

# SMARTFLOW<sup>®</sup>

## Turbulent Flow Reference Chart

Approximate Minimum Flow required for turbulence in drilled water passages based on Reynolds Number of 4000

Passage Diameter	Nominal Pipe Size	Minimum Flow in GPM by Temperature		
		40°F	120°F	200°F
0.44"	1/4"	0.88	0.31	0.18
0.59"	3/8"	1.16	0.42	0.24
0.72"	1/2"	1.41	0.51	.029

Passage Diameter	Nominal Pipe Size	Minimum Flow in LPM by Temperature		
		4°C	49°C	93°C
11mm	1/4"	3.3	1.2	0.7
15mm	3/8"	4.4	1.6	0.9
18mm	1/2"	5.3	1.9	1.1

Try the on-line calculator

[www.smartflow-usa.com/turbulent-flow-rate-calculator](http://www.smartflow-usa.com/turbulent-flow-rate-calculator)



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