

Costs of Chiller Fouling: Energy Loss Factors

Fouling Factors	Inche	es of Scale	Energy Loss Factor
0.0005	0	.0006"	5.3% (0.53)
0.001	(0.012"	10.8% (.108)
0.002	(0.024"	21.5% (.215)
0.003		0.036	32.2% (.322)
0.004 0		0.048	43.0% (.430)
	1.0 B10/(nr)/(sq.it.) degree F. (per C	amer)
CON	NDENSE	R FOULIN	G COSTS
Fouling Factor ►	Light	Moderate	Heavy
Fouling Factor	Light 0.0001	Moderate 0.0002	Heavy 0.0003
Fouling Factor ► Inches ►	Light 0.0001 1/84 th	Moderate 0.0002 1/42 nd	Heavy 0.0003 1/32 nd
Fouling Factor ► Inches ► System Tons	Light 0.0001 1/84 th \$	Moderate 0.0002 1/42 nd \$ (\$ 2.070	Heavy 0.0003 1/32 nd \$
Fouling Factor ► Inches ► System Tons 100	Light 0.0001 1/84 th \$ \$ 950	Moderate 0.0002 1/42 nd \$ \$ \$ \$ \$ \$ \$ \$ \$ 10.0002	Heavy 0.0003 1/32 nd \$ \$ 2,910
Fouling Factor ► Inches ► System Tons 100 500	Light 0.0001 1/84 th \$ \$ 950 4,760	Moderate 0.0002 1/42 nd \$ \$ \$ 10,360	Heavy 0.0003 1/32 nd \$ \$ 2,910 14,560
Fouling Factor ► Inches ► System Tons 100 500 1000	Light 0.0001 1/84 th \$ \$ 950 4,760 9,520	Moderate 0.0002 1/42 nd \$ \$ 2,070 10,360 20,720	Heavy 0.0003 1/32 nd \$ \$ 2,910 14,560 29,120
Fouling Factor ► Inches ► System Tons 100 500 1000 2500	Light 0.0001 1/84 th \$ \$ 950 4,760 9,520 23,800	Moderate 0.0002 1/42 nd \$ \$ 2,070 10,360 20,720 51,800	Heavy 0.0003 1/32 nd \$ \$ 2,910 14,560 29,120 72,800
Fouling Factor ► Inches ► System Tons 100 500 1000 2500 5000	Light 0.0001 1/84 th \$ 950 4,760 9,520 23,800 47,600	Moderate 0.0002 1/42 nd \$ 2,070 10,360 20,720 51,800 103,600	Heavy 0.0003 1/32 nd \$ \$ 2,910 14,560 29,120 72,800 145,600

Notice

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