

AquaChem, Inc

*Water Management Solutions
For the
Professional Vehicle Wash*



Water is a universal solvent and an essential ingredient to the **Washing Equation**, along with Chemistry, and Mechanical Action.

The **Professional Vehicle Wash Operator** is challenged to manage this resource, of **Water**, for both increasing Expense and Regulations as the Economy evolves.

AquaChem, recognizes and understands these challenges and is a Solutions Driven Organization that provides the Professional Wash Operator with Alternatives.

The **Solution** for the **Operator** comes in the form of: Knowledge, Equipment, Application Experience to manage this Resource, **Water** to Assist the Professional Wash Operator to Attain the result of a **Consistently Clean, Dry, and Shiny Vehicle** with Managed Use of the Resource of **Water**.

Technology Engineered Water Recovery Equipment

- Pressure Driven use of a VFD
- PLC Logic and Display Control
- Biological Enzyme Pre-treatment
- Stainless Steel Construction
- Pre-plumbed and Pre-wired
- Easy to Install and Operate

Time Proven Water Treatment Equipment

- High Efficiency Reverse Osmosis
- R/O Concentrate Reuse
- Site Specific Water Pretreatment

Water Management Solutions Benefits Include:

- Reduction & Control of Water & Sewer Costs
- Reduction of Utility Impact Fees
- Compliance with Government Mandates
- Creating an Environmentally Friendly Facility

Contact AquaChem for:

Solutions, Advice, Site Drawings or Layouts



AquaChem, Inc.
4030 Kidron Road
Lakeland, FL 33811
(863) 644-5055

info@aquachem.biz

AquaChem Water Recovery Systems

SPECIFICATIONS	
Model Designation	Biological Series
Maximum Output (GPM)	40 to 200 (US) Gallons per Minute
Process Pump	Continuous Duty Rated, Self Priming, Bronze Impeller, SS Shaft
Motor Operating Voltage	208-230 Volts, 3/0 Phase, 60 Hz or 460-480 Volts, 3/0, 60Hz
Dimensions	48" WIDTH X 58" TALL X 24" DEEP
Construction	Stainless Steel and Brass Components
EXTERNAL AIR, PLUMBING, WATER, TANKING REQUIREMENTS (Not provided with Recovery Unit)	
Air Input	8.0 CFM @ 100 PSI, Terminate to Unit Air Regulator
PVC Plumbing	(2) 2" PVC SCH 80 Suction Lines from Final Reclaim Tank
	(1) 2" Output Line to Vehicle Wash Equipment
	(1) 1" PVC Enzyme / Aeration Return Line to First Reclaim Tank
	(1) 3" Drain Return Line for Backwash to Mud-pit or Trench
Water	1" City Connection; for Fresh Water Bypass and Priming
Clarifier Tanks	Minimum of 3,500 Gallons, Baffled Type
ELECTRICAL REQUIREMENTS	
Pump Motor and Variable Frequency Drive (VFD)	208/230 Volt or 460/480 Volt, 3/0 Phase terminated to Electrical Disconnect on Recovery Unit via Home Run Connection to Breaker
Logic Controller (PLC)	120 VOLT Single Phase
FILTRATION COMPONENTS	
Debris Trap	8" Stainless Steel Removable Basket
Process Filtration	Stainless Steel Element and Housing, 25 Micron Absolute Process Rating, Self Cleaning based upon System initiated Air Purge
ODOR CONTROL PRETREATMENT COMPONENTS	
Method	Biological with Continuous Re-circulating Aeration
Biological Type	Natural Enzymes
Introduction Method	System Controlled Automatic Dosing
Enzyme Consumption	One Gallon per Month, available through AquaChem
Aeration Method	Water Re-circulation with 40 SCFH Air Injector

