

## SDR 21 Pressure Loss

PRESSURE LOSS FROM FRICTION (IN LBS. PER SQUARE INCH) PER  
100 FEET OF SDR 21 (PR 200) PIPE

Flow GPM	*1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
1	0.26										
2	0.89	0.26									
3	1.86	0.52									
4	3.12	0.90	0.28								
5	4.76	1.37	0.42								
6	6.62	1.90	0.59								
7	8.82	2.52	0.80								
8		3.21	1.02	0.31							
9		4.05	1.24	0.40							
10		4.90	1.52	0.50	0.26						
11		5.82	1.81	0.59	0.30						
12		6.83	2.14	0.69	0.36						
13		7.94	2.51	0.80	0.41						
14			2.86	0.90	0.48						
15			3.26	1.02	0.56						
20			5.53	1.76	0.90	0.31					
25			8.36	2.67	1.39	0.48					
30				3.72	1.93	0.66	0.27				
35				4.96	2.56	0.89	0.36				
40				6.33	3.28	1.16	0.46				
50					5.08	1.77	0.71				
60					6.97	2.42	0.98				
70						3.22	1.28	0.50			
80						4.10	1.62	0.63			
90						5.10	2.00	0.80	0.24		
100							2.44	0.99	0.30		
110							2.90	1.15	0.35		
120							3.43	1.36	0.40	0.110	
140								1.80	0.52	0.142	0.065
150								2.05	0.60	0.162	0.076
160								2.33	0.70	0.182	0.081
170								2.59	0.76	0.210	0.092
190									0.94	0.255	0.115

## CONTINUED: SDR 21 Pressure Loss

PRESSURE LOSS FROM FRICTION (IN LBS. PER SQUARE INCH) PER 100 FEET OF SDR 21 (PR 200) PIPE											
Flow GPM	*1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
200									1.03	0.280	0.130
220									1.25	0.335	0.148
240									1.44	0.390	0.173
260									1.64	0.450	0.200
280									1.95	0.520	0.235
300										0.600	0.260
320										0.670	0.295
340										0.745	0.330
360										0.830	0.365
380										0.920	0.405
400											0.470
450											0.580
550											0.800
600											0.940

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

\*1/2" is SDR 13.5

## SDR 21 Flow

### VELOCITY OF FLOW (IN FEET PER SECOND) FOR SDR 21, PR 200 PVC PIPE

Flow GPM	*1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
1	0.80										
2	1.59	0.94									
3	2.39	1.42									
4	3.19	1.89	1.16								
5	3.98	2.36	1.45								
6	4.78	2.83	1.73								
7	5.58	3.30	2.02								
8		3.78	2.31	1.46							
9		4.25	2.60	1.64							
10		4.72	2.89	1.82	1.38						
11		5.19	3.18	2.00	1.52						
12		5.66	3.47	2.18	1.66						
13		6.14	3.76	2.37	1.79						
14			4.05	2.55	1.93						
15			4.34	2.73	2.07						
20			5.78	3.64	2.76	1.77					
25			7.23	4.55	3.45	2.21					
30				5.46	4.14	2.66	1.81				
35				6.37	4.83	3.10	2.11				
40				7.28	5.52	3.54	2.41				
50					6.90	4.43	3.02				
60					8.28	5.31	3.62				
70						6.20	4.22	2.86			
80						7.08	4.82	3.26			
90						7.97	5.43	3.67	2.21		
100							6.03	4.08	2.46		
110							6.63	4.49	2.71		
120							7.24	4.90	2.95	1.95	
130								5.30	3.20	2.13	1.51
140								5.71	3.44	2.28	1.62
150								6.12	3.69	2.43	1.73
160								6.53	3.94	2.60	1.85
170								6.94	4.18	2.79	1.97
180									4.43	2.97	2.10
190									4.66	3.10	2.20

## CONTINUED: SDR 21 Flow

VELOCITY OF FLOW (IN FEET PER SECOND) FOR SDR 21, PR 200 PVC PIPE											
Flow GPM	*1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
200									4.92	3.25	2.30
220									5.41	3.58	2.57
240									5.90	3.90	2.78
260									6.40	4.25	3.00
280									6.89	4.55	3.23
300										4.91	3.46
320										5.25	3.70
340										5.55	3.95
360										5.80	4.17
380										6.20	4.40
400											4.61
450											5.18
500											5.76
550											6.40
600											6.95

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

\*1/2" is SDR 13.5