

IceClear HD

**APPROXIMATE MINIMUM FLOW RATES (GPM)
FOR TURBULANCE (REYNOLD's # OF 2500 MINIMUM)**

GPM 3/4" DR-11 HDPE (ID=0.859")							
Concentration IceClear HD (Vol)	Fluid Temperature (F)						
	15	23	32	40	50	60	70
*20%	-	-	1.78	1.54	1.28	1.12	0.956
*30%	-	-	2.22	1.91	1.56	1.35	1.14
*40%	-	3.41	2.86	2.41	1.95	1.68	1.41
*50%	5.62	4.54	3.64	3.01	2.43	2.07	1.73
75%	12.29	9.28	7.32	5.93	4.58	3.84	3.1
90%	23.27	17.13	12.67	10.08	7.48	6.19	4.83
100%	34.36	24.23	17.47	13.66	10.2	8.27	6.35

GPM 1" DR-11 HDPE (ID=1.076")							
Concentration IceClear HD (Vol)	Fluid Temperature (F)						
	15	23	32	40	50	60	70
*20%	-	-	2.23	1.93	1.6	1.4	1.2
*30%	-	-	2.79	2.39	1.96	1.69	1.43
*40%	-	4.27	3.59	3.04	5.1	2.11	1.76
*50%	7.03	5.69	4.55	3.77	3.05	2.6	2.16
75%	15.38	11.63	9.16	7.43	5.74	4.81	3.89
90%	29.14	21.45	15.87	12.61	9.37	7.75	6.05
100%	43.02	30.34	21.86	17.33	12.77	10.36	7.95

GPM 1 1/4" DR-11 HDPE (ID=1.358")							
Concentration IceClear HD (Vol)	Fluid Temperature (F)						
	15F	23F	32	40	50	60	70
*20%	-	-	2.84	2.46	2.03	1.77	1.51
*30%	-	-	3.5	2.96	2.45	2.1	1.79
*40%	-	5.39	4.52	3.83	3.64	2.62	2.22
*50%	9.86	7.17	5.75	4.76	4.77	3.28	2.69
75%	19.05	14.58	11.28	11.41	7.1	6.05	4.8
90%	35.44	26.07	18.93	15.51	11.92	9.42	5.19
100%	53.32	38.30	27.62	21.76	16.04	13	10.07

GPM 1 1/2" DR-11 HDPE (ID=1.555")							
Concentration	Fluid Temperature (F)						
IceClear HD (Vol)	15	23	32	40	50	60	70
*20%	-	-	3.22	2.79	2.32	2.02	1.73
*30%	-	-	4.03	3.46	2.82	2.45	2.07
*40%	-	6.18	5.18	4.38	3.54	3.04	2.55
*50%	10.17	8.22	6.58	5.45	4.4	3.75	3.12
75%	22.22	16.8	13.24	10.75	8.29	6.95	5.61
90%	42.12	31	22.71	18.29	13.54	11.19	8.73
100%	62.21	43.85	31.59	25.45	18.46	14.98	11.49

GPM 2" DR-11 HDPE (ID=1.943")							
Concentration	Fluid Temperature (F)						
IceClear HD (Vol)	15	23	32	40	50	60	70
*20%	-	-	4.02	3.49	2.9	2.53	2.17
*30%	-	-	5.03	4.32	3.53	3.06	2.58
*40%	-	7.72	6.48	5.48	4.42	3.8	3.18
*50%	12.7	10.27	8.22	6.81	5.5	4.7	3.9
75%	27.76	21	16.54	13.42	10.36	8.68	7.02
90%	52.63	38.73	28.66	22.77	16.92	13.99	10.92
100%	77.72	54.79	39.47	31.28	23.06	18.72	14.35

* May be subject to bacterial contamination. Addition of non-oxidizing biocide recommended.

- Concentration not recommended due to insufficient freeze protection

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