

Parts Washing Stations

Portable Closed-Loop with Biological Treatment for Recycling Wash-Water



*Pictured above:
Model PWS-510 with optional turntable*

ESD offers a full line of **Portable Parts Wash Stations** to meet virtually any Parts Cleaning requirements. Four standard wash area dimensions afford a range of operating needs to handle a multitude of part sizes, dimensions and geometries. Manual spraying with a pressure washer focuses the cleaning operation where needed for effective and thorough washing. Walls on three sides of the station help contain any overspray.

A deck capacity of 4,500 pounds affords plenty of structural integrity. The integrated biological treatment system recycles the wash water for reuse, saving water and detergent costs. In addition, it complies with environmental regulations. An integrated 1000 psi @ 2.2 gpm cold water pressure washer is available as an option, or couple the system with your own hot or cold pressure washer for maximum washing efficiency.

The above-ground wash station is easy to set-up and maintain. Plus, it's portable by design...and can be relocated easily with a forklift!

The PWS series can be customized to fit the specific needs of your application. ESD also offers other series of larger wash stations. Please contact us for a complimentary review of your washing requirements.

Specifications:

Model	PWS-56	PWS-58	PWS-510	PWS-512
Wash Area Dimension	5' x 6'	5' x 8'	5' x 10'	5' x 12'
Wall Height - 3 sides	4'	4'	4'	4'
Daily Processing Capacity	950 gal	1,050 gal	1,050 gal	1,250 gal
Tank Operating Capacity	475 gal	575 gal	575 gal	625 gal
Biological Media	752 sq ft	752 sq ft	752 sq ft	752 sq ft
Wash Water Flow Range	0-15 gpm	0-15 gpm	0-15 gpm	0-15 gpm
Wash Deck Load Capacity	4,500 lbs	4,500 lbs	4,500 lbs	4,500 lbs
Pressure Pump	3/4 hp	3/4 hp	3/4 hp	3/4 hp
Regenerative Blower	1.0 hp	1.0 hp	1.0 hp	1.0 hp
Filtration:	Reusable pleated poly 25 micron - 47 sq. ft.			
Materials of Construction	Marine Grade Aluminum			
Utility Requirements				
Electrical	240 Volt, 1ph, 30 Amps			
Fresh Water Supply	3/4" Fresh Water with On/Off Valve for autofill feature			
Dimensions / Weight:				
Overall Dimensions	5'W x 10'L x 5'6"H	5'W x 12=L x 5'6"H	5'W x 14'L x 5'6"H	5'W x 16'L x 5'6"H
Approx dry Weight	1300 lbs	1450 lbs	1600lbs	1750 lbs
Options:				
	Turntable 40" or 50" diameter - 3,500 lb. capacity			
	Splash Curtains - One Side (Front)			
	Pressure washer - 1,000 psi @ 2.2 gpm			



Certified to UL-508A Standards





A Wash Platform and Turntable.

Items to be washed can be placed directly on the 4,500 lb. load capacity grated wash platform, or on the optional 3,500 lb. capacity, rotating turntable. The operator is able to stand next to the wash pad during the entire washing operation.

B Wash Pad.

Wash water from the washing operation cascades through the grates and into the wash pad containment area where the water flows through a maze of channels to a sump area in the wash pad. Larger solid material is dropped out of the waste stream and a sump pump delivers the water to the first chamber of the biological treatment unit.

C Biological Treatment Unit.

A compact biological treatment unit is an integral component of the parts washing station. The biological treatment unit is designed to direct the wash water through multiple chambers containing hundreds of square feet of honeycomb bio-media with billions of specially-formulated microbes. Organic constituents in the wash water, such as oils, greases and fuels, are consumed by the microbes and the organic contaminants are converted into carbon dioxide and water. A final 25 micron pleated and reusable filter removes any particulate load before feeding the pressure washer.

D Recycled Wash Water.

Treated water is delivered in a closed-loop environment from the biological treatment unit to either:

- an optional self-contained 1,000 psi, 2.2 gpm pressure washer system, or
- to a standard hot or cold water pressure washer of your choice.

The process then begins again...



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