



# 流量计管径-流速-流量对照表（圆管）

管径:英吋      流速:M/S      流量:CMM

| 圆管径    | 内径  | 流速  | 流量          | 流速  | 流量          | 流速 | 流量          | 流速 | 流量          | 流速 | 流量          | 流速 | 流量          | 流速 | 流量          | 流速 | 流量          | 流速 | 流量          |
|--------|-----|-----|-------------|-----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|
| G1/4   | 8   | 1.5 | 0.004524005 | 2.5 | 0.007540008 | 3  | 0.00904801  | 10 | 0.030160032 | 15 | 0.045240048 | 20 | 0.060320064 | 30 | 0.090480096 | 40 | 0.120640128 | 60 | 0.180960192 |
| G3/8   | 10  | 1.5 | 0.007068758 | 2.5 | 0.011781263 | 3  | 0.014137515 | 10 | 0.04712505  | 15 | 0.070687575 | 20 | 0.0942501   | 30 | 0.14137515  | 40 | 0.1885002   | 60 | 0.2827503   |
| G1/2   | 15  | 1.5 | 0.015904704 | 2.5 | 0.026507841 | 3  | 0.031809409 | 10 | 0.106031363 | 15 | 0.159047044 | 20 | 0.212062725 | 30 | 0.318094088 | 40 | 0.42412545  | 60 | 0.636188175 |
| G3/4   | 20  | 1.5 | 0.02827503  | 2.5 | 0.04712505  | 3  | 0.05655006  | 10 | 0.1885002   | 15 | 0.2827503   | 20 | 0.3770004   | 30 | 0.5655006   | 40 | 0.7540008   | 60 | 1.1310012   |
| G1     | 25  | 1.5 | 0.044179734 | 2.5 | 0.073632891 | 3  | 0.088359469 | 10 | 0.294531563 | 15 | 0.441797344 | 20 | 0.589063125 | 30 | 0.883594688 | 40 | 1.17812625  | 60 | 1.767189375 |
| G1 1/4 | 32  | 1.5 | 0.072384077 | 2.5 | 0.120640128 | 3  | 0.144768154 | 10 | 0.482560512 | 15 | 0.723840768 | 20 | 0.965121024 | 30 | 1.447681536 | 40 | 1.930242048 | 60 | 2.895363072 |
| G1 1/2 | 40  | 1.5 | 0.11310012  | 2.5 | 0.1885002   | 3  | 0.22620024  | 10 | 0.7540008   | 15 | 1.1310012   | 20 | 1.5080016   | 30 | 2.2620024   | 40 | 3.0160032   | 60 | 4.5240048   |
| G2     | 50  | 1.5 | 0.176718938 | 2.5 | 0.294531563 | 3  | 0.353437875 | 10 | 1.17812625  | 15 | 1.767189375 | 20 | 2.3562525   | 30 | 3.53437875  | 40 | 4.712505    | 60 | 7.0687575   |
| G2 1/2 | 65  | 1.5 | 0.298655004 | 2.5 | 0.497758341 | 3  | 0.597310009 | 10 | 1.991033363 | 15 | 2.986550044 | 20 | 3.982066725 | 30 | 5.973100088 | 40 | 7.96413345  | 60 | 11.94620018 |
| G3     | 75  | 1.5 | 0.397617609 | 2.5 | 0.662696016 | 3  | 0.795235219 | 10 | 2.650784063 | 15 | 3.976176094 | 20 | 5.301568125 | 30 | 7.952352188 | 40 | 10.60313625 | 60 | 15.90470438 |
| G3 1/2 | 90  | 1.5 | 0.572569358 | 2.5 | 0.954282263 | 3  | 1.145138715 | 10 | 3.81712905  | 15 | 5.725693575 | 20 | 7.6342581   | 30 | 11.45138715 | 40 | 15.2685162  | 60 | 22.9027743  |
| G4     | 100 | 1.5 | 0.70687575  | 2.5 | 1.17812625  | 3  | 1.4137515   | 10 | 4.712505    | 15 | 7.0687575   | 20 | 9.42501     | 30 | 14.137515   | 40 | 18.85002    | 60 | 28.27503    |
| G4 1/2 | 115 | 1.5 | 0.934843179 | 2.5 | 1.558071966 | 3  | 1.869686359 | 10 | 6.232287863 | 15 | 9.348431794 | 20 | 12.46457573 | 30 | 18.69686359 | 40 | 24.92915145 | 60 | 37.39372718 |
| G5     | 125 | 1.5 | 1.104493359 | 2.5 | 1.840822266 | 3  | 2.208986719 | 10 | 7.363289063 | 15 | 11.04493359 | 20 | 14.72657813 | 30 | 22.08986719 | 40 | 29.45315625 | 60 | 44.17973438 |
| G16    | 400 | 1.5 | 11.310012   | 2.5 | 18.85002    | 3  | 22.620024   | 10 | 75.40008    | 15 | 113.10012   | 20 | 150.80016   | 30 | 226.20024   | 40 | 301.60032   | 60 | 452.40048   |

风量 (吨/分钟) = 风速 (米/分钟) × 截面积 (米平方)