



EcoClean ACRS-SPW Series™

A true innovation

Using the EcoClean ACRS reactor system, organic oily contaminants are permanently chemically modified, turning them into surfactants and emulsifiers, thereby increasing the cleaner's ability to remove more oil, grease and dirt. The EcoClean ACRS (Aqueous Cleaner Regeneration System) line of systems regenerates aqueous cleaning solutions in process, which creates a valuable emulsion cleaner, reduces wastewater generated, reduces make-up soap requirements, and increases operational uptime and throughput.

An alliance between environment and business

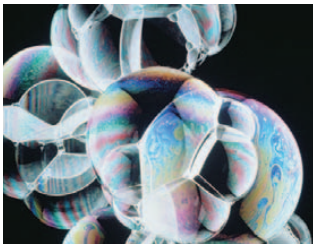
The conventional wisdom, that a dollar spent on anything environmental was a dollar lost, is no longer true. The EcoClean ACR System, while easing environmental compliance by reducing wastewater and conserving resources, makes money by allowing for less maintenance and for more continuous uptime between servicing of cleaning machines. Average cleaning cycle times become stable and fairly constant. And



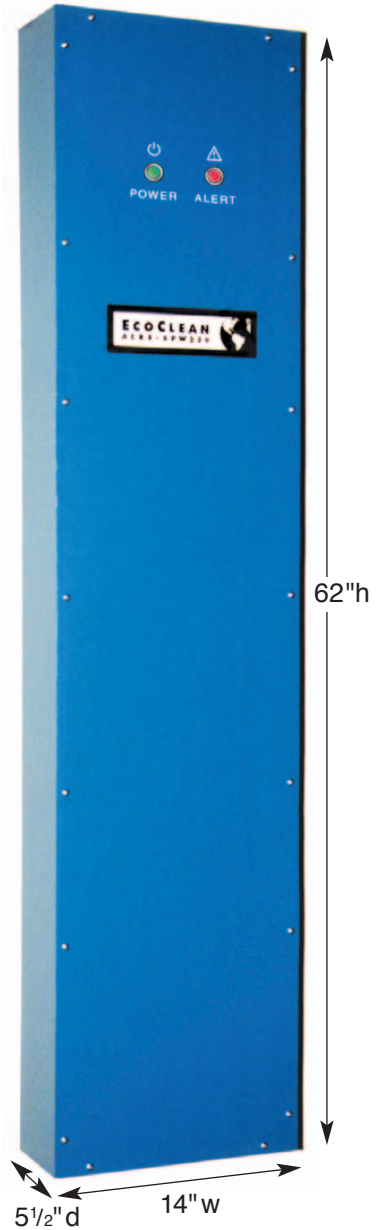
because the system creates a high value emulsion cleaner, your parts will probably be cleaned better and faster than with the cleaner you are currently using.

Dollars and sense

With the EcoClean ACRS-SPW Series there is less soap to buy and less wastewater and spent cleaner to dispose of or pretreat. Depending upon the specific application, the improved emulsion cleaner created by the EcoClean ACR System will also allow cleaning operations to run at lower temperatures, and reducing average cleaning cycle times, thereby conserving energy and associated expenses. With all that, it still costs less to run than the average home computer, or about \$.44 cents per day.



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Process description

The EcoClean ACR System is appropriate for any system using a cleaner with neutral to basic pH, with organic based soils to be cleaned.

Major benefits

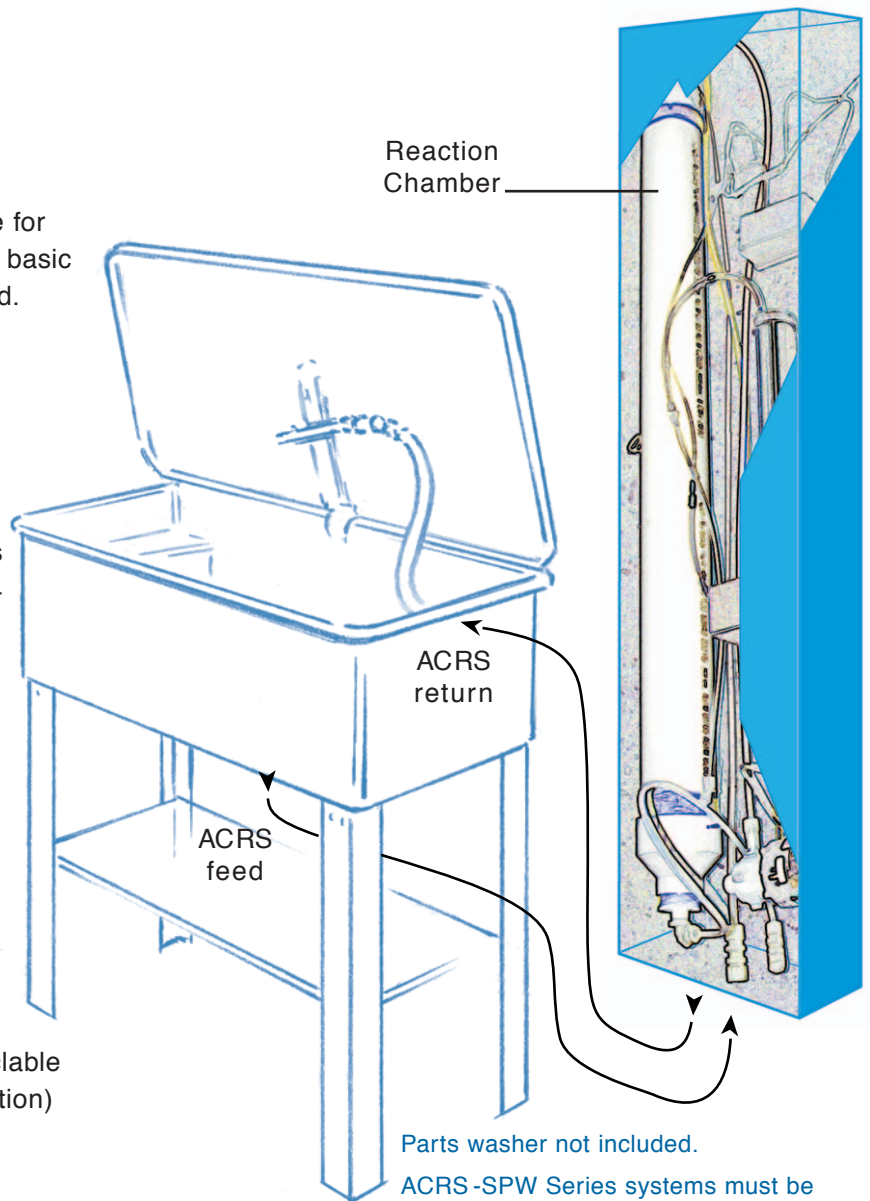
1. Extends cleaning solution life
2. Improves and stabilizes cleaning solution performance
3. Reduces disposal costs
4. Reduces chemical consumption and costs
5. Can be integrated into EPA mandated P4 (Permanent Pollution Prevention Plans)

Configuration options

1. High temperature service construction
2. Custom sizes and configurations are available, including industrial class modular regeneration units for attachment to wash racks, cabinet washers and automated lines
3. Available with EcoShield Companion BioReactor Model # ECR-60 (With the ECR-60 Companion BioReactor excess soap may be converted to recyclable biomass, depending upon your application)

Optional accessories

1. Inlet filter
2. Installation plumbing kit
3. Floor stand
4. Automatic pH controller



Parts washer not included.

ACRS-SPW Series systems must be mounted such that the liquid cleaner supply provides a positive gravity forced flow to flood the pump suction inlet.

Specifications subject to change without notice.

OEM and Distributor inquiries invited. Contact EcoShield by e-mail, fax or phone for more information.



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Additional material (white papers) may be obtained from
<http://www.ecoshieldenv.com/white.htm>

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