

News Letter 2nd Qtr 2012 Edition

Featured Product

New Low Cost Water Reclaim System



Utilizes particle separation to provide quality filtered water for reuse in many applications. Built on a compact custom powder coated frame with splash guard, this small system will provide 50-60 gallons per minute of water to your equipment as well as providing continuous circulation of the reservoir tanks with aerated water and BIOZONE odor control. The new system utilizes dual particle separation technology, proven to provide better quality end results than other common singular separation techniques. The dual separator reclaim system includes VFD driven continuous duty three phase motor, self priming centrifugal pump, constant circulation of reservoir, mass air injection, BIOZONE odor control system, powder coated splash guard frame, and control signal activation. Options are available to customize unit to your specification.

On the Web:

www.con-servwater.com



Take a look at our Vendor pages.

As a manufacturer of Industrial Equipment, Con-Serv Manufacturing relies on vendors with a commitment to the Industry. We partner with these companies because we have found the quality and performance of these manufacturers components to be consistent with ours.

Our first 2 pages are dedicated to Fleck Valves and Sta-Rite pumps. You will find on these pages information about each companies products that we support. In addition you will find operating manuals and specification sheets.

Reclaim Systems

Water Reuse Strategies

Self-service wash. This is the most demanding process to address due the uncontrolled use of water in the typical self-service application. Successful operation requires some wash equipment modification.

Water for all wash functions in this application, with the exception of fresh water rinse, can be generated by reclaim equipment. A closed-loop system can be installed due to the high amount of vehicle carry-off and evaporation found in this application. That's because the carry-off in the self-service application is greatly impacted by the absence of automated air-drying equipment.

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In-bay automatic high-pressure wash. The typical in-bay automatic will use reclaim water for all wash functions except the last pass of fresh water. Here a pass is defined as one movement of the carwash equipment.

Normally, reclaimed water will be used during the first pass of rinse and changed over to fresh water just before the pass is completed. This early purging is the means to clear any reclaim water from the existing lines prior to the final fresh-water rinse pass. One modification used in closed-loop environments is to make the undercarriage wash a standard feature - instead of an optional service - to ensure a high amount of vehicle carry-off.

Many in-bay automatics also offer spot-free rinse, either as a standard, or as an option, usually using deionized water. Water treated by reverse osmosis also can be used during this process and reclaim systems can handle the reject water produced by this method.

Tunnel wash applications. The typical tunnel application, depending on size and volume, will use either a single or double reclaim unit system.

In a double-unit system, one unit is dedicated to reusing wash water while the second unit is dedicated to rinse water. The carwash conveyor will contain a dam, which will separate the two types of water.

The wash-side unit will provide treated water for prep guns, cool down, presoak, tire blaster and high-pressure wash. The other unit will provide high-pressure rinse with a final application of fresh water to spray off any remaining reclaim rinse water.

The typical tunnel application operating in a closed-loop environment sometimes will use a tank level control system, which consists of a float sensor on the wash side of the tunnel. This level control system is the mechanism used to transfer water carried over the conveyor dam from wash to rinse. The water transfer is accomplished by interconnection of the reclaim equipment.

Short-length tunnels more often will use a single reclaim unit. Here, one unit will provide all water for the washing equipment up to the last high-pressure, low-volume fresh water rinse.

Maintenance Reminder

Multiple studies in several retail and wholesale businesses regardless of the industry have found significant increases in sales as a result of maintaining the appearance. [Take a look around – are you satisfied](#)

Industrial washing applications. Industrial applications are like fingerprints. Every situation is unique, requiring different equipment. In some cases, site-specific applications and equipment modification may be required.

Reclaim systems can be manufactured for new or pre-existing locations. Companies usually can supply drawings and information, including systems guidelines and estimated cost-savings to provide to your customers.

Industrial applications needing reclaim systems for vehicle washing include transportation, agriculture, rental companies and heavy-duty construction equipment.

Quick Quote Tool Coming Soon

We receive several requests each week to quote equipment for various projects. We try real hard to prepare these quotes as fast as possible, but sometimes get behind. We are in the beta stage of our quick quote tool and hope to have it complete by the end of June. We created the tool to provide a complete system quote for projects requiring Reverse Osmosis. Based on a flow rate (permeate from the RO) you will be able to size media, softeners, storage and more, for a complete water solution for projects from .2 to 10 gpm.

Reply to this e-mail and let us know if you would like the program for your use.

Sneak Peek:

Just add flow rate and hardness

Equipment Quoted for:	Air & Water
Sized for :	2 Gallons Per Minute (.2, .4, .8, 1-10)
Hardness	15 (GPG 5/10/15 only)

Quote automatically prefills allowing you to select equipment required

Media Filter (The media filters here are designed for municipal - low suspended solids)			
Qty	Part#	Description	Price
0	AMF - 1.5 CFT	MultiMedia Fltr, Fleck 2510, 10 x 54, 3/4" I/O	\$696
Carbon Filter for Dechlorination (flow 7.5 gpm per cubic inch)			
0	ACF - 2 CFT	Carbon Fltr, Fleck 2510, 12 x 52, 3/4" I/O	\$819

Con-Serv Jokes Corner

A physicist, biologist and a chemist were going to the ocean for the first time. The physicist saw the ocean and was fascinated by the waves. He said he wanted to do some research on the fluid dynamics of the waves and walked into the ocean. Obviously he was drowned and never returned. The biologist said he wanted to do research on the flora and fauna inside the ocean and walked inside the ocean. He too, never returned.

The chemist waited for a long time and afterwards, wrote the observation, "The physicist and the biologist are soluble in ocean water".

A Mr. Charly, a chemistry teacher, decided to instruct his 5th grade class a lesson about the evils of liquor, so he designed an experiment that involved a glass of water, a glass of whiskey, and two worms.

"Now, class, observe closely the worms," said the teacher first putting a worm into the water. The worm in the water writhed about, happy as a worm in water could be.

The second worm, he put into the whiskey. It writhed painfully, and it quickly sank to the bottom, dead as a doornail.

"Now, what lesson can we derive from this experiment?" the Mr. Charly asked. Little Terry raised his hand and wisely responded, "Drink whiskey and you won't get worms!"

Con-Serv Manufacturing has been producing Water Treatment and recovery equipment for many industries and applications for over 30 years.

Give us a call today on your next project.

Industries served:

Electro-Plating

Textile Manufacturing

Power Generation

Irrigation/Agriculture

Landfill Leachate

Electronics Manufacturing

Pharmaceutical Manufacturing

Chemical Manufacturing

Sea Water Desalination

Beverage Production

Pigment Production

Oily Wastewater

Municipal Wastewater