

# MICROCLOR<sup>®</sup>

## On-Site Hypochlorite Generation

Model		MC-1200	MC-1600	MC-2000	MC-2400
Capacity Free Available Chlorine (FAC)	lbs per day	1,200	1,600	2,000	2,400
	kgs per day	545	725	910	1,090
Hypochlorite Produced	gal per day	18,000	24,000	30,000	36,000
	liters per day	68,140	90,850	113,560	136,275
Chlorine Concentration	w/w%	0.80 ± 0.05			
Control Panel Service (120/208-240/1/60)	amps	30	30	30	30
Rectifier Service (460/3/60)	amps	250	300	400	500
Rectifier DC Power Rating	KVA	144	192	240	288
<i>NOTE: Configurations available for alternate electrical power supplies.</i>					
Cell Quantity		5	10	10	10
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		12" (30 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 Rating <sup>1</sup>	°F	35 – 90			
	°C	2 – 32			
Feed Water Temperature Rating <sup>2</sup>	°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 50 x 76	92 x 60 x 76	94 x 64 x 76	94 x 64 x 76
	cm	234 x 127 x 193	234 x 152 x 193	239 x 163 x 193	239 x 163 x 193
Transformer/Rectifier Dimensions (W x D x H)	in	32 x 47 x 58	58 x 44 x 58	58 x 44 x 58	58 x 44 x 58
	cm	119 x 81 x 145	135 x 81 x 135	165 x 91 x 122	165 x 91 x 122

<sup>1</sup>Thermal management available for environments above 90 °F (32 °C).

<sup>2</sup>Heat exchangers and chillers available for feed water outside the temperature range shown.

### System Approvals



### Electrical Control Panel Approvals

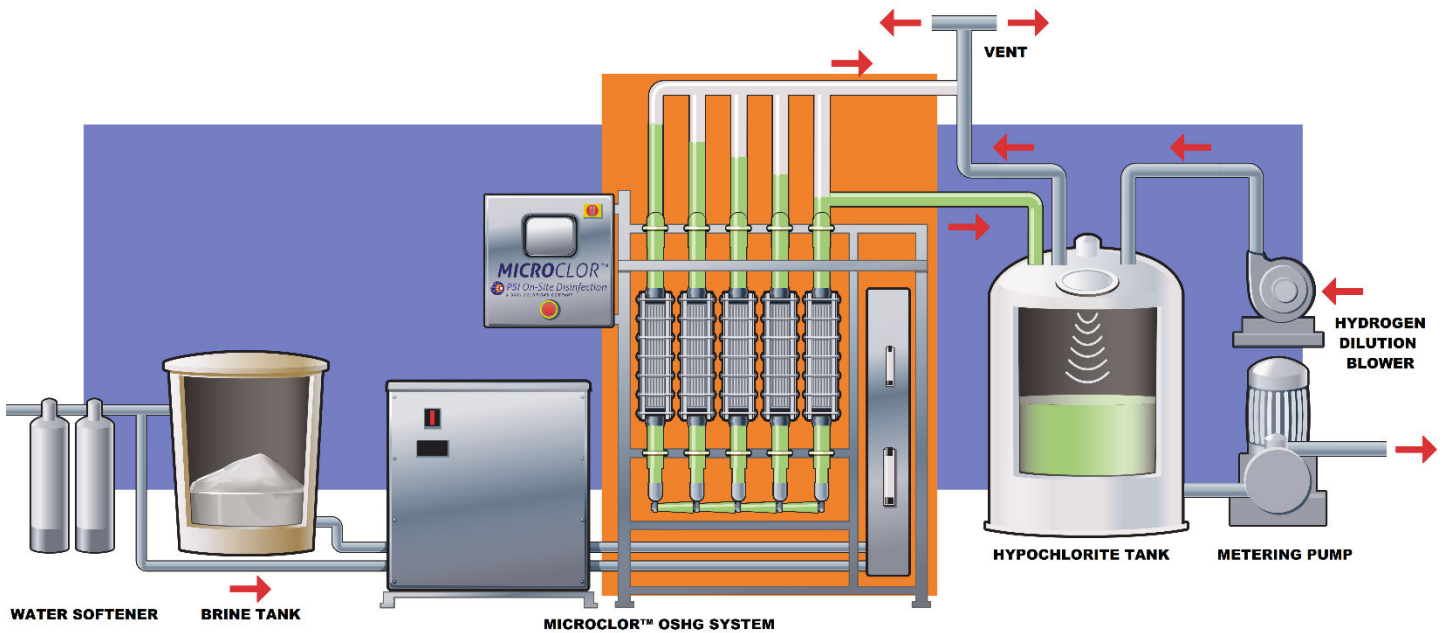
### Transformer/Rectifier Approvals



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### Microclor<sup>®</sup> Process Flow Diagram



Microclor<sup>®</sup> MC-2000 System

#### 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.