

# MaximOs™

## On-site water disinfection technology

- Easy to install, operate and maintain
- Lower lifecycle cost
- Small footprint, adaptable and expandable
- Proven safety record
- Advanced chemistry

# Disinfect the safe, easy and economic way

MaximOS™ uses a patented and award-winning on-site water disinfection technology that safely and economically generates sodium hypochlorite using just salt, water and power, replacing the need to purchase, transport and store dangerous chemicals. On-site generation cuts back transportation requirements by up to 80%, reduces carbon emissions and fuel consumption, and eliminates the storage and disposal of chemical containers.

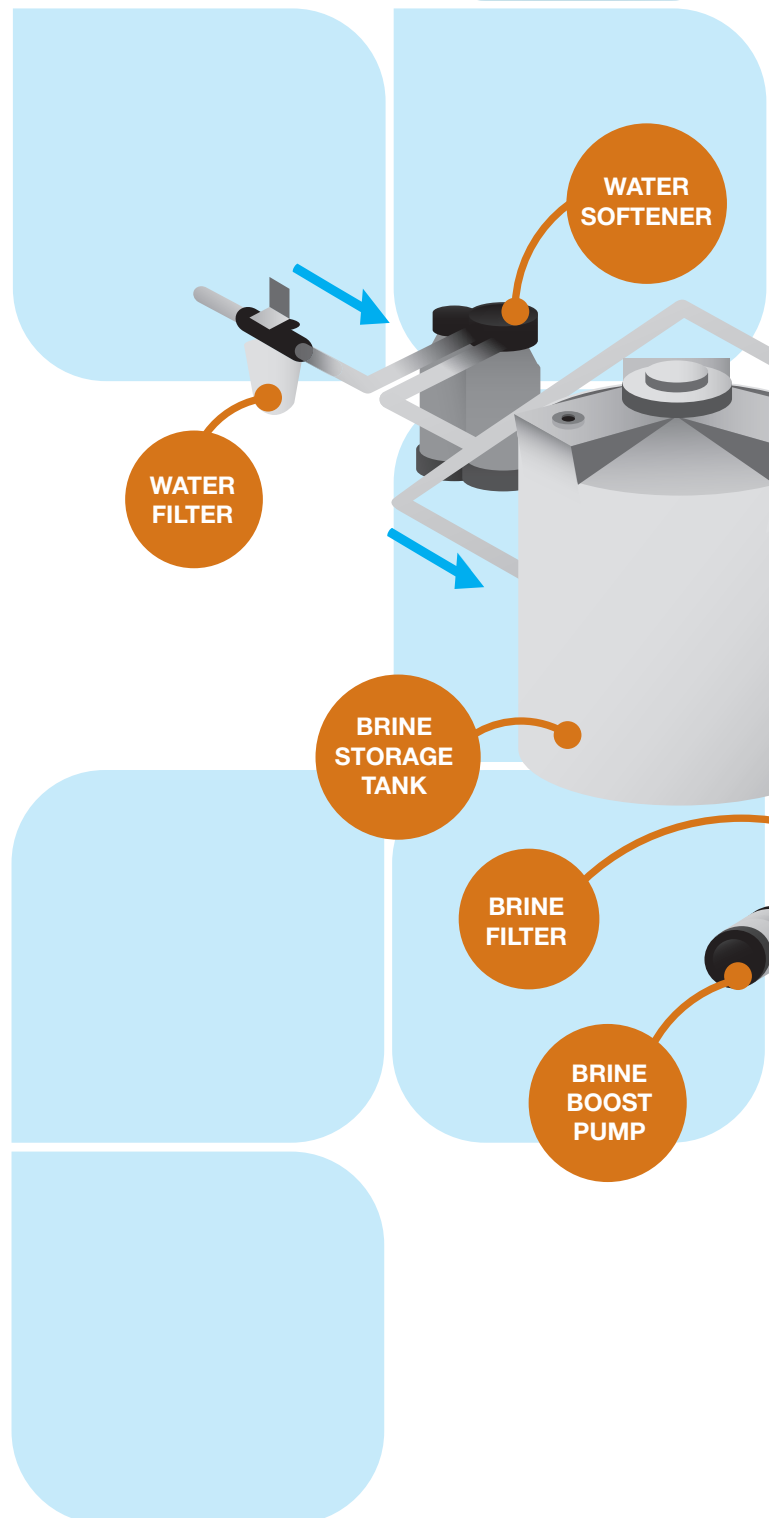
MaximOS™ is used in more than 1,500 installations in hundreds of U.S. communities and over 30 countries, safely disinfecting more than 6.5 billion gallons of water per day. Parkson is committed to providing millions of customers with the safest water in the world.

With demonstrable cost-effectiveness and an environmentally friendly process, MaximOS™ is the safest investment you can make for your water treatment needs.

MaximOS™ comes in different capacities with unique features like a self-cleaning electrolytic cell, self-adjusting flow control, remote monitoring, and gives the customer the flexibility to upgrade to the superior mixed oxidant chemistry.



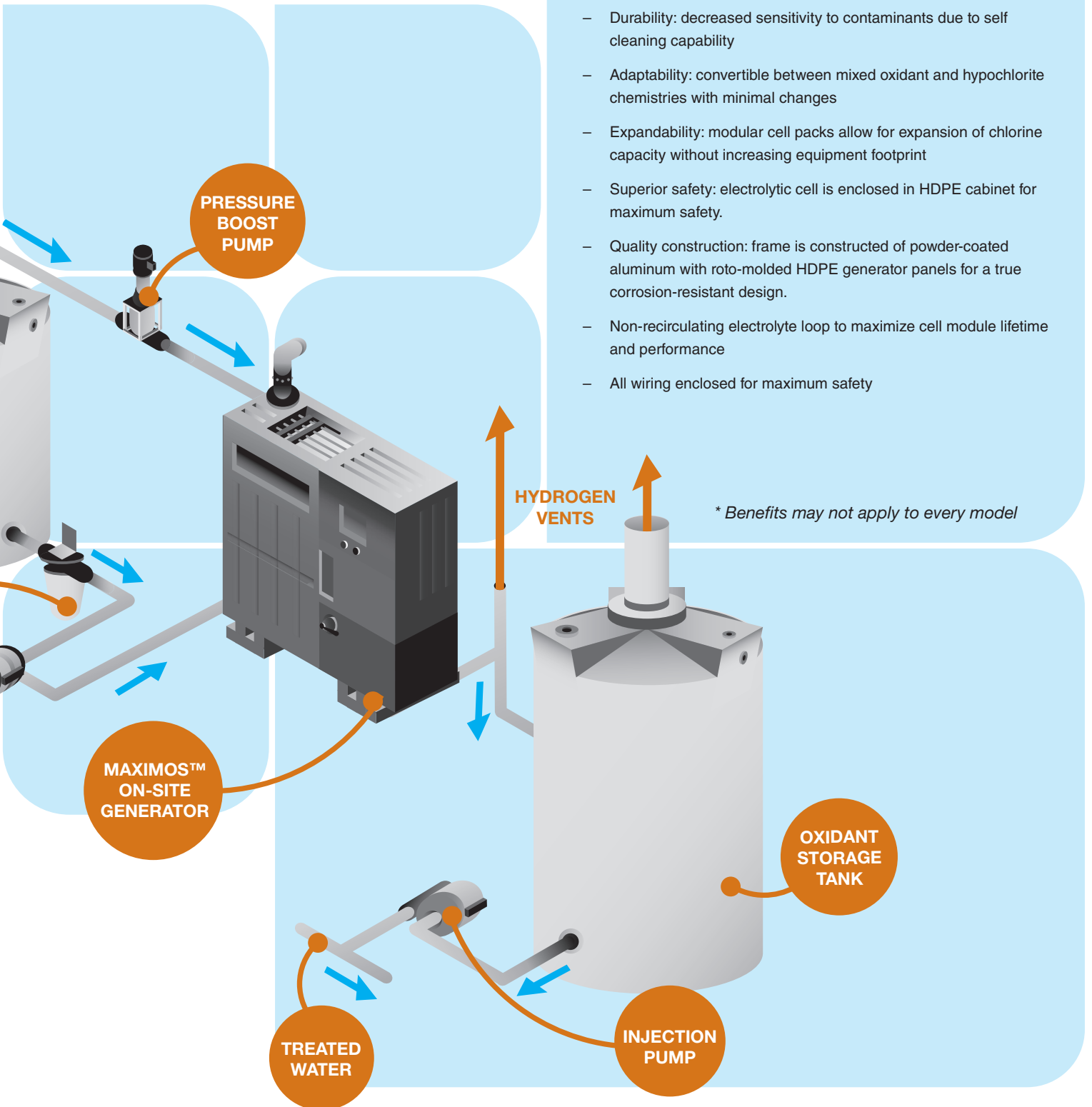
100 lbs./day  
self-cleaning  
electrolytic cell





## Benefits\*

- Ease of maintenance: self-cleaning system doesn't require acid washing as a normal maintenance task
- Improved functionality/human interface: new touch screen display creates a common interface for all Parkson disinfection systems; Remote monitoring capability; SCADA-ready
- Lower lifecycle cost: less maintenance means less labor required for system operation
- Durability: decreased sensitivity to contaminants due to self cleaning capability
- Adaptability: convertible between mixed oxidant and hypochlorite chemistries with minimal changes
- Expandability: modular cell packs allow for expansion of chlorine capacity without increasing equipment footprint
- Superior safety: electrolytic cell is enclosed in HDPE cabinet for maximum safety.
- Quality construction: frame is constructed of powder-coated aluminum with roto-molded HDPE generator panels for a true corrosion-resistant design.
- Non-recirculating electrolyte loop to maximize cell module lifetime and performance
- All wiring enclosed for maximum safety



We know all treatment needs are not alike. For standard disinfection needs, we offer a state-of-the-art on-site hypochlorite generator engineered with superior salt and energy efficiencies. For more advanced treatment needs, mixed oxidant solution offers all the disinfection power of hypochlorite with additional treatment benefits.

## Sodium Hypochlorite



	SH-Series	MH-Series	LH-Series
<b>Rated FAC Capacity</b>	25 -100 lbs/day	100 - 500 lbs/day	1,550 lbs/day
	11.3 - 45.4 kg/day	45 - 227 kg/day	703 kg/day
<b>Self Cleaning</b>	Available	NO	NO
<b>Salt Conversion (SCE) *</b>	3.0 lb salt / lb FAC (3.0 kg salt / kg FAC)		
<b>Energy Conversion (ECE) *</b>	2.0 kW-hr / lb FAC (4.4 kW-hr / kg FAC)		
<b>FAC Concentration *</b>	6,500 or 8,000 mg/L	8,000 mg/L	8,000 mg/L
<b>Flow Rate</b>	19 - 76 gph (± 15%)	75 - 375 gph	1,200 gph
	71.25 - 285 lph (± 15%)	284 - 1420 lph	4,543 lph
<b>Electrical Service</b>	220 VAC, 1 ph, 30A per module	480 VAC, 3 ph, 100A main	480 VAC, 3 ph, 400A main

## Mixed Oxidant Solution

	SM-Series	MM-Series	LM-Series
<b>Rated FAC Capacity</b>	15 - 60 lbs/day	60 - 300 lbs/day	1,000 lbs/day
	6.8 - 27.2 kg/day	27 - 136 kg/day	453 kg/day
<b>Self Cleaning</b>	YES	NO	NO
<b>Salt Conversion (SCE) *</b>	3.0 lb salt / lb FAC (3.0 kg salt / kg FAC)	2.5 lb salt / lb FAC (2.5 kg salt / kg FAC)	3.0 lb salt / lb FAC (3.0 kg salt / kg FAC)
<b>Energy Conversion (ECE) *</b>	3.0 kW-hr/lb FAC (6.6 kW-hr/kg FAC)	3.5 kW-hr / lb FAC (7.7 kW-hr / kg FAC)	3.0 kW-hr/lb FAC (6.6 kW-hr/kg FAC)
<b>FAC Concentration*</b>	4,500 mg/L		
<b>Flow Rate</b>	20- 80 gph (± 15%)	75 - 375 gph	1,200 gph
	75 - 300 lph (+/- 15%)	284 - 1420 lph	4,543 lph
<b>Electrical Service</b>	220 VAC, 1 ph, 30A per module	480 VAC, 3 ph, 100A main	480 VAC, 3 ph, 400A main

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



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