



VIRTUAL POLYMER COMPOUNDS, LLC

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Minimum and Maximum Free Flow Rates for Standard Parshall Flumes

| Width "W" | Ha Head | Minimum Flow Rate | | | Ha Head | Maximum Flow Rate | | |
|-----------|---------|-------------------|-------|--------|---------|-------------------|--------|--------|
| | | CFS | MGD | GPM | | CFS | MGD | GPM |
| 1 | 0.07 | 0.005 | 0.003 | 2.2 | 0.6 | 0.15 | 0.10 | 68.7 |
| 2 | 0.07 | 0.011 | 0.007 | 4.9 | 0.6 | 0.31 | 0.20 | 137 |
| 3 | 0.10 | 0.028 | 0.018 | 12.6 | 1.5 | 1.86 | 1.20 | 835 |
| 6 | 0.10 | 0.054 | 0.035 | 24.2 | 1.5 | 3.91 | 2.53 | 1750 |
| 9 | 0.10 | 0.091 | 0.059 | 40.8 | 2.0 | 8.87 | 5.73 | 3980 |
| 12 | 0.10 | 0.120 | 0.078 | 53.9 | 2.5 | 16.10 | 10.40 | 7220 |
| 18 | 0.10 | 0.174 | 0.112 | 78.1 | 2.5 | 24.60 | 15.90 | 11000 |
| 24 | 0.15 | 0.423 | 0.273 | 190.0 | 2.5 | 33.10 | 21.40 | 14900 |
| 36 | 0.15 | 0.615 | 0.397 | 276.0 | 2.5 | 50.40 | 32.60 | 22600 |
| 48 | 0.20 | 1.260 | 0.816 | 565.0 | 2.5 | 67.90 | 43.90 | 30500 |
| 60 | 0.20 | 1.550 | 1.000 | 696.0 | 2.5 | 85.60 | 55.30 | 38400 |
| 72 | 0.25 | 2.630 | 1.700 | 1180.0 | 2.5 | 103.00 | 66.90 | 46200 |
| 96 | 0.25 | 3.450 | 2.230 | 1550.0 | 2.5 | 139.00 | 90.10 | 62400 |
| 120 | 0.30 | 5.740 | 3.710 | 2580.0 | 3.5 | 292.00 | 189.00 | 131000 |
| 144 | 0.33 | 7.930 | 5.130 | 3560.0 | 4.5 | 519.00 | 335.00 | 233000 |