

Rev. 4-99 Shaded area indicates changes

Table 6: Density and Viscosity of Pure Water (continued)

These charts have been reprinted from pp. 63-66 of John R. Freeman's book "Experiments upon the Flow of Water in Pipes and Pipe Fit-

<i>t</i>	<i>t</i>	μ	Δ	ρ	Δ	ν	Δ	μ	Δ	ρ	Δ	ν	Δ
° F.	° C.	Dyne Sec. Sq. Cm.		Grams Cu. Cm.		Sq. Cm. Sec.		Lb. Sec. Sq. Ft.		Slugs Cu. Ft.		Sq. Ft. Sec.	
1	2	3		4		5		6		7		8	
50.0	10.0000	13097	101	7277	249	13101	101	27354	211	9807	48	14101	108
50.5	10.2778	12996	101	7028	261	13006	101	27143	211	9759	51	13993	108
51.0	10.5556	12895	100	0.9996767	272	12899	100	26932	209	9708	52	13885	108
51.5	10.8333	12795	98	6495	282	12799	97	26723	205	9656	55	13777	105
52.0	11.1111	0.012697	96	0.9996213	290	0.012702	96	0.000026518	200	1.939601	56	0.000013672	103
52.5	11.3889	12601	96	0.9995923	302	12606	96	26318	201	9545	59	13569	103
53.0	11.6667	12505	96	5621	311	12510	95	26117	209	9486	60	13466	103
53.5	11.9444	12409	92	5310	320	12415	92	25917	192	9426	62	13363	98
54.0	12.2222	12317	92	0.9994990	330	12323	91	25725	192	9364	64	13265	99
54.5	12.5000	12225	91	4660	341	12232	91	25533	191	9300	67	13166	98
55.0	12.7778	0.012134	90	0.9994319	350	0.012141	90	0.000025342	187	1.939233	68	0.000013068	96
55.5	13.0556	12044	87	0.9993969	358	12051	86	25155	182	9165	69	12972	93
56.0	13.3333	11957	87	3611	368	11965	87	24973	182	9096	71	12879	94
56.5	13.6111	11870	87	3243	378	11878	86	24791	182	9025	74	12785	93
57.0	13.8889	11783	85	2865	386	11791	84	24609	177	1.938951	75	12692	91
57.5	14.1667	11698	84	2479	396	11707	84	24432	176	8876	77	12601	90
58.0	14.4444	0.011614	83	0.9992083	405	0.011623	82	0.000024256	173	1.938799	78	0.000012511	89
58.5	14.7222	11531	84	0.9991678	413	11541	84	24083	175	8721	80	12422	90
59.0	15.0000	11447	81	1265	423	11457	81	23908	170	8641	82	12332	87
59.5	15.2778	11366	81	0.9990842	432	11376	80	23738	169	8559	84	12245	86
60.0	15.5556	11285	81	0410	441	11296	81	23569	169	8475	86	12159	87
60.5	15.8333	11204	79	0.9989969	449	11215	78	23400	165	8389	87	12072	85
61.0	16.1111	0.011125	78	0.9989520	459	0.011137	78	0.000023235	163	1.938302	89	0.000011987	83
61.5	16.3889	11047	78	9061	467	11059	77	23072	163	8213	90	11904	84
62.0	16.6667	10969	78	0.9988594	476	10982	78	22909	163	8123	93	11820	83
62.5	16.9444	10891	76	8118	484	10904	76	22746	158	8030	94	11737	81
63.0	17.2222	10815	76	0.9987634	493	10828	75	22588	159	1.937936	95	11656	82
63.5	17.5000	10739	76	7141	502	10753	76	22429	159	7841	98	11574	81
64.0	17.7778	0.010663	75	0.9986639	510	0.010677	74	0.000022270	156	7743	99	0.000011493	80
64.5	18.0556	10588	73	6129	519	10603	73	22114	153	7644	100	11413	78
65.0	18.3333	10515	73	5610	526	10530	72	21961	152	7544	103	11335	79
65.5	18.6111	10442	73	5084	536	10458	73	21809	153	7441	104	11256	78
66.0	18.8889	10369	71	4548	544	10385	71	21656	148	7337	105	11178	76
66.5	19.1667	10298	70	4004	552	10314	69	21508	146	7232	107	11102	74
67.0	19.4444	0.010228	71	0.9983452	560	0.010245	71	0.000021362	149	1.937125	109	0.000011028	76
67.5	19.7222	10157	70	0.9982892	569	10174	69	21213	146	7016	110	10952	75

tings - Made at Nashua, New Hampshire June 28 to October 22, 1892" with permission of the American Society of Mechanical Engineers.