

AMTROL Commercial BoilerMate

Coin Operated Laundry Sizing

Evaluation and Sizing Form

Coin Operated Laundry

• Sizing Information

Machine Type/Model	Quantity	Gallons Per Cycle	Cycle Per Hour*	Gallons Per Hour
	X		X	=
	X		X	=
	X		X	=
	X		X	=
	X		X	=
Total # Machines	Total Gals Per Cycle	Total GPH Load**		
		Corrected Total		

* If Cycle Per Hour Date is not available, use 1.5.

** Calculation based on a 40°F inlet water temperature.

Use the correction factors on the right for other inlet water temperatures:

Inlet Water Temperature	Multiply Total GPH Load by:
50° F	0.90
60° F	0.80
70° F	0.70

• Determining Storage Volume Sizing Commercial BoilerMate for Coin Operated Laundry

Diversification Table

The number of machines drawing water at any one time varies widely. From the table below, determine the applicable diversification factor to use for this application.

Total No. Machines	Factor (D.F.)
1-12	100%
13-24	80%
25-36	60%
37-48	50%

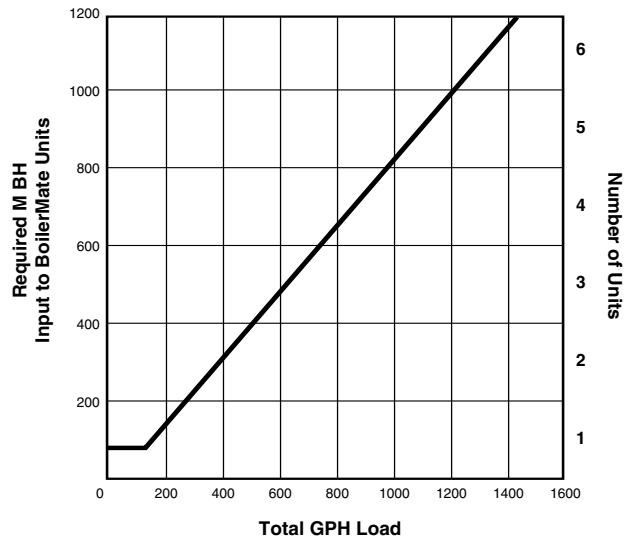
Calculation: Total Storage Required
Total gals/cycle x D.F.

Selection of Models

Calculation: Total Storage ÷ Number of Units = Storage Tank Gallon

Storage Tank Gallon	BoilerMate Models
0-41	WH-7C's
42-60	WH-60C's
61-80	WH-80C's
81-120	WH-120C's
120+	

Figure 1. For Required MBTU/hr



Sizing based on recovery from 50° to 150° F plus storage.

_____	BTU/hr
_____	Number of Tanks
_____	Model Number



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