GLYCOL CORRECTION FACTORS

Propylene Glycol

Leaving Temperature Degrees F	30%		40%		50%	
	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor
20	-	-	0.80	1.74	0.74	2.07
30	0.92	1.39	0.87	1.63	0.82	1.94
40	0.93	1.36	0.89	1.55	0.85	1.83
45	0.94	1.35	0.90	1.53	0.87	1.81
50	0.94	1.33	0.91	1.51	0.88	1.75
55	0.95	1.31	0.92	1.50	0.89	1.73
60	0.95	1.31	0.92	1.47	0.90	1.68
70	0.96	1.27	0.93	1.43	0.91	1.63
Minimum leaving fluid temperature	25°F		10°F		-10°F	
Minimum ambient	10°F		-4°F		-20°F	

Ethylene Glycol

Leaving Temperature Degrees F	30%		40%		50%	
	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor	Capacity Factor	Pressure Drop Factor
20	0.92	1.39	0.89	1.61	0.86	1.86
30	0.96	1.34	0.93	1.53	0.90	1.78
40	0.96	1.33	0.94	1.52	0.92	1.74
45	0.96	1.33	0.94	1.51	0.93	1.72
50	0.96	1.31	0.95	1.49	0.93	1.69
55	0.96	1.31	0.95	1.47	0.94	1.67
60	0.97	1.31	0.96	1.47	0.94	1.65
70	0.97	1.27	0.96	1.49	0.95	1.62
Minimum leaving fluid temperature	20°F		5°F		-15°F	
Minimum ambients	5°F		-9°F		-28°F	

Example: Pressure drop through the device is 5' with water at 50F.
Using a 50% propylene glycol solution.
From chart above, correction factor is 1.75.
Multiply 5' x 1.75= 8.75' corrected pressure drop for 50%PG

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