

Pump Speed High				Stainless Steel radius = 10 mm			
Time (s)	T1	T2	T3	theta	Fo	1/Bi	h
0	84.36	83.04	30.36	No need to calculate at time=zero			#DIV/0!
2	84.34	82.94	39.08	0.838	0.09		#DIV/0!
4	84.36	83.01	47.55	0.682	0.18		#DIV/0!
6	84.37	83.07	54.8	0.547	0.27		#DIV/0!
8	84.38	83.14	60.47	0.443	0.36		#DIV/0!
10	84.39	83.22	65.08	0.357	0.45		#DIV/0!
12	84.39	83.32	68.88	0.287	0.54	0.39	4179.49
14	84.39	83.38	71.94	0.230	0.63		#DIV/0!
16	84.4	83.41	74.36	0.186	0.72		#DIV/0!
18	84.41	83.47	76.23	0.151	0.81		#DIV/0!
20	84.4	83.53	77.67	0.125	0.9		#DIV/0!
22	84.41	83.55	78.79	0.104	0.99		#DIV/0!
24	84.41	83.59	79.68	0.088	1.08	0.48	3395.83
26	84.41	83.62	80.42	0.074	1.17		#DIV/0!
28	84.41	83.65	81.02	0.063	1.26		#DIV/0!
30	84.4	83.67	81.5	0.054	1.35		#DIV/0!
32	84.39	83.68	81.87	0.047	1.44		#DIV/0!
34	84.39	83.69	82.15	0.041	1.53		#DIV/0!
36	84.39	83.7	82.38	0.037	1.62	0.61	2672.13
38	84.38	83.71	82.56	0.034	1.71		#DIV/0!
40	84.38	83.72	82.71	0.031	1.8		#DIV/0!
42	84.38	83.72	82.83	0.029	1.89		#DIV/0!
44	84.37	83.72	82.92	0.027	1.98		#DIV/0!
46	84.36	83.71	82.99	0.025	2.07		#DIV/0!
48	84.35	83.71	83.05	0.024	2.16		#DIV/0!
50	84.35	83.71	83.09	0.023	2.25	0.85	1917.6
52	84.35	83.71	83.12	0.023	2.34		#DIV/0!
54	84.34	83.7	83.15	0.022	2.43		#DIV/0!
56	84.34	83.7	83.17	0.022	2.52		#DIV/0!
58	84.33	83.7	83.18	0.021	2.61		#DIV/0!
60	84.33	83.7	83.2	0.021	2.7		#DIV/0!
62	84.32	83.69	83.2	0.021	2.79		#DIV/0!
64	84.32	83.69	83.21	0.021	2.88	1.13	1442.5
66	84.32	83.69	83.22	0.020	2.97		#DIV/0!
68	84.33	83.69	83.23	0.020	3.06		#DIV/0!
70	84.32	83.69	83.23	0.020	3.15		#DIV/0!
72	84.32	83.68	83.24	0.020	3.24		#DIV/0!
74	84.31	83.67	83.23	0.020	3.33		#DIV/0!
76	84.31	83.67	83.23	0.020	3.42		#DIV/0!
78	84.31	83.67	83.23	0.0200	3.51	1.41	1156.0
80	84.31	83.67	83.23	0.020	3.6		#DIV/0!

Pump Speed Low				Stainless Steel radius = 10 mm			
Time (s)	T1	T2	T3	theta	Fo	1/Bi	h
0	83.25	81.95	33.23	No need to calculate at time=zero			#DIV/0!
2	83.16	81.94	40.72	0.850	0.09		#DIV/0!
4	83.18	81.91	47.51	0.714	0.18		#DIV/0!
6	83.19	81.91	53.52	0.594	0.27		#DIV/0!
8	83.18	81.96	58.57	0.493	0.36		#DIV/0!
10	83.18	81.98	62.68	0.410	0.45		#DIV/0!
12	83.21	82.05	66.11	0.342	0.54	0.49	3326.53
14	83.21	82.09	68.96	0.285	0.63		#DIV/0!
16	83.21	82.13	71.26	0.239	0.72		#DIV/0!
18	83.21	82.16	73.12	0.202	0.81		#DIV/0!
20	83.21	82.23	74.7	0.170	0.9		#DIV/0!
22	83.22	82.25	76.03	0.144	0.99		#DIV/0!
24	83.21	82.28	77.08	0.123	1.08	0.61	2672.13
26	83.22	82.32	77.95	0.105	1.17		#DIV/0!
28	83.22	82.33	78.68	0.091	1.26		#DIV/0!
30	83.22	82.36	79.28	0.079	1.35		#DIV/0!
32	83.22	82.4	79.77	0.069	1.44		#DIV/0!
34	83.22	82.42	80.19	0.061	1.53		#DIV/0!
36	83.21	82.43	80.52	0.054	1.62	0.79	2063.29
38	83.21	82.45	80.79	0.048	1.71		#DIV/0!
40	83.2	82.46	81.02	0.044	1.8		#DIV/0!
42	83.2	82.47	81.2	0.040	1.89		#DIV/0!
44	83.19	82.48	81.36	0.037	1.98		#DIV/0!
46	83.18	82.48	81.48	0.034	2.07		#DIV/0!
48	83.18	82.48	81.58	0.032	2.16		#DIV/0!
50	83.17	82.48	81.66	0.030	2.25	0.91	1791.21
52	83.18	82.48	81.74	0.029	2.34		#DIV/0!
54	83.17	82.48	81.8	0.027	2.43		#DIV/0!
56	83.15	82.47	81.83	0.026	2.52		#DIV/0!
58	83.15	82.47	81.87	0.026	2.61		#DIV/0!
60	83.15	82.47	81.91	0.025	2.7		#DIV/0!
62	83.14	82.47	81.94	0.024	2.79		#DIV/0!
64	83.13	82.47	81.96	0.023	2.88	1.11	1468.47
66	83.13	82.47	81.98	0.023	2.97		#DIV/0!
68	83.12	82.46	81.99	0.023	3.06		#DIV/0!
70	83.12	82.47	82.02	0.022	3.15		#DIV/0!
72	83.12	82.46	82.02	0.022	3.24		#DIV/0!
74	83.12	82.47	82.03	0.022	3.33		#DIV/0!
76	83.11	82.46	82.03	0.022	3.42		#DIV/0!
78	83.1	82.45	82.03	0.021	3.51	1.43	1139.86
80	83.1	82.43	82.03	0.021	3.6		#DIV/0!

Charts

