

Turbulent Flow Reference Chart

Approximate Minimum Flow (gallons per minute and liters per minute at 70°F) required for turbulent flow in drilled water passages based on Reynolds Number of 4000

Pipe Size (nominal)	Drilled Passage I.D.			Flow Rate	
	drill size	inches	mm	GPM	LPM
1/16"	1/4	.250	6.4	.33	1.2
1/8"	R	.339	8.6	.44	1.7
1/4"	7/16	.438	11.1	.55	2.1
3/8"	19/32	.593	15.1	.74	2.8
1/2"	23/32	.719	18.3	.90	3.4
3/4"	15/16	.938	23.8	1.17	4.4
1"	1-5/32	1.156	29.3	1.44	5.5

**burger &
brown**
engineering, inc.

4500 E 142nd Street
Grandview, MO 64030
tel. 800-764-3518
fax 816-878-6683

SMARTFLOW[®]

Injection Molding Accessories
www.smartflow-usa.com