

SmartWasher®

BIOREMEDIATING parts washing system

PRODUCT GUIDE

**BE SAFE
BE SMART**

PROTECT YOUR TEAM AND
THE ENVIRONMENT



The Professional's Choice



SmartWasher®

BIOREMEDIATING parts washing system

CRC SmartWasher®

Sales & Service Support

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

Ph 1800 224 227

www.crcind.com.au/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.

CRC SmartWasher®

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

- AsureQuality approved for food/beverage/dairy transport and related contact surfaces SW-3/SW-4 & SW 6.8.
- 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.

Quality Management ISO 9001



Global-Mark.com.au



CRC SmartWasher®

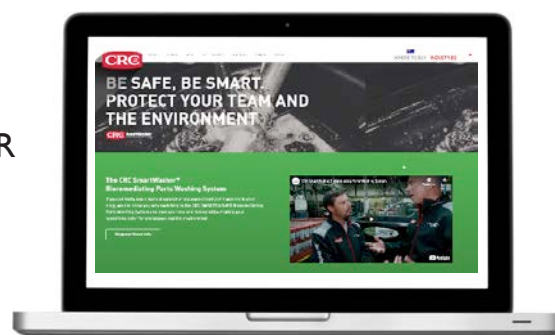
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CRC Industries Technical Hub

WWW.CRCIND.COM.AU/SMARTWASHER

To see the entire range of CRC SmartWashers, visit us online where you have ease of access to all our products' SDS, TDS and allergen certificates. We constantly conduct on-going updates to ensure you remain at the highest level of regulatory compliance.



SmartWasher®

BIOREMEDIATING parts washing system

CRC SmartWasher®

Benefits

- Solvent free
- pH Neutral
- Non-hazardous
- No harmful vapours
- Non-flammable
- Non-toxic
- Non-irritating
- Assists with WorkSafe Australia compliance
- Reduced PPE expenditure
- Assists in ISO 14001 compliance
- Reduced hazardous waste disposal with unique bioremediation technology
- Heated to 42°C to aid cleaning which makes it more pleasant to use
- Over 50,000 in use world-wide
- Safe for use in the Food Industry

CRC SmartWasher®

How it works

THE SMARTWASHER® BIOREMEDIATING PARTS WASHING SYSTEM IS BOTH SELF-CLEANING AND NON-HAZARDOUS.

A proven leader in the parts washing industry and made in the U.S.A., the patented bioremediating SmartWasher® is the ultimate solution to parts washing. The SmartWasher® systems employ a natural process called bioremediation to degrade and remove contaminants from the cleaning fluid, allowing re-use of the cleaning fluid. There is no need to change out the cleaning fluid and therefore no liquid waste.

The patented systems combine three essential components: the parts washer SmartWasher®, the powerful water based degreasing solution called OzzyJuice®, and the microbe impregnated particulate trap called an OzzyMat™. The merging of these three remarkable products not only defines the SmartWasher® system but also produces one truly amazing parts washer.

OZZY® MICROBES INSIDE

How it works

Ozzy® microbes keep the Ozzy Juice® clean and strong. Clean Ozzy Juice® means clean parts.

THE MAGIC STARTS WITH THE OZZYMAT™

The OzzyMat™, (impregnated with Ozzy® microbes), is the key to maximizing the performance of the SmartWasher® system and the Ozzy Juice® degreasing cleaning solution.



THE OzzyMat™ traps particulates down to 50 microns in size but more importantly contains Ozzy® (microbes).

The Ozzy® microbes, impregnated in the OzzyMat™, are transported along with the OzzyJuice® into the SmartWasher® tank. These natural occurring Ozzy® microbes eat the grease, oil, and other contaminants cleaned off the dirty parts and create a harmless by-product of carbon dioxide and water. This bioremediation process leaves the OzzyJuice® clean and strong and ready to use time after time without the need to change, evacuate or haul away dirty parts washing fluid.

Change the OzzyMat™ once a month to maintain clean OzzyJuice®.

Heated OzzyJuice® flows through the nozzle, and flow-through brush, onto the dirty part, then travels through the OzzyMat™ and into the SmartWasher® tank. OzzyJuice® is a powerful, aqueous degreasing solution that is pH-neutral, non-hazardous, non-flammable, and non-toxic. Armed with superior cleaning capability, the OzzyJuice® solutions will match or surpass the performance of a premium solvent without all the associated risks. All OzzyJuice® solutions are certified by NSF.

The 19 litres per minute recirculating pump pulls the OzzyJuice® from the tank and sends it back through the nozzle and brush - ready to clean more dirty parts.

The Ozzy® Microbes do their job eating the grease, oil and other contaminants cleaned off the dirty parts, creating a harmless by-product of carbon dioxide and water, leaving the OzzyJuice® clean and strong and ready to use.

CRC SmartWasher® The Range

SW-23 Mobile Parts Washer

SW-23 - 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.

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 HOPE
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	70 L

SW-23 Optional Startup Kit

CONTAINS	CRC CODE	CRC DESCRIPTION
1 x SW-23 SmartWasher® system, 5 x OzyJuice® 20L, 3 x FL-4 OzyMat™	SW-23	SW-23
	SW-23-1	STARTER KIT SW-23 SW-1 FL-4
	SW-23-4	STARTER KIT SW-23 SW-4 FL-4
	SW-23-6.8	STARTER KIT SW-23 SW-6.8 FL-4



SW-37 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.

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 HOPE
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 Startup 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
	SW-37-1	STARTER KIT SW-37 SW-1 FL-4
	SW-37-4	STARTER KIT SW-37 SW-4 FL-4
	SW-37-6.8	STARTER KIT SW-37 SW-6.8 FL-4
	SW-37-X1	STARTER KIT SW-37 SW-X1 FL-4



SmartWasher® startup kits ship completely assembled with three OzzyMats® and enough OzzyJuice® to get started and keep going for three months.

SW-25 Signature Parts Washer

SW-25 - Fits every budget and has everything you need in a manual parts washer and then some: toggle switch controls, a flow control timer, adjustable thermostat, and a super capacity pump.

Overall Dimensions	1991mm (L) x 737mm (W) x 1016mm (H)
Inside Sink Dimensions	660mm (L) x 432mm (W) x 203mm (H)
Capacity	100 L
Load Capacity	227 kg
Parts Washer Structure	Heavy-Duty HOPE
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-25 Optional Startup Kit

CONTAINS	CRC CODE	CRC DESCRIPTION
1 x SW-25 SmartWasher® system, 6 x OzzyJuice® 20L, 3 x FL-4 OzzyMat™	SW-25	SW-25
	SW-25-1	STARTER KIT SW-25 SW-1 FL-4
	SW-25-4	STARTER KIT SW-25 SW-4 FL-4
	SW-25-6.8	STARTER KIT SW-25 SW-6.8 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 HOPE
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 Startup 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
	SW-28-1	STARTER KIT SW-28SW-1 FL-4
	SW-28-4	STARTER KIT SW-28 SW-4 FL-4
	SW-28-6.8	STARTER KIT SW-28 SW-6.8 FL-4



CRC SmartWasher® Model Comparison Chart



SW-23
Mobile Parts/Brake Washer

SW-25
Signature Parts Washer

SW-28
SuperSink 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	●			●
Detectable Control Box				●
Up to 180kg Load Capacity	●			
Up to 227kg Load Capacity		●	●	
Up to 454kg Load Capacity				●
Certified: ETL (UL/CSA), CE	●	●	●	●



The Professional's Choice

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. **Pack of 3.**



Contaminant Comparison Chart

	PRINTING SOLUTION	HEAVY DUTY DEGREASING SOLUTION	SELECT, METALS, AIRCRAFT & WEAPONS DEGREASING SOLUTION	HIGH-PERFORMANCE DEGREASING SOLUTION
CONTAMINANT	SW-1	SW-4	SW-6.8	SW-X1
Crude Oil	Excellent	Excellent	Good	Superior
Hydraulic Transmission Fluid	Excellent	Excellent	Excellent	Superior
Motor Oil	Excellent	Excellent	Excellent	Superior
Soldering Flux	Excellent	Excellent	Excellent	Superior
Bearing Grease	Good	Excellent	Good	Superior
Automotive Grease	Good	Excellent	Excellent	Superior
Resin Products	Good	Excellent	Excellent	Superior
Fifth Wheel Grease	Good	Excellent	Good	Superior
Creosole	Excellent	Excellent	Good	Superior
Impacted Grease	Good	Excellent	Good	Superior
Animal Fat	Good	Excellent	Fair	Excellent
Automotive Varnish	Excellent	Good	Good	Superior
Burnt on Carbon	Excellent	Excellent	Good	Superior
Cutting Oils	Excellent	Good	Good	Superior
Ink & Toner	Excellent	Good	Fair	Good
Asphalt	Good	Good	Fair	Good
OZZYMAT™	Multi-Layer	Normal to heavy particulate		

CRC SmartWasher® Ozzy Extras

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 SVV-23 and SVV-37.

1685-BRUSH Straight Brush Replacement

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



CRC SmartWasher®

Ozzy Apple Scent™

3310 - SCENT

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-23

Mobile Parts/Brake Washer Cover



SW-25

Signature Parts Washer Cover



SW-28

SuperSink Parts Washer Cover



SW-37

Mobile Heavyweight Parts Washer Cover

What is BIOREMEDIATION?

Bioremediation is the use of biological agents such as microbes or plants to break down or neutralise “hazardous substances” or “contaminants” thereby removing dangerous chemicals in the environment.

The science of bioremediation is listed as one of the Environmental Protection Agency's (EPA) innovative technologies.

How do I know the SmartWasher® is safe to use?

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 not known to cause damage to humans or the environment. When used in accordance with directions they DO NOT create liquid hazardous wastes or produce cradle-to-grave liabilities.

Who and what is Ozzy®?

Ozzy® is the name we selected for the blend of nonpathogenic (harmless to humans) microbes in the SmartWasher® system. Our microbes, Ozzy® and his friends, eat potentially harmful hydrocarbon wastes in the SmartWasher® and transform these wastes into very small quantities of carbon dioxide and water. Similar types of microbes have been used for many years in various bioremediation applications, such as oil spills, including the clean up after the Exxon Valdez oil spill in March of 1989.

Can I simply add water to the SmartWasher® to adjust the fluid level?

NO. Adding water will dilute the OzzyJuice®, severely impacting its performance.

How well does OzzyJuice® clean?

OzzyJuice® is extraordinarily powerful and cleans extremely well. OzzyJuice® is a surfactant that breaks down the surface tension between the grease and the part rather than dissolving it; the grease actually lifts off the parts leaving behind clean surfaces. Note that while OzzyJuice® cleans differently than dangerous solvents or mineral spirits, it cleans just as well.

What color should the OzzyJuice® be?

As the OzzyJuice® is used to wash grease and oil from parts the color of the fluid will become dark. THIS IS NORMAL: while the OzzyJuice® appears to be “dirty”, it has simply been dyed by the artificial colorings used in greases and oils.

Why doesn't OzzyJuice® damage my hands like solvents?

OzzyJuice® is a pH-neutral, non-caustic, water-based formula that will not dry, crack or irritate the skin. Solvents are caustic and pull fat cells from the skin, possibly causing extreme drying, redness, blisters, and other dermatological problems.



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