Pipe
Flow Rates & Pressure Loss

Flow rates for recirculating loops based on PVC Schedule 80

It has been shown that keeping a system flowing at 3 to 5 feet per second will substantially reduce bacteria growth. All information based on 100 feet of pipe.

PVC PIPE SIZE	1-1/2 FEET PER SECOND		3 FEET PER SECOND*		5 FEET PER SECOND**		7 FEET PER SECOND	
	Flow GPM	Pressure Drop	Flow GPM	Pressure Drop	Flow GPM	Pressure Drop	Flow GPM	Pressure Drop
½"	1 GPM	1 PSI	2 GPM	3.5 PSI	3 GPM	8 PSI	5 GPM	19 PSI
¾"	2 GPM	.75 PSI	4 GPM	3 PSI	6 GPM	7 PSI	10 GPM	14 PSI
1"	3.5 GPM	.5 PSI	6 GPM	2 PSI	10.5 GPM	4.3 PSI	15 GPM	8.8 PSI
1-1/4"	6 GPM	.4 PSI	11.5 GPM	1.25 PSI	18 GPM	3.5 PSI	28 GPM	7 PSI
1-1/2"	9 GPM	.3 PSI	16 GPM	1 PSI	27 GPM	2.75 PSI	38 GPM	4.75 PSI
2"	15 GPM	.2 PSI	27 GPM	.85 PSI	45 GPM	2 PSI	65 GPM	4 PSI

*Minimum for continuous loop (AAMI Guidelines)

**Preferred for continuous loop (AAMI Guidelines)