



Vault™ Self Cleaning MIXED OXIDANT Specifications

The MIOX Vault on-site generator is designed for high efficiency, low lifecycle cost, durability and reliability. The self-cleaning Vault with self-adjusting flow control is virtually maintenance free. With over 40% improved salt and energy efficiencies and a new self-cleaning system, the Vault is built for cost-effective, problem-free operation. The Vault features an easy-to-upgrade cell to convert between sodium hypochlorite (HYPO) and advanced Mixed Oxidant Solution (MOS) with expandable capacity for ultimate flexibility. Using just salt and power to generate a dilute chlorine-based solution eliminates the storage and handling of hazardous disinfection chemicals while providing chlorine residual.

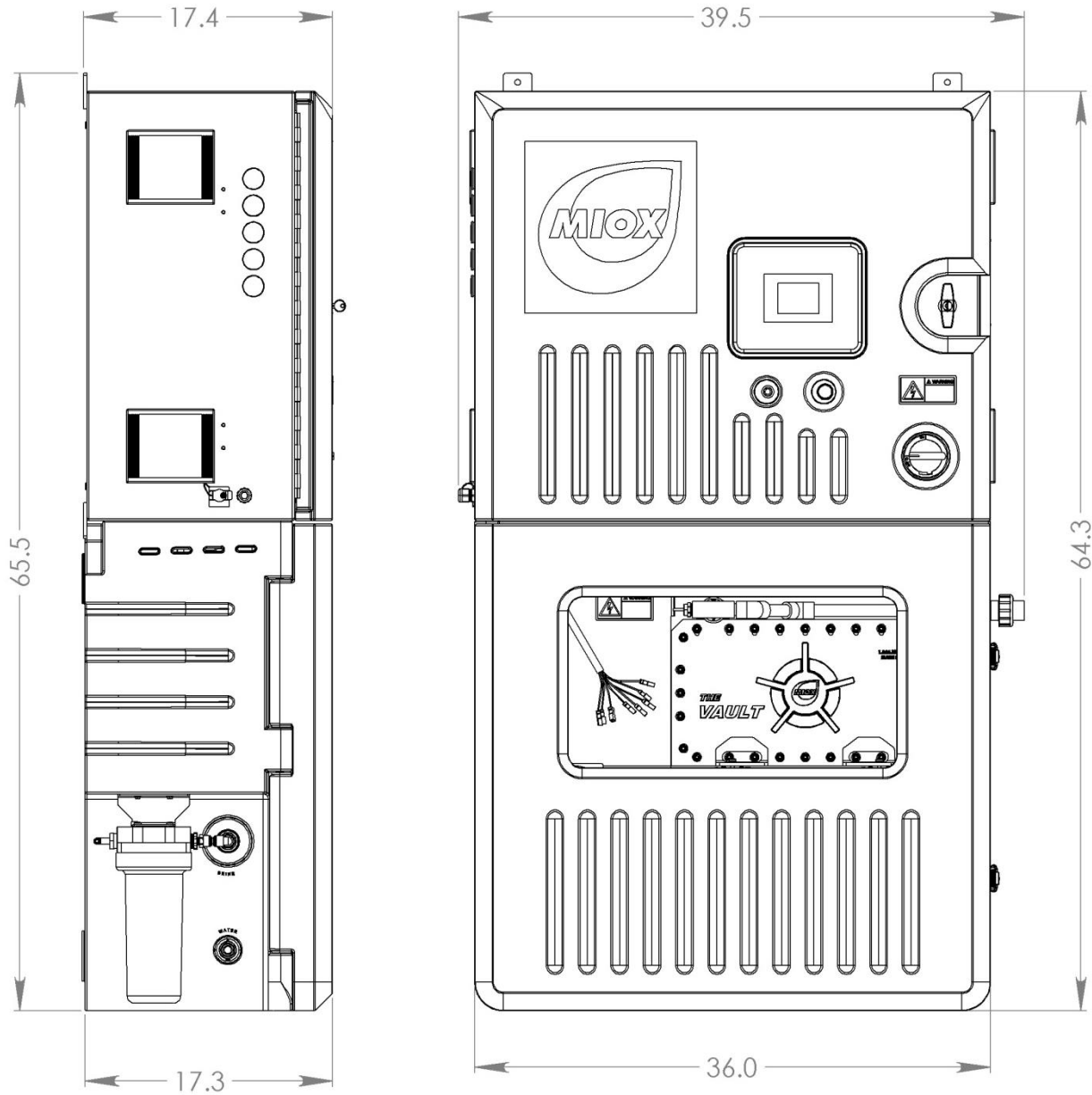
	M Vault 15	M Vault 30	M Vault 45	M Vault 60
Rated FAC Capacity	15 lbs/day 6.8 kg/day	30 lbs/day 13.6 kg/day	45 lbs/day 20.4 kg/day	60 lbs/day 27.2 kg/day
Water Treatment Capacity (at 1 ppm FAC)	1.8 MGD 6,813 m ³ /day	3.6 MGD 13,626 m ³ /day	5.4 MGD 20,439 m ³ /day	7.2 MGD 27,252 m ³ /day
Salt Conversion (SCE)*	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC			
Energy Conversion (ECE)*	3.0 kW-hr/lb FAC 6.6 kW-hr/kg FAC			
FAC Concentration*	4,500 mg/L (+/- 1,000)			
Flow Rate	19 gph (+/- 15%) 72 lph (+/- 15%)	38 gph (+/- 15%) 144 lph (+/- 15%)	57 gph (+/- 15%) 216 lph (+/- 15%)	76 gph (+/- 15%) 288 lph (+/- 15%)
Nominal Energy to Unit	13 A 3 KVA	26 A 6 KVA	39 A 9 KVA	52 A 12 KVA
Electrical Service Requirement (OSG only)	200-240 VAC, 1 ph, 30A, 50/60 hertz	200-240 VAC, 1 ph, 60A, 50/60 hertz	200-240 VAC, 1 ph, 90A, 50/60 hertz	200-240 VAC, 1 ph, 120A, 50/60 hertz
Air Temp. Required	45° to 110° F 7.2° to 43.3° C			
Recommended Feed Water Temperature*	50° to 80° F 10° to 26.7° C			
Allowable Feed Water Temperature*	40° to 95° F 5° to 35° C			
Feed Water Pressure	25 to 100 psi 172 to 689 kPa			
Energy Add for Internal Vent	0.7 kW	1.4 kW	2.1 kW	2.8 kW
Approximate Dimensions (WxDxH)	36 x 17.4 x 65.5 inches 91.44 x 44.2 x 166.37 cm			
Self Cleaning	YES			

*Performance may vary depending on salt quality, water quality, and water temperature.

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Vault Drawing



REFERENCE GENERAL ARRANGEMENT DRAWING 112-00001
FOR INSTALLATION REQUIREMENTS

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