

SANITARY TUBE TRANSFER VELOCITY

OD (Inch)	1	1.5	2	2.5	3	4
Gauge	16	16	16	16	16	14
ID (Inch)	0.87	1.37	1.87	2.37	2.87	3.83
Flow (GPM)	Velocity (ft/sec)					
5	2.70					
10	5.40	2.18				
15	8.01	3.26	1.75			
20	10.79	4.35	2.34			
25	13.49	5.44	2.92	1.82		
50		10.88	5.84	3.64		
75		16.32	8.76	5.45	3.72	
100			11.68	7.27	4.96	
125			14.60	9.09	6.20	
150			17.52	10.91	7.44	4.18
175				12.73	8.68	4.87
200				14.55	9.92	5.57
225				16.36	11.16	6.27
250					12.40	6.96
275					13.64	7.66
300					14.88	8.35
325						9.05
350						9.75
375						10.44
400						11.14
425						11.84
450						12.53
Properties/100 ft of Tube						
gallons	3.09	7.66	14.3	22.9	33.6	60.0
lbs – dry	65.8	101	136	171	206	352
lbs – wet	91.5	165	255	362	487	852

100 GPM flow in 3-in. OD has a velocity of 4.96 ft/sec. Water at 70° F.



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