

Pipe Flow Chart uPVC Class 6

| Outside \varnothing mm | 40 | 50 | 63 | 75 | 90 | 110 | 125 | 140 | 160 | 200 | 250 | 315 | 355 | 400 | |
|--------------------------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|------|------|------|
| Wall Thickness mm | 1.5 | 1.8 | 1.9 | 2.2 | 2.7 | 2.2 | 2.5 | 2.8 | 3.2 | 3.9 | 4.9 | 6.2 | 7 | 7.8 | |
| Inside \varnothing mm | 37 | 46.4 | 59.2 | 70.6 | 84.6 | 105.6 | 120 | 134.4 | 153.6 | 192.2 | 240.2 | 302.6 | 341 | 384 | |
| m ³ /hr | L/min | | | | | | | | | | | | | | |
| 1.8 | 30 | 0.90 | 0.30 | 0.10 | | | | | | | | | | | |
| 3.6 | 60 | 3.05 | 1.04 | 0.32 | 0.14 | | | | | | | | | | |
| 7.2 | 120 | 10.41 | 3.54 | 1.11 | 0.48 | 0.20 | 0.07 | | | | | | | | |
| 10.8 | 180 | | 7.25 | 2.27 | 0.98 | 0.41 | 0.14 | 0.08 | | | | | | | |
| 14.4 | 240 | | 12.06 | 3.77 | 1.63 | 0.69 | 0.24 | 0.13 | 0.08 | | | | | | |
| 18.0 | 300 | | | 5.60 | 2.42 | 1.02 | 0.35 | 0.19 | 0.11 | 0.06 | | | | | |
| 21.6 | 360 | | | 7.74 | 3.34 | 1.41 | 0.49 | 0.27 | 0.15 | 0.08 | 0.03 | | | | |
| 25.2 | 420 | | | 10.16 | 4.39 | 1.85 | 0.64 | 0.35 | 0.20 | 0.11 | 0.04 | | | | |
| 28.8 | 480 | | | 12.87 | 5.56 | 2.34 | 0.81 | 0.44 | 0.26 | 0.14 | 0.05 | | | | |
| 32.4 | 540 | | | | 6.84 | 2.89 | 1.00 | 0.55 | 0.32 | 0.17 | 0.06 | | | | |
| 36.0 | 600 | | | | 8.25 | 3.48 | 1.21 | 0.66 | 0.38 | 0.20 | 0.07 | | | | |
| 43.2 | 720 | | | | | 4.81 | 1.67 | 0.91 | 0.53 | 0.28 | 0.10 | 0.03 | | | |
| 50.4 | 840 | | | | | 6.31 | 2.19 | 1.19 | 0.69 | 0.37 | 0.13 | 0.04 | | | |
| 57.6 | 960 | | | | | 8.00 | 2.78 | 1.51 | 0.88 | 0.46 | 0.16 | 0.06 | | | |
| 64.8 | 1080 | | | | | | 3.42 | 1.86 | 1.08 | 0.57 | 0.20 | 0.07 | | | |
| 72.0 | 1200 | | | | | | 4.12 | 2.24 | 1.30 | 0.69 | 0.24 | 0.08 | 0.03 | | |
| 79.2 | 1320 | | | | | | 4.88 | 2.65 | 1.54 | 0.82 | 0.28 | 0.10 | 0.03 | | |
| 86.4 | 1440 | | | | | | 5.69 | 3.09 | 1.80 | 0.95 | 0.33 | 0.11 | 0.04 | | |
| 93.6 | 1560 | | | | | | 6.56 | 3.56 | 2.08 | 1.10 | 0.38 | 0.13 | 0.04 | | |
| 100.8 | 1680 | | | | | | | 4.06 | 2.37 | 1.25 | 0.43 | 0.15 | 0.05 | 0.03 | |
| 108.0 | 1800 | | | | | | | 4.59 | 2.67 | 1.41 | 0.49 | 0.17 | 0.06 | 0.03 | |
| 115.2 | 1920 | | | | | | | 5.15 | 3.00 | 1.59 | 0.54 | 0.19 | 0.06 | 0.04 | |
| 122.4 | 2040 | | | | | | | | 3.34 | 1.77 | 0.61 | 0.21 | 0.07 | 0.04 | |
| 129.6 | 2160 | | | | | | | | 3.69 | 1.95 | 0.67 | 0.23 | 0.08 | 0.04 | |
| 136.8 | 2280 | | | | | | | | 4.06 | 2.15 | 0.74 | 0.25 | 0.08 | 0.05 | 0.03 |
| 144.0 | 2400 | | | | | | | | 4.45 | 2.35 | 0.81 | 0.28 | 0.09 | 0.05 | 0.03 |
| 162.0 | 2700 | | | | | | | | | 2.90 | 0.99 | 0.34 | 0.11 | 0.06 | 0.04 |
| 180.0 | 3000 | | | | | | | | | 3.49 | 1.20 | 0.41 | 0.14 | 0.08 | 0.04 |
| 198.0 | 3300 | | | | | | | | | 4.14 | 1.42 | 0.49 | 0.16 | 0.09 | 0.05 |
| 216.0 | 3600 | | | | | | | | | | 1.66 | 0.57 | 0.19 | 0.11 | 0.06 |
| 234.0 | 3900 | | | | | | | | | | 1.91 | 0.66 | 0.22 | 0.12 | 0.07 |
| 252.0 | 4200 | | | | | | | | | | 2.17 | 0.75 | 0.25 | 0.14 | 0.08 |
| 270.0 | 4500 | | | | | | | | | | 2.46 | 0.85 | 0.28 | 0.16 | 0.09 |
| 288.0 | 4800 | | | | | | | | | | 2.75 | 0.95 | 0.32 | 0.18 | 0.10 |
| 324.0 | 5400 | | | | | | | | | | | 1.17 | 0.39 | 0.22 | 0.12 |
| 360.0 | 6000 | | | | | | | | | | | 1.41 | 0.47 | 0.27 | 0.15 |
| 396.0 | 6600 | | | | | | | | | | | 1.67 | 0.56 | 0.31 | 0.18 |
| 432.0 | 7200 | | | | | | | | | | | 1.95 | 0.65 | 0.37 | 0.21 |
| 468.0 | 7800 | | | | | | | | | | | 2.25 | 0.75 | 0.42 | 0.24 |
| 504.0 | 8400 | | | | | | | | | | | | 0.85 | 0.48 | 0.27 |
| 540.0 | 9000 | | | | | | | | | | | | 0.96 | 0.54 | 0.31 |
| 576.0 | 9600 | | | | | | | | | | | | 1.08 | 0.61 | 0.34 |
| 612.0 | 10200 | | | | | | | | | | | | 1.20 | 0.68 | 0.38 |
| 648.0 | 10800 | | | | | | | | | | | | 1.33 | 0.75 | 0.42 |
| 684.0 | 11400 | | | | | | | | | | | | 1.46 | 0.83 | 0.47 |
| 720.0 | 12000 | | | | | | | | | | | | 1.60 | 0.91 | 0.51 |
| 756.0 | 12600 | | | | | | | | | | | | 1.74 | 0.99 | 0.56 |
| 792.0 | 13200 | | | | | | | | | | | | | 1.07 | 0.61 |
| 828.0 | 13800 | | | | | | | | | | | | | 1.16 | 0.65 |
| 864.0 | 14400 | | | | | | | | | | | | | 1.25 | 0.71 |
| 900.0 | 15000 | | | | | | | | | | | | | 1.34 | 0.76 |
| 936.0 | 15600 | | | | | | | | | | | | | 1.44 | 0.81 |
| 972.0 | 16200 | | | | | | | | | | | | | 1.54 | 0.87 |
| 1008.0 | 16800 | | | | | | | | | | | | | | 0.93 |

KEY

- Pipe size may be excessive
- Smaller Pipe may be more suitable
- Suitable for very long pipe runs
- Suitable for long pipe runs 100's m
- Only use in short pipe runs 10's m
- Very short Pipe runs m's

HEAD LOSS PER 100m STRAIGHT PIPE