

MICROCLOR®

On-Site Hypochlorite Generation

Model		MC-100	MC-200	MC-300
Capacity Free Available Chlorine (FAC)	lbs per day	100	200	300
	kgs per day	45	90	135
Hypochlorite Produced	gal per day	1,500	3,000	4,500
	liters per day	5,680	11,355	17,035
Chlorine Concentration	w/w%	0.80 ± 0.05		
Electrical Requirements				
Control Panel Service (120/208-240/1/60)	amps	30	30	30
Rectifier Service (460/3/60)	amps	25	50	70
Rectifier DC Power Rating	KVA	12	24	36
<i>NOTE: Configurations available for alternate electrical power supplies.</i>				
Control and Interface				
Cell Quantity		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		6" (15 cm) Color Touchscreen HMI		
<i>NOTE: Control systems using alternate PLC platforms available.</i>				
Operational Performance				
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		
Environmental and Feed Conditions				
Ambient Air Temperature Rating ¹	°F	35 – 90		
	°C	2 – 32		
Feed Water Temperature Rating ²	°F	55 – 78		
	°C	13 – 26		
Feed Water Pressure Rating	psi	50 – 80		
	kPa	345 – 552		
Skid Dimensions (W x D x H)	in	74 x 20 x 76	74 x 20 x 76	74 x 20 x 76
	cm	187 x 51 x 193	187 x 51 x 193	187 x 51 x 193

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

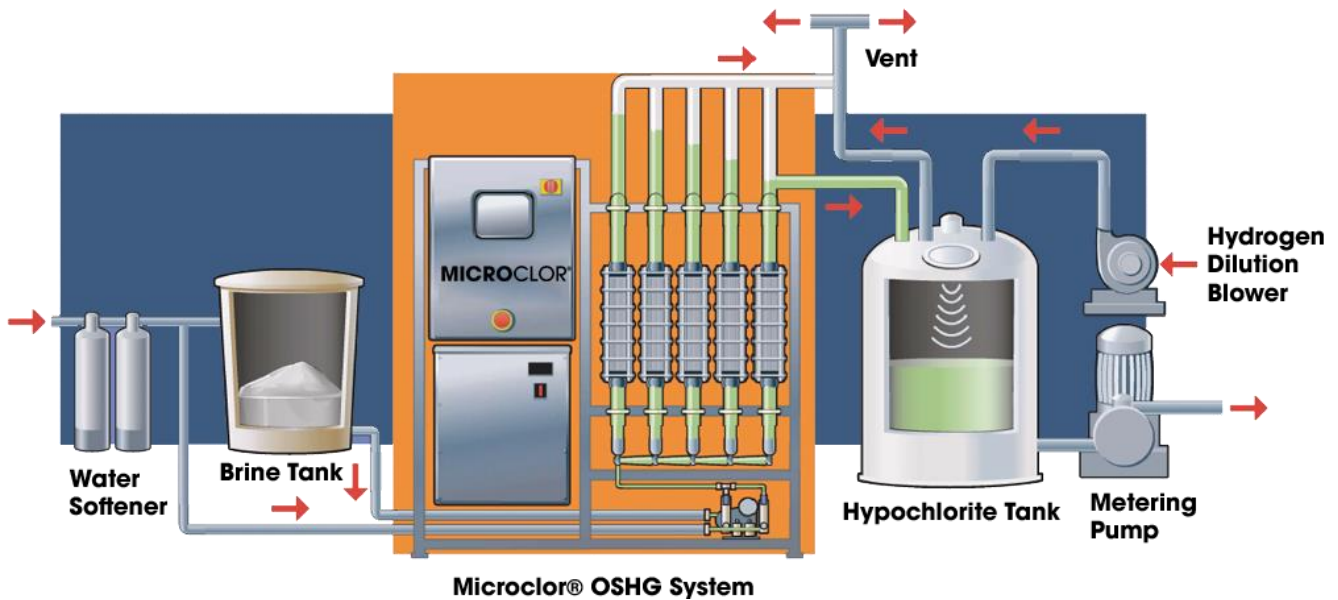
Electrical Control Panel Approval

Transformer/Rectifier Approvals



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Microclor® Process Flow Diagram





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.



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