



I. Product Description

CRC's **SmartWasher®** System is a timely alternative to conventional petroleum-based solvent parts washers. **SmartWasher®** is a self-contained, self-cleaning system that is completely safe, nontoxic and generates no hazardous waste-without compromising cleaning ability. **SmartWasher®** uses the process of bioremediation - the accelerated breakdown of organic compounds such as grease, grime, varnish, oil, carbon and other heavy industrial soils through the use of microbes. The microbes, suspended in fluid that recirculates through the unit, literally eat their way through soils, converting them into harmless water and Carbon Dioxide (CO₂). The solution remains clean and usable, unlike traditional solvent-based systems where the solution becomes dirty and less effective over time. Disposal becomes a nonissue, as hazardous waste streams are eliminated. This process is nonhazardous, noncaustic, VOC free, nonflammable and does away with the need for regulatory paperwork.

SmartWasher® 28 consists of a sturdy, impact resistant, self-contained washing unit with a flexible nozzle and brush that direct the warmed cleaning fluid for parts washing. The fluids work in conjunction with special microbe impregnated filters to effectively clean the dirtiest parts. **SmartWasher® 28** has a 28" wide sink and a front mounted electronic control panel with convenient knee switch.

II. Applications

Recommended for parts cleaning in preventative maintenance and repair facilities, industrial manufacturing plants, automotive repair shops, metal fabricators, and anywhere that dirty, greasy, grimy parts need to be cleaned without regulatory or disposal issues. **SmartWasher®** is safe to use on all types of metal parts, and will not damage incidental components such as rubber or plastic.

III. Features & Benefits

- **Eliminates Hazardous Waste Disposal.** Generates nohazardous waste, eliminating reporting, disposal, and regulatory paperwork.
- **Excellent Cleaning Ability.** Cleaning Solutions contain wetting agents that literally lift grease and grime off of parts to be rinsed away.
- **No Costly Service Contracts.** Saves money over conventional rental parts washers.
- **Increased User Health and Safety.** Gentle yet effective cleaning solutions are nonflammable and won't chap, crack or dry hands.
- **No Class I or II Ozone Depleting Chemicals.** Provides an alternative to 1,1,1-Trichloroethane products while complying with the EPA regulations on the use of ozone depleting chemicals.
- **Contains No VOCs.** Free of volatile organic compounds which cause ground smog.

IV. Physical Properties

Overall Dimensions	36"H x 32W x 26.5"D
Inside Sink Dimensions	8"H x 28"W x 17"D
Material	1/4" minimum thickness rotomolded LLDPE, impact resistant, non-conducting
Pump Capacity	1/125 HP, 170 GPH at 1 foot, sump intake
Electrical	fused 115v, 60 Hz
Heater	1000 watt dispersed incoloy industrial heater
Weight (empty)	75 pounds (minimum)
Controls	on/off control, front mounted, 4" square for knee activation user timer control with 4 minute increment, front mounted timer override control, front mounted, user activated user regulated independent flow control from faucet and brush detachable parts brush with side and center flow jets
Indicators	low fluid indicator (red) system ready indicator (green) continuous fluid flow indicator (green)

V. Specifications and Approvals

When used as a system, **SmartWasher® 28** meets requirements for a Clean Air Solvent Certificate from the South Coast Air Quality Management District (SCAQMD).

VI. Performance Characteristics

Filtration*	user changeable without hand tools or special equipment
	user disposable
	microbe impregnated
	filtration to 50 microns
Microbe Treatment*	environmental-shock resistant
	preserved for 18 month minimum shelf life
	suspended ion filter with water-soluble material for release at a predictable rate
	nonpathogenic

*Filtration and microbial properties indicative of total system use

VII. Directions

- Read the Operating Manual included with each **SmartWasher®** unit for installation information.
- Initial start-up requires 25 gallons of fluid and one filter in addition to the unit.
- Fluid replenishment is one 5 gallon pail every 6 to 8 weeks or as needed; filter replacement is one per month.
- Once installed, the **SmartWasher®** should be left plugged in and turned on, even when not washing parts. In the Standby/Ready mode the fluid will be kept at the recommended operating temperature. If the temperature falls below the recommended minimum, the system will still clean, but the remediation of the hydrocarbons by the microbe colony will slow down. The microbes will reactivate when the fluid temperature reaches the appropriate level.

VIII. Package Description

Part Number	Container Size
14145	28" Parts Cleaner

IX. Disposal

Disposal requirements vary by state and local jurisdiction. All used and unused product should be disposed of in conformance with local, state and federal regulations.

IX. Special Use Warnings

General

Avoid direct skin contact or inhalation. Allergic reactions to industrial products may occur in some individuals. It is recommended that safety glasses and rubber gloves be worn when handling industrial use products.

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