

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
- Advanced Oxidation Treatment for Elimination of Chemistry and Odor
- 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 Treatment



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AquaChem Water Recovery Systems

SPECIFICATIONS	
Model Designation	ACCO3 Series
Maximum Output (GPM)	40 to 240 GPM
Process Pump (240 GPM Model)	Berkley – 10.0HP, Continuous Duty Rated, Self Priming, Bronze Impeller, Stainless Steel Shaft
Motor Operating Voltage	208-230 Volts, 3/0 Phase, 60 Hz or 460-480 Volts, 3/0, 60Hz
Amperage Draw	208/230 = 28/25 AMP, 460/480 = 12.5 AMP
Dimensions	52" WIDTH X 76" TALL X 34" DEEP
Net Weight (CRATED)	950 LBS
Construction	Stainless Steel
EXTERNAL AIR, PLUMBING, WATER, TANKING REQUIREMENTS (Not provided with Recovery Unit)	
Air (Optional with Tunnel Flush)	1.0 CFM @ 100 PSI, Terminate to Unit Air Regulator
PVC Plumbing	(2) 3" PVC SCH 80 Suction Lines from Last Clarifier Tank, One line serves as a spare, Terminate lines with Full Flow Flapper Check Valves, Install PVC SCH 80 Unions above water line for servicing (1) 3" Output Line to Vehicle Wash Module
	(1) 1" PVC Ozone Re-circulation Return Line to Second Stage of First Clarifier Tank, terminate with Tee 18" from the bottom of the Tank
	(1) 3" Drain Return Line for Cyclone Separator Underflow to Mud-pit or Trench
Water (Optional)	1" Fresh Water Tap for Bypass and Priming Options
Clarifier Tanks	Minimum of 4,500 Gallons, Baffled Type
ELECTRICAL REQUIREMENTS	
Variable Frequency Drive 3/0 PH, 208-480 V, 60 or 50 Hz	40 AMP Dedicated Circuit to Electrical Disconnect on Recovery Unit
Control Circuit	120/220 V 1/0 PH, 60 or 50 Hz, 20 AMP Circuit to Unit Electrical Encl.
Conduit	(1) 1" PVC Electrical Conduit terminated with Water Tight Junction Box in Last Clarifier for Low Level Float System Cutoff
Filtration Components	
Process Filtration	Hydro-Cyclone, Operating Pressure 40-50 PSIG, Pressure Control via SS Transducer directly interfaced to Process VFD
Pretreatment Control Components	
Method	Ozone / Advanced Oxidation Module (option)
Ozone Generation Type	Low Frequency CD w/ PSA Feed Gas Oxygen Concentrator
Ozone Production	¾ Pound per Day
Gas Eduction Method	Patented Injector, 99% Gas Transfer to Liquid
Treatment Method	Continuous Gas Transfer coupled with Water Re-circulation

