

## Model 750 Wash Water Recycle System Large Parts Washing Configuration

Model 750



Round Sump

Solids Separator



Submersible Pump

The Model 750 wash water recycle system is designed to handle the washing needs of large parts washing operations. For optimal performance the Model 750 is designed to be used in conjunction with ESD Waste2Water's pre-engineered Solids Separation System and in-ground sump. The Model 750 can readily be modified to accommodate remote hose stations and can be customized to easily update existing wash areas. The system is versatile, requires low maintenance and is extremely effective at recycling wash water from your facility wash areas.



Certified to UL-508A Standards

### Model 750 Specifications:

Flow Range:	0-15 GPM
Daily Throughput:	1,250 GPD
Electrical:	230 Volt 1 Phase 40 amp
Fresh Water Supply:	3/4" line required
Operating Capacity:	598 gallons
Biological Media:	1,152 sq ft
Pressure Pump: (Centrifugal)	3/4 hp
Regenerative Blower:	1.5 hp
Dimensions: (L x W x H)	7' x 4' x 4'3"
Net Weight:	450 lbs



ESD Waste2Water, Inc.  
495 Oak Road  
Ocala, FL 34472  
Tel: 800.277.3279 Fax: 352.680.9278  
www.waste2water.com



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### **A** Round Sump

Wash water flows into a pre-engineered ESD Round Sump that utilizes a debris screen and acts as a pre filter preventing larger items from entering into the sump. A powerful pump then pushes the wash water to the above ground Solids Separator.

### **B** Solids Separator

Wash water from the Round Sump is pumped into the Solids Separator where it flows through a series of baffles and then gravity feeds into the Biological Treatment System. Fine solids settle and are drained on a regular basis through valves in the bottom of the Solids Separator. The solids are then disposed of properly according to local regulations.

### **C** Biological Treatment System

Once in the Biological Treatment System, the water travels over and under a series of baffles and through a mass of honeycomb bio-media covered with specially formulated microbes. Organic contaminants such as oil and grease are consumed by the microbes and the contaminants are converted into carbon dioxide and water virtually eliminating messy oily clean up. As a final step the water is polished by a 25 Micron reusable filter.

### **D** Recycled Wash Water

Treated water is delivered to the pressure washer of your choice. (Not included) The equipment is then washed with recycled wash water and the runoff is then collected by the round sump allowing the process to be repeated.

