



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 and advanced mixed oxidant with expandable capacity for the 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
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 72 lph	38 gph 144 lph	57 gph 216 lph	76 gph 288 lph
Nominal Energy to Unit @ 480V	3.5 A 3 KVA	7 A 6 KVA	10.5 A 9 KVA	14 A 12 KVA
Electrical Service Requirement (OSG only)+	3-Ph(-) Wye 380-530 VAC 50/60 Hz, 15A	3-Ph(-) Wye 380-530 VAC 50/60 Hz, 25A	3-Ph(-) Wye 380-530 VAC 50/60 Hz, 35A	
Air Temp. Required	45° to 110° F 7° to 43° C			
Recommended Feed Water Temperature*	55° to 80° F 12° to 27° C			
Allowable Feed Water Temperature*	40° to 95° F 5° to 35° C			
Feed Water Pressure	25 to 100 psi 172 to 689 kPa			
Water Hardness	0 – 17 mg/L (1 grain/gallon)			
Maximum Silica Limit	20 mg/L			
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.

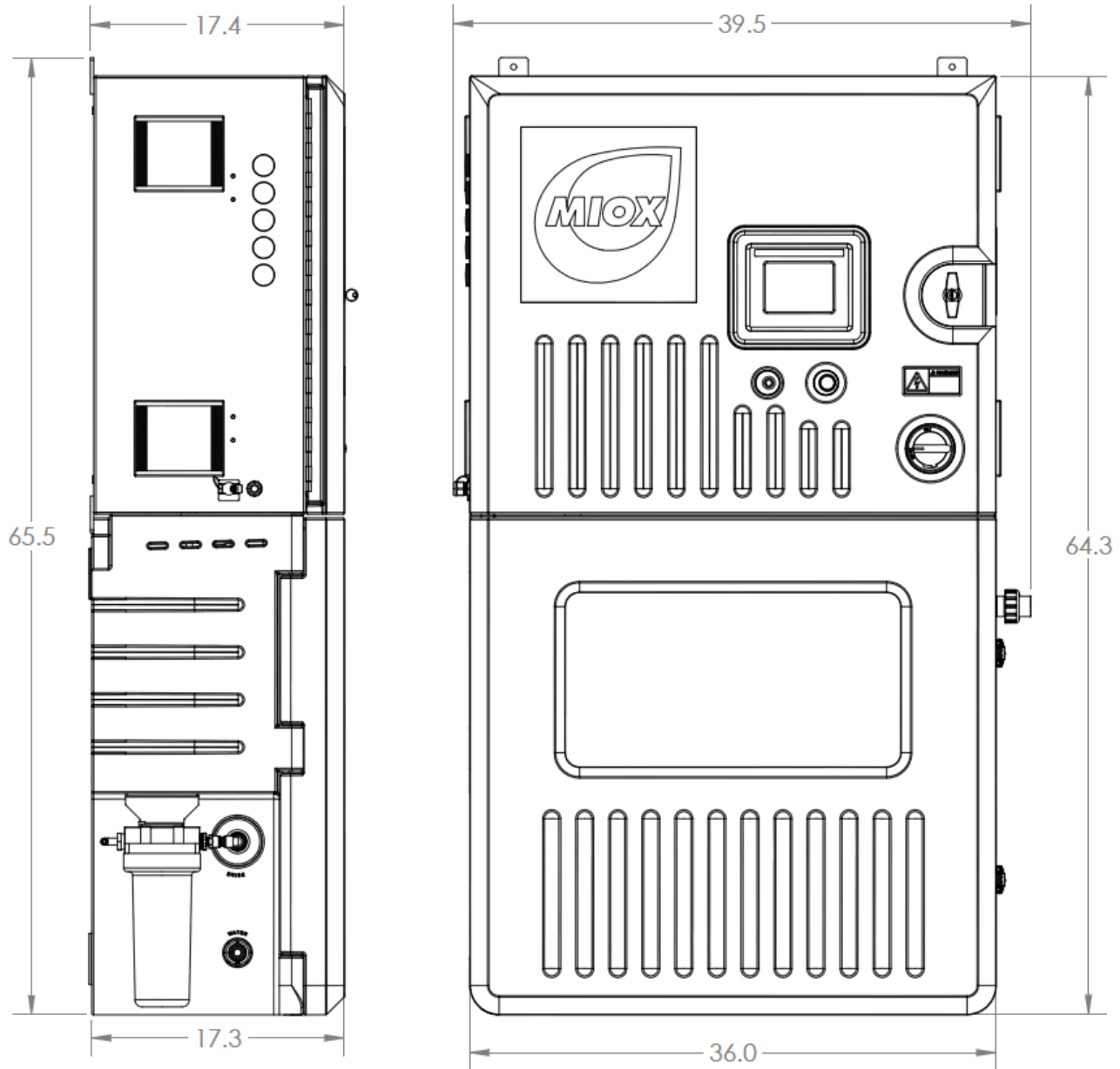
^Feed water flow rate is subject to +/- 15% variation.

+For 3-Phase Delta applications, contact MIOX.

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Vault Drawing



REFERENCE GENERAL ARRANGEMENT DRAWING 112-00001
FOR INSTALLATION REQUIREMENTS

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