



## Vault™ Standard HYPO Specifications

The MIOX Vault on-site generator is designed for high efficiency, low lifecycle cost, durability and reliability. The Vault standard sodium hypochlorite configuration features self-adjusting flow control and an easy-to-upgrade cell to convert between sodium hypochlorite (HYPO) and advanced Mixed Oxidant Solution (MOS). Expandable capacity offers ultimate flexibility. With over 40% improved salt and energy efficiencies, the Vault is built for cost-effective operation. 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.

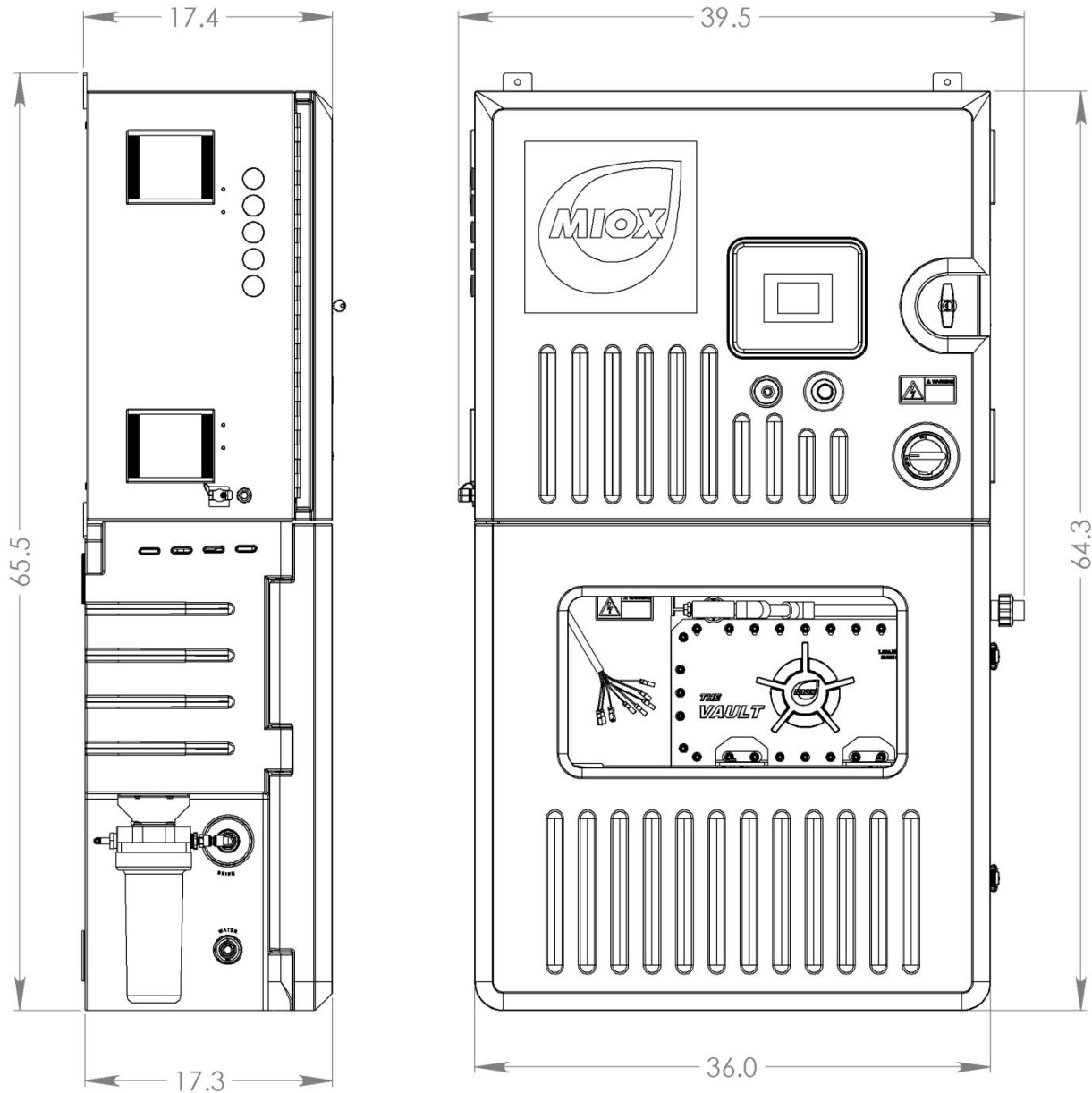
	H Vault 25	H Vault 50	H Vault 75	H Vault 100
Rated FAC Capacity	25 lbs/day 11.3 kg/day	50 lbs/day 22.7 kg/day	75 lbs/day 34 kg/day	100 lbs/day 45.4 kg/day
Water Treatment Capacity (at 1 ppm FAC)	3.0 MGD 11,355 m <sup>3</sup> /day	6.0 MGD 22,710 m <sup>3</sup> /day	9.0 MGD 34,065 m <sup>3</sup> /day	12.0 MGD 45,420 m <sup>3</sup> /day
Salt Conversion (SCE)*	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC			
Energy Conversion (ECE)*	2.0 kW-hr/lb FAC 4.4 kW-hr/kg FAC			
FAC Concentration*	8,000 mg/L (+/- 1,000)			
Flow Rate	21 gph (+/- 15%) 79.5 lph (+/- 15%)	42 gph (+/- 15%) 159 lph (+/- 15%)	63 gph (+/- 15%) 238.5 lph (+/- 15%)	84 gph (+/- 15%) 318 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	NO			

\*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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