 | 6115 | 8.806 |
| 1.42 | 17.04 | 13.77 | 6182 | 8.903 |
| 1.43 | 17.16 | 13.93 | 6250 | 9.000 |
| 1.44 | 17.28 | 14.08 | 6318 | 9.098 |
| 1.45 | 17.40 | 14.23 | 6386 | 9.196 |
| 1.46 | 17.52 | 14.38 | 6454 | 9.294 |
| 1.47 | 17.64 | 14.53 | 6523 | 9.393 |
| 1.48 | 17.76 | 14.69 | 6592 | 9.492 |
| 1.49 | 17.88 | 14.84 | 6661 | 9.592 |
| 1.50 | 18.00 | 15.00 | 6730 | 9.692 |

| LEVEL | | FLOW | | |
|-------|--------|-------|-------|--------|
| FEET | INCHES | CFS | GPM | MGD |
| 1.51 | 18.12 | 15.15 | 6800 | 9.792 |
| 1.52 | 18.24 | 15.31 | 6870 | 9.893 |
| 1.53 | 18.36 | 15.46 | 6940 | 9.994 |
| 1.54 | 18.48 | 15.62 | 7010 | 10.095 |
| 1.55 | 18.60 | 15.78 | 7081 | 10.197 |
| 1.56 | 18.72 | 15.94 | 7152 | 10.299 |
| 1.57 | 18.84 | 16.09 | 7223 | 10.402 |
| 1.58 | 18.96 | 16.25 | 7295 | 10.505 |
| 1.59 | 19.08 | 16.41 | 7366 | 10.608 |
| 1.60 | 19.20 | 16.57 | 7438 | 10.711 |
| 1.61 | 19.32 | 16.73 | 7510 | 10.815 |
| 1.62 | 19.44 | 16.90 | 7583 | 10.920 |
| 1.63 | 19.56 | 17.06 | 7655 | 11.024 |
| 1.64 | 19.68 | 17.22 | 7728 | 11.129 |
| 1.65 | 19.80 | 17.38 | 7801 | 11.235 |
| 1.66 | 19.92 | 17.55 | 7875 | 11.340 |
| 1.67 | 20.04 | 17.71 | 7948 | 11.446 |
| 1.68 | 20.16 | 17.88 | 8022 | 11.553 |
| 1.69 | 20.28 | 18.04 | 8096 | 11.659 |
| 1.70 | 20.40 | 18.21 | 8171 | 11.766 |
| 1.71 | 20.52 | 18.37 | 8245 | 11.874 |
| 1.72 | 20.64 | 18.54 | 8320 | 11.982 |
| 1.73 | 20.76 | 18.71 | 8395 | 12.090 |
| 1.74 | 20.88 | 18.87 | 8471 | 12.198 |
| 1.75 | 21.00 | 19.04 | 8546 | 12.307 |
| 1.76 | 21.12 | 19.21 | 8622 | 12.416 |
| 1.77 | 21.24 | 19.38 | 8698 | 12.526 |
| 1.78 | 21.36 | 19.55 | 8774 | 12.636 |
| 1.79 | 21.48 | 19.72 | 8851 | 12.746 |
| 1.80 | 21.60 | 19.89 | 8928 | 12.856 |
| 1.81 | 21.72 | 20.06 | 9005 | 12.967 |
| 1.82 | 21.84 | 20.24 | 9082 | 13.078 |
| 1.83 | 21.96 | 20.41 | 9159 | 13.190 |
| 1.84 | 22.08 | 20.58 | 9237 | 13.302 |
| 1.85 | 22.20 | 20.75 | 9315 | 13.414 |
| 1.86 | 22.32 | 20.93 | 9393 | 13.526 |
| 1.87 | 22.44 | 21.10 | 9471 | 13.639 |
| 1.88 | 22.56 | 21.28 | 9550 | 13.752 |
| 1.89 | 22.68 | 21.45 | 9629 | 13.866 |
| 1.90 | 22.80 | 21.63 | 9708 | 13.980 |
| 1.91 | 22.92 | 21.81 | 9787 | 14.094 |
| 1.92 | 23.04 | 21.98 | 9867 | 14.209 |
| 1.93 | 23.16 | 22.16 | 9946 | 14.323 |
| 1.94 | 23.28 | 22.34 | 10026 | 14.439 |
| 1.95 | 23.40 | 22.52 | 10107 | 14.554 |
| 1.96 | 23.52 | 22.70 | 10187 | 14.670 |
| 1.97 | 23.64 | 22.88 | 10268 | 14.786 |
| 1.98 | 23.76 | 23.06 | 10349 | 14.903 |
| 1.99 | 23.88 | 23.24 | 10430 | 15.019 |
| 2.00 | 24.00 | 23.42 | 10511 | 15.136 |



770.664.6513 (V) 770.664.6565 (F)

Discharge Table For 24" Montana Flume

| LEVEL | | FLOW | | |
|-------|--------|-------|-------|--------|
| FEET | INCHES | CFS | GPM | MGD |
| 2.01 | 24.12 | 23.60 | 10593 | 15.254 |
| 2.02 | 24.24 | 23.78 | 10674 | 15.372 |
| 2.03 | 24.36 | 23.97 | 10756 | 15.490 |
| 2.04 | 24.48 | 24.15 | 10839 | 15.608 |
| 2.05 | 24.60 | 24.33 | 10921 | 15.727 |
| 2.06 | 24.72 | 24.52 | 11004 | 15.846 |
| 2.07 | 24.84 | 24.70 | 11087 | 15.965 |
| 2.08 | 24.96 | 24.89 | 11170 | 16.085 |
| 2.09 | 25.08 | 25.07 | 11253 | 16.205 |
| 2.10 | 25.20 | 25.26 | 11336 | 16.325 |
| 2.11 | 25.32 | 25.45 | 11420 | 16.446 |
| 2.12 | 25.44 | 25.63 | 11504 | 16.567 |
| 2.13 | 25.56 | 25.82 | 11588 | 16.688 |
| 2.14 | 25.68 | 26.01 | 11673 | 16.810 |
| 2.15 | 25.80 | 26.20 | 11758 | 16.932 |
| 2.16 | 25.92 | 26.39 | 11842 | 17.054 |
| 2.17 | 26.04 | 26.58 | 11927 | 17.176 |
| 2.18 | 26.16 | 26.77 | 12013 | 17.299 |
| 2.19 | 26.28 | 26.96 | 12098 | 17.422 |
| 2.20 | 26.40 | 27.15 | 12184 | 17.546 |
| 2.21 | 26.52 | 27.34 | 12270 | 17.669 |
| 2.22 | 26.64 | 27.53 | 12356 | 17.793 |
| 2.23 | 26.76 | 27.72 | 12442 | 17.918 |
| 2.24 | 26.88 | 27.92 | 12529 | 18.042 |
| 2.25 | 27.00 | 28.11 | 12616 | 18.167 |
| 2.26 | 27.12 | 28.30 | 12703 | 18.293 |
| 2.27 | 27.24 | 28.50 | 12790 | 18.418 |
| 2.28 | 27.36 | 28.69 | 12877 | 18.544 |
| 2.29 | 27.48 | 28.89 | 12965 | 18.670 |
| 2.30 | 27.60 | 29.08 | 13053 | 18.797 |
| 2.31 | 27.72 | 29.28 | 13141 | 18.924 |
| 2.32 | 27.84 | 29.48 | 13229 | 19.051 |
| 2.33 | 27.96 | 29.67 | 13318 | 19.178 |
| 2.34 | 28.08 | 29.87 | 13406 | 19.306 |
| 2.35 | 28.20 | 30.07 | 13495 | 19.434 |
| 2.36 | 28.32 | 30.27 | 13584 | 19.562 |
| 2.37 | 28.44 | 30.47 | 13674 | 19.691 |
| 2.38 | 28.56 | 30.67 | 13763 | 19.820 |
| 2.39 | 28.68 | 30.87 | 13853 | 19.949 |
| 2.40 | 28.80 | 31.07 | 13943 | 20.078 |
| 2.41 | 28.92 | 31.27 | 14033 | 20.208 |
| 2.42 | 29.04 | 31.47 | 14123 | 20.338 |
| 2.43 | 29.16 | 31.67 | 14214 | 20.469 |
| 2.44 | 29.28 | 31.87 | 14304 | 20.599 |
| 2.45 | 29.40 | 32.08 | 14395 | 20.730 |
| 2.46 | 29.52 | 32.28 | 14487 | 20.862 |
| 2.47 | 29.64 | 32.48 | 14578 | 20.993 |
| 2.48 | 29.76 | 32.69 | 14670 | 21.125 |
| 2.49 | 29.88 | 32.89 | 14761 | 21.257 |
| 2.50 | 30.00 | 33.10 | 14853 | 21.390 |