



# SmartWasher<sup>®</sup>

## PRODUCT GUIDE



# BE SAFE BE SMART

## PROTECT YOUR TEAM AND THE ENVIRONMENT

The CRC SmartWasher® is a bioremediating parts washing system designed to clean parts and equipment during repair and maintenance operations - safely. The system combines 3 essential components – the SmartWasher® parts washer, the OzzyJuice® cleaning fluid, and the OzzyMat® filter that contains a proprietary blend of microbes.

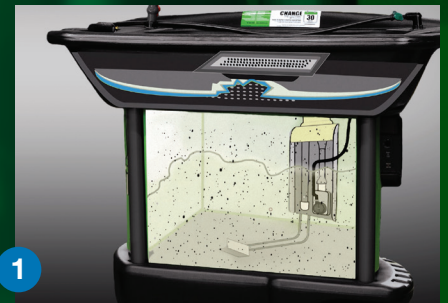
The SmartWasher® heats and circulates the OzzyJuice® and the OzzyJuice® cleans the parts. The OzzyMat® releases the microbes into the cleaning fluid to break down and eat oil, grease and carbon-based contaminants, creating a self-cleaning system that does not generate hazardous waste.

The SmartWasher® system harnesses the power of nature to deliver exceptional cleaning performance while also eliminating the need to handle or dispose of hazardous waste, making it a safer choice over manual solvent or aqueous-based parts washers.

## WHAT IS BIOREMEDIATION?

Bioremediation is the use of microbes to break down and “eat” oil, grease, and carbon-based contaminants. This proven biotechnology is used to assist in the clean-up of wastewater treatment ponds and lagoons in petroleum refineries and industrial manufacturing facilities all around the world.

- 1 Oil contaminants enter the solution as parts are washed.
- 2 Surfactant in OzzyJuice® solution emulsifies the oils.
- 3 Emulsified oil is eaten by the Ozzy® microbes.
- 4 Oil is converted into water and carbon dioxide.



1



2



3



4



## CERTIFICATION & APPROVALS

The environmentally safe alternative to solvent based parts washers. The OzzyJuice® degreasing solutions used in the SmartWasher® are non-hazardous, non-corrosive, pH-neutral, non-flammable, non-toxic, non-caustic, aqueous-based degreasing solutions. They are environmentally friendly and are not known to cause damage to humans or the environment. When used in accordance with directions they DO NOT create hazardous wastes or produce cradle-to-grave liabilities.

### OzzyJuice® Food Industry Approvals

- MPI approved for use at farm dairies and in dairy processing.
- MPI approved for all animal product except dairy.
- NSF approved A1 - all fluids.

### OzzyJuice® Defence Force Approvals

- National Stock Numbers (NSN)  
NSN numbers for Defence Forces available upon request.

### Safer Choice® Approved Products

- OzzyJuice® SW-4 and OzzyBooster™ liquid microbes are both US EPA Safer Choice Products.



NSF is a registered trademark of NSF International

MPI Approved



**CRC** **SmartWasher**  
BIOREMEDIATING parts washing system

### ✓ High-Performance Cleaning

- ✓ Non-Hazardous
- ✓ Non-Flammable
- ✓ Non-Corrosive
- ✓ Non-Polluting



[www.smartwasher.com](http://www.smartwasher.com)

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# THE PERFORMANCE ADVANTAGE

It works! CRC SmartWasher® is effective, even on the toughest carbon, grease, gunk and oils.



## Exceptional Cleaning Power

Meets or exceeds the cleaning performance of manual solvent and aqueous parts washers



## Self-Cleaning Solution

The bioremediation process keeps the fluid clean and ready to use



## Mobile Options

Save time by bringing the washer to the parts instead of the parts to the washer

# THE COST ADVANTAGE

When you compare traditional parts washers against the CRC SmartWasher®, the savings are clear.



## Less Spending

No ongoing purchase of solvent cleaners



## Minimized Waste

No changing or hauling away of cleaning fluid



## No Contracts

Eliminates hazardous waste removal contracts



## Lower Liability

No cradle to grave legal liability



# THE SAFETY ADVANTAGE



A CRC SmartWasher® delivers exceptional cleaning without any of the health risks associated with solvent and aqueous-based parts washers. It's safer for you and for the environment.



## Bioremediating Microbes

Naturally Occurring and Non-Pathogenic



## OzzyJuice® Cleaning Fluids

Non-Irritating and Environmentally-Friendly



## Safer For Employees

No Contact with Harmful Solvents



## Safer for the Environment

No Hazardous Waste



### **FLEXIBLE FAUCET**

Bendable design allows user to aim fluid stream directly at greasy, dirty parts.



### **THE OZZYMAT®**

The microbe-infused mat traps particulate matter larger than 50 microns. It is disposable and easy to change. The microbes in the mat are activated when used with OzzyJuice®. Change mat every 30 days for optimal performance.



### **RECIRCULATING PUMP**

Sump action recirculates system fluid and microbes through machine.

### **INDUSTRIAL HEATER**

Built-in heater keeps fluid at a comfortable 40° C. The heat can also be set to 46° C.



### **FLOW-THROUGH BRUSH**

Scrub away grease and oil with the durable brush.



### **CONTROLLER**

On/Off switch for pump flow.

Green light power is on.

Red light is on the fluid level is low.



SmartWasher® ships completely assembled. The SmartWasher® startup kits contains everything you require to set up and use your SmartWasher® straight away including fluid and filters. This pack makes sure you are prepared from day 1 to use and maintain your SmartWasher® in peak condition.

## SW-33 Mobile Parts Washer

SW-33: Fits every application with its unique design, large sink size, mobility and amazing features. It includes an extra long angled brush/hose for those hard to reach places and a customised dolly with a footstep that makes it really easy to move around. It contains the detachable control module.

Overall Dimensions	1092mm (L) x 686mm (W) x 1067mm (H)
Inside Sink Dimensions	686mm (L) x 584mm (W) x 203mm (H)
Capacity	70 L
Load Capacity	180 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle Switch
Pump Capacity	19 L per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 Minutes
Certified	ETL (UUCSA), CE, NSF
Initial Fill	60 L



### SW-33 Optional Starter Kit

CONTAINS	CRC CODE	CRC DESCRIPTION
1 x SW-33 SmartWasher® system, 5 x OzyJuice® 20L, 3 x FL-4 OzyMat®	SW-33	SW-33 (Machine only)
	SW-33-4	STARTER KIT SW-33 SW-4 FL-4
	SW-33-8	STARTER KIT SW-33 SW-8 FL-4
	SW-33-X1	STARTER KIT SW-33 SW-X1 FL-4



## SW-37 Mobile Heavyweight Parts Washer

SW-37: Tough enough for the big jobs, it has an enormous 454 kg load capacity, moves easily through the workshop area on a mobile dolly or can stay in one place with locking casters and provides a large, oversized sink to accommodate large and small parts. It contains the detachable control module.

Overall Dimensions	1219mm (L) x 889mm (W) x 1143mm (H)
Inside Sink Dimensions	838mm (L) x 685mm (W) x 203mm (H)
Capacity	100 L
Load Capacity	454 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle Switch
Pump Capacity	19 L per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 Minutes
Certified	ETL (UUCSA), CE, NSF
Initial Fill	100 L



### SW-37 Optional Starter Kit

CONTAINS	CRC CODE	CRC DESCRIPTION
1 x SW-37 SmartWasher® system, 6 x OzyJuice® 20L, 3 x FL-4 OzyMat®	SW-37	SW-37 (Machine only)
	SW-37-4	STARTER KIT SW-37 SW-4 FL-4
	SW-37-8	STARTER KIT SW-37 SW-8 FL-4
	SW-37-X1	STARTER KIT SW-37 SW-X1 FL-4



# SW-28 SuperSink Parts Washer

SW-28: Bigger is better with the SuperSink Parts Washer. This model is loaded with features and includes an extra large work surface for all jobs, large and small. A second brush allows two people to work at the same time.

Overall Dimensions	1194mm (L) x 965mm (W) x 1067mm (H)
Inside Sink Dimensions	1041 mm (L) x 660mm (W) x 203mm (H)
Capacity	100 L
Load Capacity	227 kg
Parts Washer Structure	Heavy-Duty HDPE
Controls	Toggle Switch
Pump Capacity	19 L per minute
Adjustable Thermostat	40 to 46°C
Flow Control Timer	10 Minutes
Certified	ETL (UUCSA), CE, NSF
Initial Fill	100 L



## SW-28 Optional Starter Kit

CONTAINS	CRC CODE	CRC DESCRIPTION
1 x SW-28 SmartWasher® system, 6 x OzzyJuice® 20L, 3 x FL-4 OzzyMat®	SW-28	SW-28 (Machine only)
	SW-28-4	STARTER KIT SW-28 SW-4 FL-4
	SW-28-8	STARTER KIT SW-28 SW-8 FL-4



CRC SmartWasher®

# Model Comparison Chart



**SW-28**  
SuperSink Parts Washer



**SW-33**  
Mobile Parts Washer



**SW-37**  
Mobile Heavyweight Parts Washer

Heavy-Duty HDPE Construction	●	●	●
Electric Operated Pump (19L/min)	●	●	●
Adjustable Thermostat (40 to 46°C)	●	●	●
Toggle Switch Controls	●	●	●
On-Board Diagnostics	●	●	●
Flow Control Timer	●	●	●
One Brush Station		●	●
Two Brush Stations	●		
Dolly		●	●
Detachable Control Module		●	●
Up to 180kg Load Capacity		●	
Up to 227kg Load Capacity	●		
Up to 454kg Load Capacity			●
Certified: ETL (UL/CSA), CE	●	●	●

CRC SmartWasher®

# OzzyJuice®



## What is OzzyJuice®?

OzzyJuice® is a powerful, aqueous based degreasing solution that is pH-neutral, non-irritating, nonflammable, and non-toxic. Armed with superior cleaning capability, the OzzyJuice® solutions will match or surpass the performance of premium solvents without all the associated risks.

### Ozzy® microbes keep the OzzyJuice® clean and strong.

Microbes (Ozzy®), introduced into the SmartWasher® system through the OzzyMat™, eat the grease, oil and other contaminants cleaned off the dirty parts, creating the harmless by-products of carbon dioxide and water.

### Clean OzzyJuice® means clean parts.

The OzzyJuice® cleaning/degreasing solution cleans the dirty parts and the Ozzy® microbes clean the OzzyJuice® leaving it strong and clean for every use. You should never need to haul away dirty parts cleaning fluid again, if the unit is maintained properly, and according to the operating instructions.

CRC SmartWasher®

# OzzyMat™

## FL-4 Multi-Layer OzzyMat™

Designed for applications with normal to heavy usage, the FL-4 Multi-Layer OzzyMat™ has (4) white layers and (1) blue layer. The white layers on the mat trap any particulate larger than 50 microns and should be peeled away once a week for optimum performance. The coloured layer is the support structure that contains the microbes (Ozzy®) and delivers them into the system. These microbes (Ozzy®) migrate from the OzzyMat™ into the OzzyJuice®, located in your SmartWasher® tank, and break down hazardous waste.



## Contaminant Comparison Chart

	HEAVY DUTY DEGREASING SOLUTION	SELECT, METALS, AIRCRAFT & WEAP- ONS DEGREASING SOLUTION	HIGH-PERFORMANCE DEGREASING SOLUTION
CONTAMINANT	SW-4	SW-8	SW-X1
Crude Oil	Excellent	Good	Superior
Hydraulic Transmission Fluid	Excellent	Excellent	Superior
Motor Oil	Excellent	Excellent	Superior
Soldering Flux	Excellent	Excellent	Superior
Bearing Grease	Excellent	Good	Superior
Automotive Grease	Excellent	Excellent	Superior
Resin Products	Excellent	Excellent	Superior
Fifth Wheel Grease	Excellent	Good	Superior
Creosole	Excellent	Good	Superior
Impacted Grease	Excellent	Good	Superior
Animal Fat	Excellent	Fair	Excellent
Automotive Varnish	Good	Good	Superior
Burnt on Carbon	Excellent	Good	Superior
Cutting Oils	Good	Good	Superior
Ink & Toner	Good	Fair	Good
Asphalt	Good	Fair	Good
OZZYMAT™		Normal to heavy particulate	

CRC SmartWasher®

# OzzyBooster™

## OZBST - OzzyBooster™

A microbial enhancer that can be used to enhance or “boost” microbial activity in the SmartWasher® system; it actually increases the concentration of Ozzy® (microbes) within the Ozzyjuice®.

In most cases, the need for a “boost” will never materialise but when an overused machine needs a “kick in the microbes,” so to speak, OzzyBooster™ can do the job.



CRC SmartWasher®

# OzzyBrushes™

## 1675-BRANB Angled Brush with Button

Angled brush with flow control button on the handle. Standard brush on SmartWasher® models SW-23 and SW-37.

## 1685-BRUSH Straight Brush Replacement

Straight flow through brush. Standard brush on SmartWasher® models SW-25 and SW-28.



CRC SmartWasher®

# Ozzy Apple Scent™

## 3335-SCENT-4

Odour Neutraliser for the SmartWasher® unit when a different odour is required or requested - Apple Scent.



CRC SmartWasher®

# Machine Covers

Covers available to protect your machines



SW-28

SuperSink Parts Washer Cover



SW-33

Mobile Parts Washer Cover



SW-37

Mobile Heavyweight Parts Washer Cover



# SmartWasher®

## SALES & SERVICE SUPPORT

CRC operates a dedicated customer care support line, available to you and your customers:

**Ph 09 272 2700**

**Email:** [swtechsupport.anz@crcind.com](mailto:swtechsupport.anz@crcind.com)

**www.crc.co.nz/smartwasher**

We run an end-user customer contact programme ensuring optimal SmartWasher® system operation, regular maintenance, new product updates and consumable sales through your business.

We provide a warranty registration programme and on going sales support for you and your customers.

## OUR COMMITMENT TO YOU

*“To assist businesses in retaining the lifetime value of their correctly operating SmartWasher® system.”*





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