

## Schedule 80 Performance - pressure

PRESSURE LOSS FROM FRICTION (IN LBS PER SQUARE INCH) PER 100 FEET OF SCHEDULE 80 PIPE											
Flow GPM	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
1	0.96	0.24									
2	3.51	0.79									
3	7.36	1.68									
4	12.66	2.85	0.82								
5	19.05	4.23	1.26								
6	26.07	6.02	1.75								
7		7.98	2.31								
8		10.25	2.95	0.66							
9		13.51	3.72	0.82							
10		15.44	4.50	1.00							
11			5.34	1.19							
12			6.27	1.39	0.71						
13			7.29	1.62	0.83						
14			8.36	1.85	0.95						
15			9.51	2.10	1.07						
20				3.57	1.81	0.48					
25				5.41	2.75	0.70					
30				7.58	3.85	0.98					
35					5.13	1.31					
40					6.57	1.67	0.73				
50					9.92	2.52	1.09				
60						3.53	1.53				
70						4.70	2.04	0.75			
80						6.02	2.59	0.96			
90						7.51	3.23	1.19			
100							3.92	1.44	0.38		
110							4.70	1.73	0.44		
120							5.49	2.02	0.52		
140							7.31	2.69	0.69		
150								3.06	0.79		
160									0.90	0.101	
170									0.99	0.113	
190									1.22	0.139	
200									1.35	0.153	0.039
220									1.64	0.182	0.047

## CONTINUED: Schedule 80 Performance - pressure

PRESSURE LOSS FROM FRICTION (IN LBS PER SQUARE INCH) PER 100 FEET OF SCHEDULE 80 PIPE											
Flow GPM	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
240									1.90	0.210	0.055
260										0.248	0.064
280										0.285	0.073
300										0.323	0.083
320										0.364	0.093
340										0.407	0.104
360										0.455	0.113
380										0.502	0.128
400										0.550	0.141
450										0.684	0.175
550										0.992	0.254
600											0.297
650											0.346
700											0.397
750											0.450
800											0.507
850											0.567
900											0.632
1000											0.766

Use With Caution: Flow Velocity above 5' per second may cause turbulence or create damaging surge pressures.

## Schedule 80 Performance - velocity

VELOCITY OF FLOW (IN FEET PER SECOND) FOR SCHEDULE 80 PIPE											
Flow GPM	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
1	1.37	0.74									
2	2.73	1.48									
3	4.10	2.22									
4	5.47	2.96	1.78								
5	6.84	3.70	2.23								
6		4.44	2.67								
7		5.18	3.12								
8		5.92	3.56	2.00							
9		6.66	4.01	2.25							
10			4.45	2.50	1.81						
11			4.90	2.74	1.99						
12			5.34	2.99	2.17						
13			5.79	3.24	2.35						
14			6.23	3.49	2.54						
15			6.68	3.74	2.72						
20				4.99	3.62	2.17					
25				6.24	4.53	2.71					
30					5.43	3.25	2.27				
35					6.34	3.79	2.64				
40						4.34	3.02				
50						5.42	3.78				
60						6.50	4.53				
70							5.29	3.40			
80							6.04	3.88			
90							6.80	4.37			
100								4.85	2.78		
110								5.34	3.06		
120								5.82	3.34		
130								6.31	3.61		
140								6.79	3.89		
150									4.17		
160									4.45		
170									4.73	2.08	
180									5.00	2.22	

## CONTINUED: Schedule 80 Performance - velocity

VELOCITY OF FLOW (IN FEET PER SECOND) FOR SCHEDULE 80 PIPE											
Flow GPM	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
190									5.28	2.34	
200									5.56	2.46	1.41
220									6.12	2.71	1.55
240									6.67	2.96	1.69
260										3.20	1.83
280										3.45	1.97
300										3.69	2.11
320										3.94	2.24
340										4.19	2.39
360										4.43	2.64
380										4.68	2.68
400										4.93	2.81
450										5.54	3.16
500										6.16	3.51
550										6.77	3.86
600											4.22
650											4.57
700											4.92
750											5.27
800											5.62
850											5.97

Use With Caution: Flow Velocity above 5' per second may cause turbulence or create damaging surge pressures.