

## WATER - AT DIFFERENT TEMPERATURES

Temp °F	Absolute Viscosity	Kinematic Viscosity		
	Centipoises	Centistokes	SSU	ft <sup>2</sup> /sec
32	1.79	1.79	33.0	0.00001931
50	1.31	1.31	31.6	0.00001410
60	1.12	1.12	31.2	0.00001217
70	0.98	0.98	30.9	0.00001059
80	0.86	0.86	30.6	0.00000930
85	0.81	0.81	30.4	0.00000869
100	0.68	0.69	30.2	0.00000739
120	0.56	0.57	30.0	0.00000609
140	0.47	0.48	29.7	0.00000514
160	0.40	0.41	29.6	0.00000442
180	0.35	0.36	29.5	0.00000385
212	0.28	0.29	29.3	0.00000319

## VOLATILE SUBSTANCES - SPECIFIC GRAVITY AND VAPOR PRESSURE

Temp °F	Ammonia		Carbon Dioxide		Freon-12		Butane		Propane	
	Vapor psia	Spec grav	Vapor psia	Spec grav	Vapor psia	Spec grav	Vapor psia	Spec grav	Vapor psia	Spec grav
-60	5.6	0.70								
-50	7.7	0.70								
-40	10.4	0.69			9.3	1.51			16.2	0.58
-30	13.9	0.8			12.0	1.50			20.3	0.57
-20	18.3	0.68	220.6	1.03	15.3	1.48			25.4	0.57
-10	23.7	0.67	261.7	1.01	19.2	1.47			31.4	0.56
0	30.4	0.66	308.6	0.99	23.9	1.45	7.3	0.62	38.2	0.55
10	38.5	0.66	361.8	0.97	29.4	1.43	9.2	0.61	46.0	0.55
20	48.2	0.65	422.0	0.95	35.8	1.42	11.6	0.61	55.4	0.54
30	59.7	0.64	489.7	0.92	43.2	1.40	14.4	0.60	66.3	0.53
40	73.3	0.63	565.0	0.89	51.7	1.38	17.7	0.60	78.0	0.52
50	89.2	0.63	650.1	0.85	61.4	1.36	21.6	0.59	91.8	0.52
60	107.6	0.62	744.3	0.81	72.4	1.34	26.3	0.59	107.1	0.51
70	128.8	0.61	848.8	0.76	84.8	1.32	31.6	0.58	124.0	0.50
80	153.0	0.60	964.4	0.68	98.8	1.30	37.6	0.57	142.8	0.49
90	180.6	0.59			114.3	1.28	44.5	0.56	164.0	0.48
100	211.9	0.58			131.6	1.26	52.2	0.56	187.	0.47
110	247.0	0.57			150.7	1.24	60.8	0.55	213.0	0.46
120	286.4	0.56			171.8	1.22	70.8	0.54	240.0	0.45