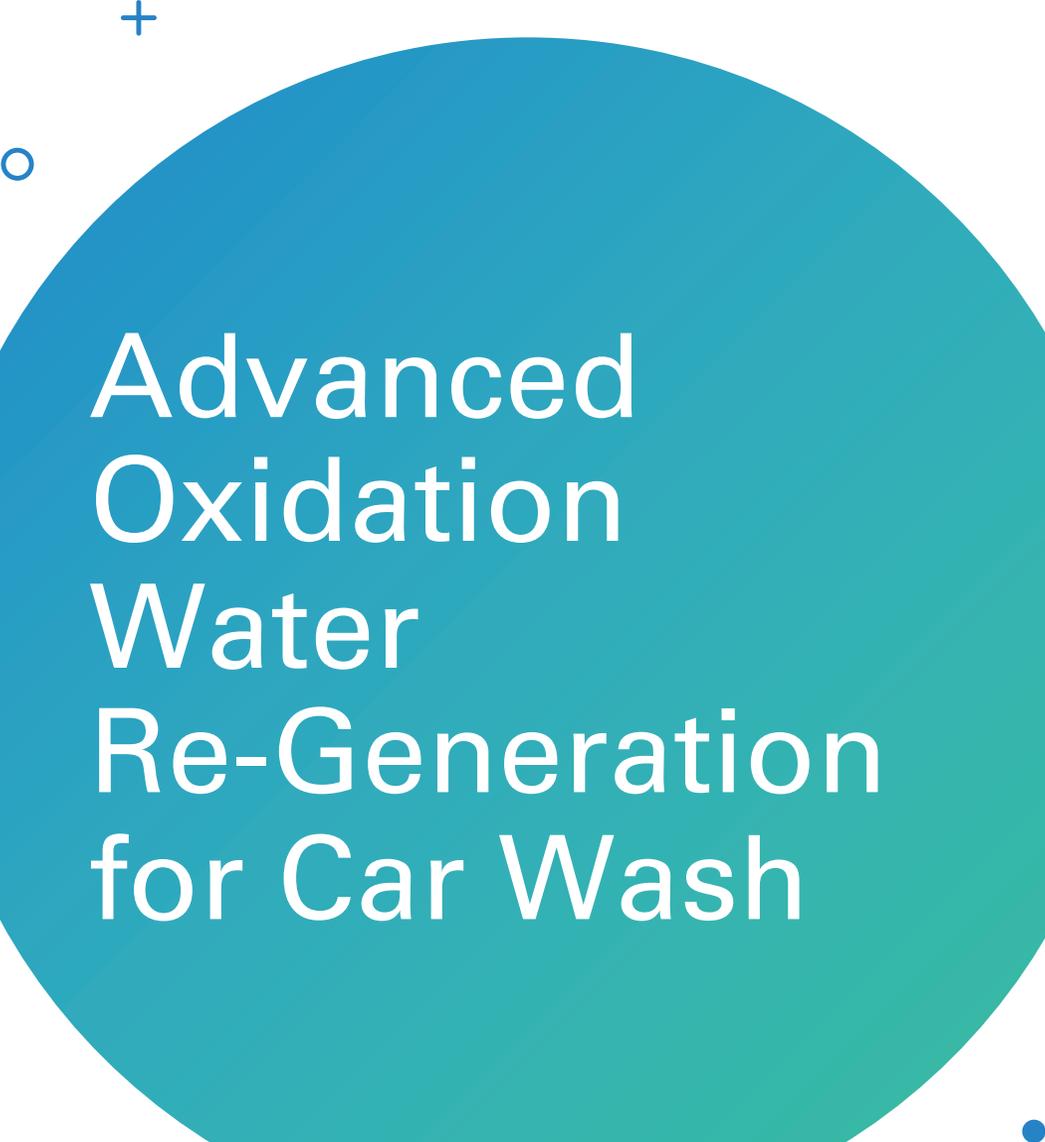


CarWash System

Complete Water Re-Generation

THE MONEY MAKER
Fill the Bank not the Drain



Advanced Oxidation Water Re-Generation for Car Wash

- All Wash Wastewater is Re-Generated
 - 70% Fresh Water Reduction
 - 0% Sewage Discharge
 - Reduced Chemical Consumption
 - Reduced Odor
 - Reduced Biological Growth on Facility
 - Financing Available
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Advanced Oxidation Reactor

- Self-Contained Car Wash Water Re-Generation system on stainless steel stand.
 - 7 HP pump energizes system to provide 100 gpm of filtered water.
 - Twin hydrocyclone pre filter
 - Advanced Oxidation Reactor from onboard Ozone generator.
 - Remove VOCs
 - Remove Dissolved Solids
 - Biologicals
 - Hydrocarbons
 - Disinfection, odor and color removal
 - Advanced Media Filtration
 - Polished water for low turbidity
 - Final TSS Removal
 - Patent Pending

AOP STAGE



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WATER POLISHING



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 ○ Proven
 Results



Coal Creek Car Wash		
ID	Water	Units
Temp	68	F
pH	7.2	
TDS	7	mg/L
Hardness as CaCO ₃	<2	mg/L
Ba	<1	mg/L
Sr	<1	mg/L
Ca	<5	mg/L
Fe	<1	mg/L
Mg	<1	mg/L
K	1	mg/L
Ba	<1	mg/L
Na	<1	mg/L
As	<1	mg/L
Cl	1	mg/L
TSS	<1	mg/L
TOG	<2	mg/L
DO	10.3	mg/L
NTU	12	
COD	4	mg/L
Bacteria	<1	Rlu

Specifications

- **AOP Stage:**
 - 44"Wx24"Dx52"H*
 - Weight 405 lb (shipping weight 495lbs)*
 - Input power: 208/230/480 VAC, 3 Phase @ 8.5/8/4.1 Amp max
 - Control Power: 115 VAC, 15 Amp max
 - On/Off Control: Switch selectable On/Off or remote
 - Primary Pump: 5 Hp – 100 gpm, @ 50 psi VFD driven
 - System Automation and Alert
 - Particulate Separators: Self-Purging vortex hydro-cyclone filters (qty 2)
 - Inlet Filtration: Cleanable Basket Super-Strainer*
 - Water Inlet: 3" FNPT
- **Ozone Stage:**
 - Provides 98% mass transfer efficiency of Ozone to water
 - No external pump needed
 - On/Off control: continuous operation with pump control
 - Ozone Injection: Proprietary injector 11 gram/hour
 - Ozone Generation: High efficiency corona discharge
 - Ozone generator with Oxygen concentrator
- **Media Filtration Stage:**
 - Proprietary Media
 - Automatic Backwash Cycle
 - 2 low velocity tanks