

HPNow

Peroxide UltraPure™ Generators

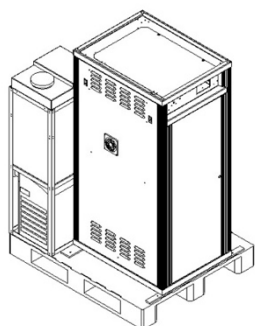
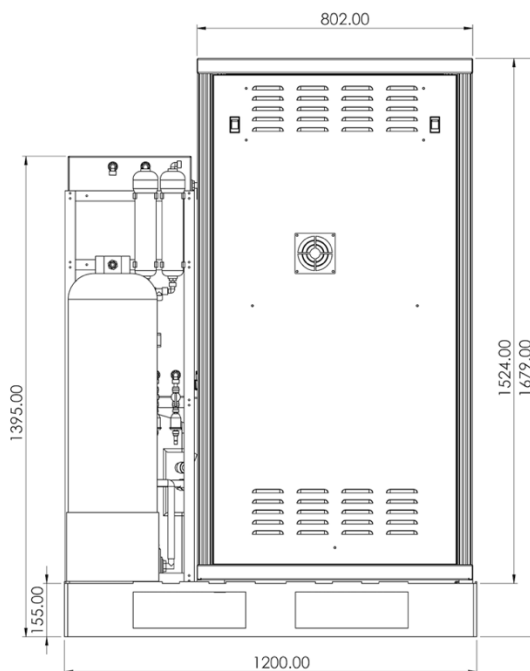
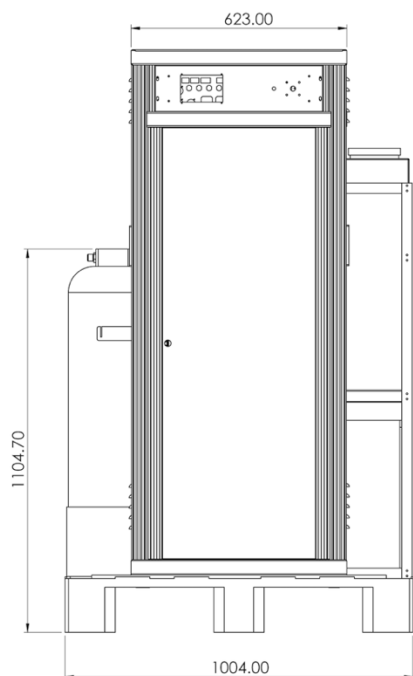
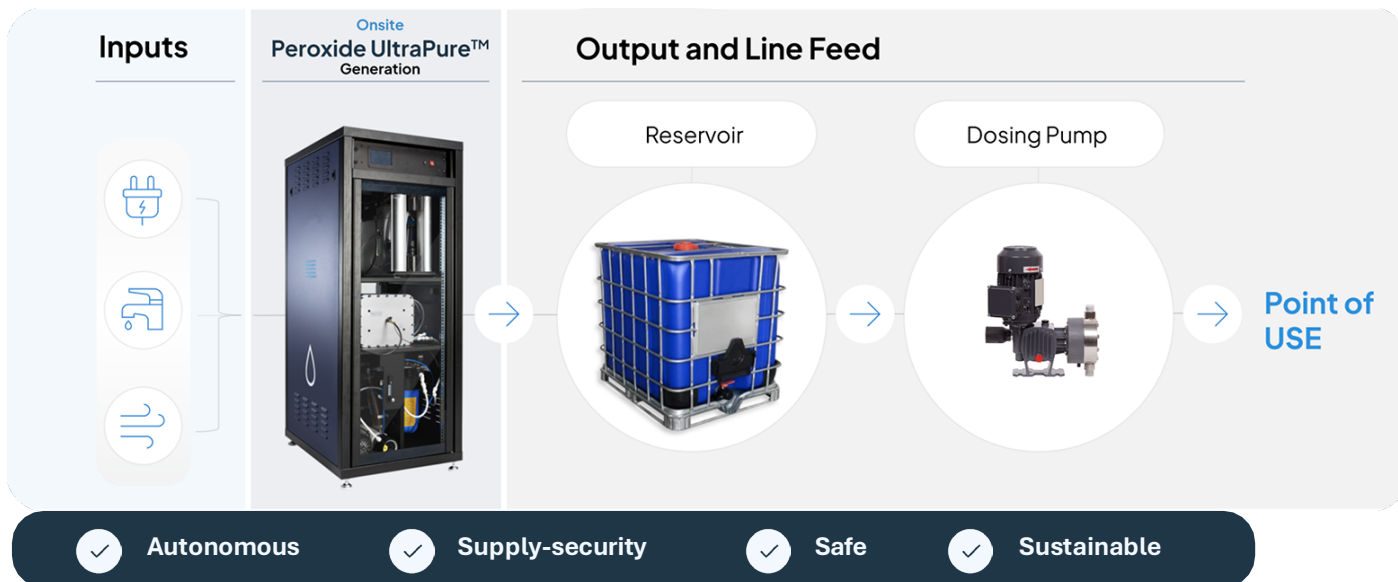


Safe, Sustainable
and Chemicals-Free
Water Treatment Technology

Benefits

- **Onsite** Peroxide UltraPure™ generation contributes to supply chain security
- **Chemical-input free** - Only water, electricity and air as inputs
- **99.999 % purity** Hydrogen Peroxide, zero additives
- **Safe** - Handling & storage of hazardous chemicals eliminated
- **Cost effective** – no ongoing chemical purchases
- **Sustainable** – Peroxide UltraPure™ breaks down to pure water and oxygen. Offsets up to 3 Ton CO₂ eq / Ton Peroxide.

Parameter	Model S	Model A
Maximum daily production (L)	100	300
Power		
Power consumption [kW]	0.7	1.2
Minimum circuit breaker Note: The circuit breaker should solely be used for the HPNow system	>16A, able to handle continuous operation at the above power	
Power inlet	Single phase 220V/50Hz or 240V/60Hz	
Water		
Water consumption [m ³ /day]	Municipal grid drinking water / Reverse Osmosis	
	1.5 / 0.3	0.5 / 0.1
Feed water pressure [bar]	0-4	
Input water temperature [°C]	10 – 25	
Water connections on back	3/8" quick connect for water feed and 1/2" quick connect for peroxide output	
Compressed air		
Compressed air minimum Free Air Delivery (FAD) [continuous, LPM]	120	350
Compressed air pressure [bar]	6 – 8	
Dew point [°C]	<3	
Maximum temperature [°C]	25	
Air free of oil and particulates		
Dimensions	Model S	Model A
Length x Width x Height [mm]	1200 x 1004 x 1679	
Weight [kg]	320	320
IP rating (cabinet)	IP54	IP54
Environmental	Model S	Model A
Environment	Indoors	
Ambient temperature [°C]	3-35	
Humidity [RH%]	0 – 70	
Electrodes	Model S	Model A
Core technology	Proprietary HPNow catalyzed membrane technology. Liquid-electrolyte free.	



A free space of at least 90 cm in the front, and 60 cm around the unit in other directions is recommended to facilitate maintenance procedures.

Input Water Parameters – Recommended	
Conductivity [$\mu\text{S}/\text{cm}$]	800
Turbidity [NTU]	1
SDI (15 min) [mg/L]	0.05
Hardness [$^{\circ}\text{dH}$]	8 (water softener recommended with harder water)
Anions	
Nitrates (NO_3^-) [mg/L]	10
Chloride (Cl^-) [mg/L]	100
Fluoride (F^-) [mg/L]	1
Sulfate (SO_4^{2-}) [mg/L]	80
Bicarbonate (HCO_3^-) [mg/L]	350
Cations	
Calcium (Ca) [mg/L]	80
Sodium (Na) [mg/L]	50
Magnesium (Mg) [mg/L]	25
Iron (Fe), Copper (Cu), Manganese Mn [mg/L]	1
Others	
Hydrogen sulfide (H_2S) [mg/L]	0.5



GOgen® (HPNow Peroxide UltraPure™ generator) is determined by the U.S. EPA as a pesticide device which does not require registration under FIFRA.

GOgen® (HPNow Peroxide UltraPure™ generator) is not intended for biocidal applications in the EU under the EU Biocidal Products Regulation.