

SOFTENER SIZING**FOR: CTCI Water Softeners**

Hardness	48	mg/L as CaCO ₃		
	2.8	grains per gallon		
Heating				
Boiler Rating-	0	HP		
Flow Rate-	0.0	gpm		
Operation-	24	hr per day		
Makeup =(1-Condensate Return) (1)	100	percent		
Heating Water Required	0	gallons per day		
Hardness Removal Required (One Day)	0	Kilograins per day		
Steam				
Production-	0	lb per hour		
Heating Water Required	0	gallons per day		
	0	gpm		
Hardness Removal Required (One Day)	0	Kilograins per day		
Process Water				
Flow Rate	8.4	gpm		
Flow Duration	24	hr per day		
Process Water Usage	12096	gpd		
Hardness Removal Required (One Day)	34	Kilograins per day		
Sizing Criteria				
Flow	8	gpm		
Hardness Removal Required (One Day)	34	Kilograins per day		
Model	MF FG	240	1 1/2"	
Configuration	SM	Simplex Metered		
Flow Per Vessel (required / selected) Continuous	8.4	56	gpm	OK
Peak	8.4	74	gpm	OK
Capacity Per Vessel per day (required / selected)	34	245	kilograins	OK
Demand setting (volume between regenerations)		87500	gallons	
Time between regenerations		174	hrs	