

# 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**.

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



## 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



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# AquaChem Water Recovery Systems

<b>SPECIFICATIONS</b>	
<b>Model Designation</b>	<b>ACCTB Biological Series</b>
<b>Maximum Output (GPM)</b>	<b>40 to 240 (US) Gallons per Minute</b>
<b>Process Pump</b>	<b>Continuous Duty Rated, Self Priming, Bronze Impeller, SS Shaft</b>
<b>Motor Operating Voltage</b>	<b>208-230 Volts, 3/0 Phase, 60 Hz or 460-480 Volts, 3/0, 60Hz</b>
<b>Dimensions</b>	<b>48" WIDTH X 58 " TALL X 34" DEEP</b>
<b>Construction</b>	<b>Stainless Steel and Brass Components</b>
<b>EXTERNAL AIR, PLUMBING, WATER, TANKING REQUIREMENTS</b> (Not provided with Recovery Unit)	
<b>Air Input (Optional Tunnel Flush)</b>	<b>8.0 CFM @ 100 PSI, Terminate to Unit Air Regulator</b>
<b>PVC Plumbing</b>	<b>(2) 2" PVC SCH 80 Suction Lines from Final Reclaim Tank</b>
	<b>(1) 2" Output Line to Vehicle Wash Equipment</b>
	<b>(1) 1" PVC Enzyme / Aeration Return Line to First Reclaim Tank</b>
	<b>(1) 3" Drain Return Line for Cyclone Separator Underflow to Mud-pit or Trench</b>
<b>Clarifier Tanks</b>	<b>Minimum of 4,500 Gallons, Baffled Type</b>
<b>ELECTRICAL REQUIREMENTS</b>	
<b>Pump Motor and Variable Frequency Drive (VFD)</b>	<b>208/230 Volt or 460/480 Volt, 3/0 Ph 60 HZ to System Disconnect via Home Run from Breaker in Electrical Service Panel</b>
<b>Logic Controller ( PLC )</b>	<b>120 VOLT Single Phase, 20 Amp Breaker</b>
<b>FILTRATION COMPONENTS</b>	
<b>Debris Trap</b>	<b>8" Stainless Steel Removable Basket</b>
<b>Process Filtration</b>	<b>Hydro-Cyclone, Operating Pressure 40-50 PSIG, Pressure Control via SS Transducer directly interfaced to Process VFD</b>
<b>ODOR CONTROL PRETREATMENT COMPONENTS</b>	
<b>Method</b>	<b>Biological with Continuous Re-circulating Aeration</b>
<b>Biological Type</b>	<b>Natural Enzymes</b>
<b>Introduction Method</b>	<b>System Controlled Automatic Dosing</b>
<b>Enzyme Consumption</b>	<b>One Gallon per Month, available through AquaChem</b>
<b>Aeration Method</b>	<b>Water Re-circulation with 40 SCFH Air Injector</b>

