

MICROCLOR[®]

On-Site Hypochlorite Generation

Model		MC-400	MC-500	MC-600	MC-800	MC-1000
Capacity Free Available Chlorine (FAC)	lbs per day	400	500	600	800	1,000
	kgs per day	180	225	270	360	450
Hypochlorite Produced	gal per day	6,000	7,500	9,000	12,000	15,000
	liters per day	22,710	28,390	34,070	45,425	56,780
Chlorine Concentration	w/w%	0.80 ± 0.05				
Control Panel Service (120/208-240/1/60)						
	amps	30	30	30	30	30
Rectifier Service (460/3/60)						
	amps	80	100	125	175	200
Rectifier DC Power Rating						
	KVA	48	60	72	96	120
<i>NOTE: Configurations available for alternate electrical power supplies.</i>						
Cell Quantity		5	5	5	5	5
Skid Materials of Construction		304 Stainless Steel, Electropolished				
Electrical Control Panel		Allen-Bradley MicroLogix 1400 PLC, Ethernet Communications, 304 Stainless Steel, NEMA 4X				
Operator Interface		8" (20 cm) Color Touchscreen HMI		10" (25 cm) Color Touchscreen HMI		
<i>NOTE: Control systems using alternate PLC platforms available.</i>						
Salt Consumption	lbs per lb FAC	2.5 – 3.5				
	kgs per kg FAC	2.5 – 3.5				
Power Consumption	kWh (AC) per lb FAC	1.8 – 2.4				
	kWh (AC) per kg FAC	4.0 – 5.3				
Water Consumption	gal per lb FAC	14.0 – 17.0				
	liters per kg FAC	117 - 142				
Ambient Air Temperature Rating¹	°F	35 – 90				
	°C	2 – 32				
Feed Water Temperature Rating²	°F	55 – 78				
	°C	13 – 26				
Feed Water Pressure Rating	psi	50 – 80				
	kPa	345 – 552				
Skid Dimensions (W x D x H)	in	92 x 38 x 76	92 x 38 x 76	92 x 38 x 76	92 x 40 x 76	92 x 50 x 76
	cm	234 x 97 x 193	234 x 97 x 193	234 x 97 x 193	234 x 102 x 193	234 x 127 x 193
Transformer/Rectifier Dimensions (W x D x H)	in	24 x 20 x 30	30 x 22 x 37	30 x 22 x 37	32 x 47 x 58	32 x 47 x 58
	cm	61 x 51 x 76	76 x 56 x 94	76 x 56 x 94	119 x 89 x 132	119 x 89 x 132

¹Thermal management available for environments above 90 °F (32 °C).

²Heat exchangers and chillers available for feed water outside the temperature range shown.

System Approvals



Electrical Control Panel Approvals



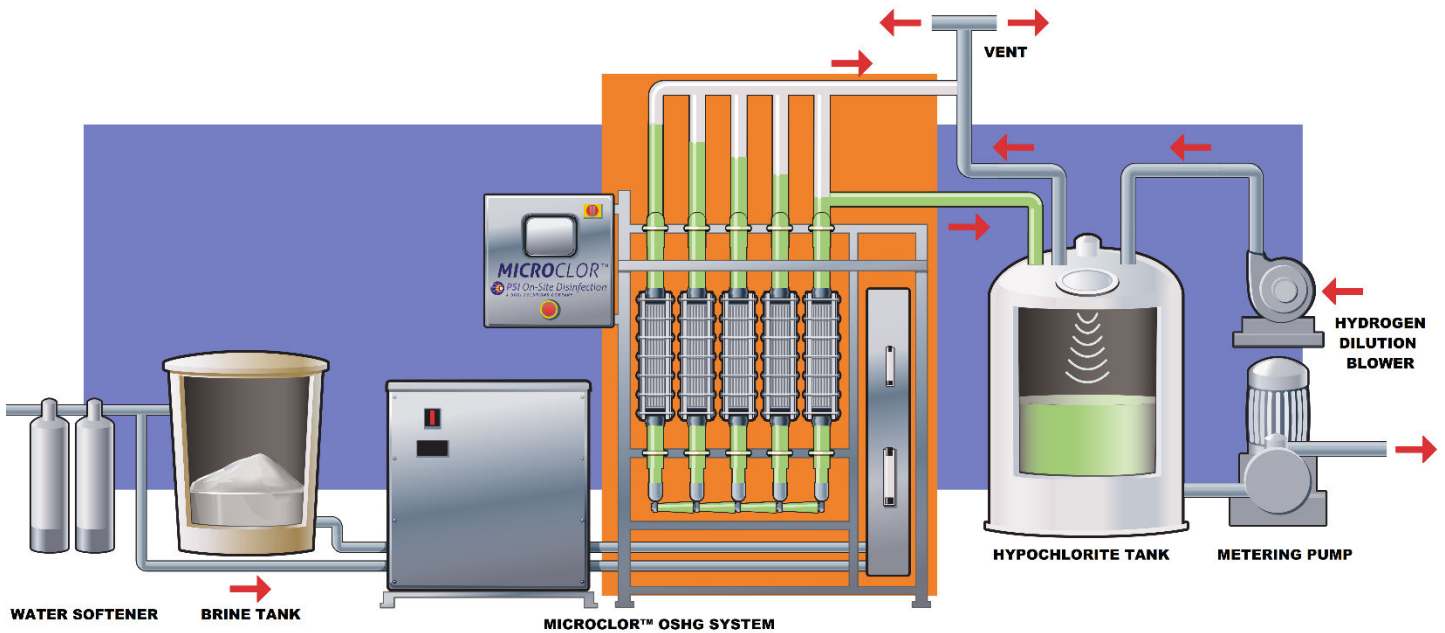
Transformer/Rectifier Approvals



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Microclor[®] Process Flow Diagram



Microclor[®] MC-1000

Features:

- Brine/salt tank(s), water softeners, solution tank(s), dosing pumps, and other ancillary equipment are available in various sizes to satisfy project requirements.
- System configurations available using alternate power supplies (380 VAC, 600 VAC, 50 Hz, etc.).
- Complete supply of equipment scope, system start up and installation inspection.
- Three-year warranty available.
- UL-, CE-, and CSA-Certified electrical control panel.