

INDUSTRIAL PARTS WASHING SYSTEMS

THE SAFEST AND MOST EFFICIENT ALTERNATIVES TO TOXIC SOLVENTS



“Only the best”

BIO-CIRCLE[®]

*A division of
Walter Surface Technologies*

INNOVATIVE. POWERFUL. ECONOMICAL.

Environmentally friendly industrial cleaning solutions.

Bio-Circle, a division of Walter Surface Technologies, produces powerful cleaners and degreasers, as well as bio-remediating and bio-renewable industrial parts washing systems. We are your expert resource in environmental cleaning solutions for the industrial world.

100%
non-toxic
non-flammable
VOC-free
biodegradable
cleaning solutions

THE BIO-CIRCLE INDUSTRIAL PARTS WASHING SYSTEMS

The safest and most efficient solution for companies seeking cost-effective green cleaning technology. Bio-Circle parts washing systems drastically reduce chemical waste, and are a proven alternative to traditional solvent cleaners. Bio-Circle machines eliminate regulatory paperwork and the need for respiratory and ventilation equipment associated with solvent-based cleaning systems.

Our Parts Washing System Technologies

Bio-remediating or **Bio-renewable**, both industrial parts washing systems offer equally powerful technologies to satisfy your particular cleaning needs.

BIO-REMEDATING

Bio-Circle offers three distinct **bio-remediating** industrial parts washing liquids.

Our bio-remediating family of cleaners contain live micro-organisms that **ingest oils and other organic contaminants, turning them into water and carbon dioxide.**

This system **significantly reduces waste and disposal costs**, and is maintained and serviced by our team of CARE™ Technicians.

Bio-remediating liquids **maintain their cleaning power over time**, an economical and environmental advantage over toxic solvents and weaker water based systems.

BIO-RENEWABLE

Bio-renewable cleaning liquids are powered by **Nature Boost™**, an exclusive and powerful ingredient derived from plant-based extracts.

Bio-renewable solutions keep their full cleaning power **over a longer period of time** than toxic solvents. These liquids consistently outlast toxic solvents; because the oil separates and floats to the surface, allowing you to skim the residue off the top of your tank.

Perfect for manual parts washing applications.

Extremely effective at room temperature – helping save you money. Bio-renewable liquids are 100% non-toxic, VOC-free and non-flammable.

Bio-renewable liquids are the ideal choice for **the most heavy-duty, hard-to-clean and organic contaminants.**



Nature Boost

BIO-REMEDIATING LIQUIDS

BIO-CIRCLE L

The right solution for any application

Its fast and thorough cleaning performance has allowed Bio-Circle L to differentiate itself from many other natural cleaning solutions. Bio-Circle L is a non-solvent solution and is VOC-free.



Size		Order No.	MSDS	Std pkg	Price
Metric	US Gal				
20 L	5.2 gal	55-A 007	L-78E	1	\$215.00
208 L	55 gal	55-A 008	L-78E	1	\$1903.85

BIO-CIRCLE AERO

Cleaning liquid for the aerospace industry

Aeronautics customers with stringent requirements specific to the industry choose Bio-Circle AERO liquid. Also perfect for aluminum and other sensitive alloys. This liquid conforms to Boeing D6-17487 revision R, Douglas Aircraft company CSD No.1 (Type I), AMS 1526C.



Size		Order No.	MSDS	Std pkg	Price
Metric	US Gal				
20 L	5.2 gal	55-A 207	L-161E	1	\$225.70
208 L	55 gal	55-A 208	L-161E	1	\$2073.10

BIO-CIRCLE ULTRA

Powered by Nature Boost™!

Bio-Circle ULTRA is the perfect solution to remove the toughest contaminants like bitumen and crude oil. Our only bio-remediating liquid that also has the power of Nature Boost, ULTRA is the ultimate heavy-duty cleaning liquid.



Size		Order No.	MSDS	Std pkg	Price
Metric	US Gal				
20 L	5.2 gal	55-A 107	L-148E	1	\$293.90
208 L	55 gal	55-A 108	L-148E	1	\$2600.50

Which Liquid is Right for Me?

Solution Category	Product	Description	Applications
Bio-REMEDIATING: These solutions contain micro-organisms that break down oils and greases into CO ₂ and H ₂ O, with ZERO waste products to dispose of. <i>To be used with BIO-CIRCLE industrial parts washers.</i>	Bio-Circle L	Standard renewing solution for carbon-based (organic) light oils and greases.	<ul style="list-style-type: none"> Manual parts washing General maintenance shops, with organic contaminants
	Bio-Circle AERO	Renewing cleaner designed to meet tough aerospace standards and for cleaning aluminum and nonferrous alloys.	<ul style="list-style-type: none"> Manual parts washing Aerospace component manufacturers Airport maintenance departments
	Bio-Circle ULTRA	Heavy-duty renewing cleaner for steel and stainless steel parts. Powered by Nature Boost for added strength.	<ul style="list-style-type: none"> Manual parts washing Machine parts maintenance Vehicle and fleet maintenance Industrial maintenance



BIO-RENEWABLE LIQUIDS

CB100

Ultra-powerful natural cleaner and degreaser

CB 100 is the next generation of cleaning technology – today. Powered by Nature Boost, it boasts superior cleaning results when challenged with the removal of: heavy greases, paint, food residues, pastes/solid lubricants, crude oil and many hard-to-remove industrial contaminants CB 100 is compatible with steel and stainless steel.



CB100 ALU

Designed for aluminum and non-ferrous alloys

Designed for aeronautics customers with stringent requirements, CB 100 ALU is powered by Nature Boost technology and is specially designed for cleaning aluminum and other sensitive alloys. Similar to the original CB 100 cleaning solution, this ultra-powerful natural cleaner and degreaser also replaces the need for large quantities of solvents and petroleum-based products.



Size		Order No.	MSDS	Std Pkg	Price ea.
Metric	US Gal				
3.78 L	1 gal	53-G 165	L-155E	1	\$51.30
20 L	5.2 gal	53-G 167	L-155E	1	\$245.00
208 L	55 gal	53-G 168	L-155E	1	\$2165.00

Size		Order No.	MSDS	Std Pkg	Price ea.
Metric	US Gal				
3.78 L	1 gal	53-G 125	L-158	1	\$51.30
20 L	5.2 gal	53-G 127	L-158	1	\$245.00
208 L	55 gal	53-G 128	L-158	1	\$2165.00

Which Liquid is Right for Me?

Solution Category	Product	Description	Applications
Bio-RENEWABLE: The Nature Boost™ family of cleaners: perfect for all heavy-duty and synthetic contaminants and works exceptionally well at room temperature.	CB 100	Heavy-duty cleaner for steel and stainless steel parts that removes ink, adhesive, synthetic oils, heavy grease and other tough contaminants.	<ul style="list-style-type: none"> • Manual parts washing • All immersion baths and dipping processes • Production process cleaning • Heavy-duty cleaning • Hard-to-reach contaminants
	CB 100 ALU	Designed to clean tough contaminants from aluminum and non-ferrous alloys, synthetic oils and inorganic contaminants.	<ul style="list-style-type: none"> • Manual parts washing • All immersion baths and dipping processes • Production process cleaning • Heavy-duty cleaning • Hard-to-reach contaminants

BIO-REMEDIATING MACHINES

BIO-CIRCLE COMPACT S

Efficient size for your toughest cleaning jobs

The Bio-Circle COMPACT S is an ideal cleaning system for maintenance, repair and overhaul (MRO), and machine shops. A powerful addition to any industrial tool box.



BIO-CIRCLE MAXI

Maximum cleaning power for a complete range of applications

The Bio-Circle MAXI is our most versatile system for a wide range of cleaning applications.



DIMENSIONS L x W x H	MAX TANK CAPACITY	LOAD CAPACITY
90 cm x 60 cm x 112 cm (35" x 24" x 44")	120 L (31.7 gal)	100 Kg (220 lbs)

DIMENSIONS L x W x H	MAX TANK CAPACITY	LOAD CAPACITY
97 cm x 69 cm x 110 cm (38" x 27" x 43")	140 L (37 gal)	220 Kg (500 lbs)

STAINLESS STEEL SINK EXTENTION FOR BIO-CIRCLE MAXI

Ideal for heavy and oversized parts

The perfect extension for your Bio-Circle MAXI industrial parts washer if you need to clean larger and heavier metal parts. This sink extension can be easily installed onto your Bio-Circle MAXI parts washer, giving you added space and strength for those larger metal pieces.

Order no. 55-B 046

Overall dimensions (L x W x H):
151.9 cm x 104.6 cm x 115.6 cm (59.8" x 41.2" x 45.5")



Which Parts Washer is Right for Me?

Solution Category	Product	Description	Applications
Bio-REMEDIATING:	COMPACT S	A compact unit with an optional dolly for mobile cleaning; perfect for work stations. Load capacity = 220 lbs/100 kg	<ul style="list-style-type: none"> • Manual parts washing • Small-medium sized metal pieces • MRO departments
	MAXI	Most versatile system, with the load capacity to accommodate heavy industrial parts. Load capacity = 500 lbs/220 kg	<ul style="list-style-type: none"> • Manual parts washing • Medium-large sized metal pieces • MRO departments • Process cleaning applications • OEM parts cleaning
	MAXI – Stainless Steel Sink Extension	Sink extension provides a larger surface and greater load capacity for handling the heaviest metal parts. Load capacity = 1000 lbs/440 kg	<ul style="list-style-type: none"> • Manual parts washing • Large metal pieces (often using cranes or lifts) • Stationary

BIO-RENEWABLE MACHINES

CLEANBOX FLOW MOBILE

The CleanBox Flow Mobile consists of a flow-through cleaning brush, a tank, a pump, and a cart for mobility. This new mobile cart is a sturdy unit that is easy to assemble and powder-coated to prevent rusting. With storage space at the base of the unit, it allows you to carry all your cleaning needs in one place! Combining mobility and functionality into one solution!

Features:

- Lower shelf can easily hold 2 X 20 L pails of CB 100
- Equipped with 4 casters (two with locking brakes)
- Available without industrial cart, for table or bench-top use



CLEANBOX DIP + MOBILE

For pre-soaking applications

The CleanBox Dip is the perfect pre-soaking solution to remove caked-on contaminants; it contains a robust plastic shell, with a strainer and lid. When filled with our Nature Boost family of liquids, the CleanBox Dip is ready to receive heavily contaminated industrial parts. Within hours, grease, sludge, caked-on contaminants and even paint are removed effortlessly and ready for final cleaning in any Bio-Circle industrial parts washing system.



Which Parts Washer is Right for Me?

Solution Category	Product	Description	Applications
Bio-RENEWABLE:	CleanBox FLOW & Mobile	The most cost-effective and portable option for cleaning small parts; for use with our Nature Boost family of cleaners, and others. Flow-through brush system; industrial cart makes system easily mobile.	<ul style="list-style-type: none"> • Manual parts washing • Maintenance, repair and overhaul shops • Easy-to-move cleaning station • Small metal parts cleaning
	CleanBox DIP & Mobile	Perfect for pre-soaking and immersion cleaning for small parts; for use with our Nature Boost family of cleaners, and others. Available dolly makes it easily mobile.	<ul style="list-style-type: none"> • Manual parts cleaning • Maintenance, repair and overhaul shops • Small parts washing • Pre-soaking • Immersion applications

BIO-REMEDIATING MACHINES KIT OFFERS

20L offers

BIO-CIRCLE COMPACT S



COMPACT S			For Heavy-Duty Contaminants	
Liquids	L	AERO	ULTRA	CB100/CB100 ALU
System Technology	Bio-Remediation	Bio-Remediation	Bio-Remediation	Bio-RENEWABLE
Order no.	55D350RC	55D350RCA	55D350RCU	55C350NB
Installation Bio-Circle Liquid pail	5	5	5	5
Additional pails included	1	1	1	1
CARE visits	3	3	3	3
Prices	\$2030.00	\$2090.00	\$2480.00	\$2230.00

BIO-CIRCLE MAXI



MAXI			For Heavy-Duty Contaminants	
Liquids	L	AERO	ULTRA	CB100/CB100 ALU
System Technology	Bio-Remediation	Bio-Remediation	Bio-Remediation	Bio-RENEWABLE
Order no.	55-D 600RC	55-D 600RCA	55-D 600RCU	55-C 600NB
Installation Bio-Circle Liquid pail	6	6	6	6
Additional pails included	2	2	2	2
CARE visits	4	4	4	4
Prices	\$2580.00	\$2650.00	\$3120.00	\$2820.00

About our CARE Service (see details on page 10)

Choosing Bio-Circle means choosing peace of mind. CARE Service ensures you receive the highest quality technical support for your Bio-Circle system. With CARE, the quality, reliability, and efficiency of Bio-Circle industrial parts washers is guaranteed. Our technicians visit the end-user and perform preventative maintenance on the Bio-Circle machines, to make sure they are always working their best.

208L offers

BIO-CIRCLE COMPACT S



BIO-CIRCLE L



BIO-CIRCLE AERO

OR



BIO-CIRCLE ULTRA



CB 100/CB 100 ALU

OR

COMPACT S

	For Heavy-Duty Contaminants			
Liquids	L	AERO	ULTRA	CB100/CB100 ALU
System Technology	Bio-Remediation	Bio-Remediation	Bio-Remediation	Bio-RENEWABLE
Order no.	55D350DC	55D350DCA	55D350DCU	55C350NBD
Installation Bio-Circle Liquid pail	1	1	1	1
Additional Pails Included	1	1	1	1
CARE Visits	3	3	3	3
Prices	\$2909.00	\$3088.00	\$3681.00	\$3170.00

BIO-CIRCLE MAXI



BIO-CIRCLE L



BIO-CIRCLE AERO

OR



BIO-CIRCLE ULTRA



CB 100/CB 100 ALU

OR

MAXI

	For Heavy-Duty Contaminants			
Liquids	L	AERO	ULTRA	CB100/CB100 ALU
System Technology	Bio-Remediation	Bio-Remediation	Bio-Remediation	Bio-RENEWABLE
Order no.	55-D 600DC	55-D 600DCA	55-D 600DCU	55-C 600NBD
Installation Bio-Circle Liquid pail	1	1	1	1
Additional Pails Included	2	2	2	2
CARE Visits	4	4	4	4
Prices	\$3254.00	\$3433.00	\$4041.00	\$3515.00





Bio-Circle Environmental Solutions ensures the highest quality technical service and support through CARE. With CARE service, the quality, reliability and efficiency of Bio-Circle industrial parts washers is guaranteed. Our technicians visit the customer and perform preventative maintenance on the Bio-Circle systems. Choosing Bio-Circle means choosing peace of mind.

What does CARE Service include?

- ▶ Written report after each visit
- ▶ Solution pH analysis
- ▶ Solution temperature verification
- ▶ Cleaning / Replacement of the filter cartridge
- ▶ Replacement of air diffusers
- ▶ Replacement of hand brushes
- ▶ Complete solution filtration
- ▶ Gaskets verification
- ▶ Filter housing inspection
- ▶ Hoses and connections verification
- ▶ Cleaning of the pump
- ▶ Float switch inspection
- ▶ Mushroom button verification
- ▶ Air pump verification
- ▶ Recycling of used pails
- ▶ Heater module verification
- ▶ Overall visual inspection
- ▶ Inside and out cleaning
- ▶ Top-up of cleaning liquid*

** Liquid sold separately.*

Use of the Bio-Circle Industrial Parts Washer*	Included
Number of service calls per year	3 or 4 depending on your model
Filtration of parts washing liquid	Included
Maintenance of the efficiency and performance of your liquid**	Included
21-point maintenance inspection and cleaning	Included
Written summary report	Included
Filter cartridges	Included
Air diffusers	Included
Hand brushes	Included
Top-up of parts washing liquid	Included

* Bio-Circle industrial parts cleaning system remains the property of Walter Surface Technologies.

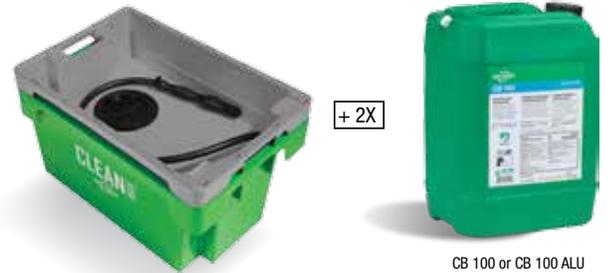
** Walter is not responsible for the inappropriate disposal of contaminants in any Bio-Circle system, which would lead to the deterioration of the Bio-Circle liquid.

BIO-RENEWABLE MACHINES KIT OFFERS

CLEANBOX FLOW KIT

Order no. 53-G 995 **\$761.00**

The Cleanbox Flow comes equipped with: a sink and flow-through cleaning brush, a basin and pump and two 20L of CB 100 ultra-powerful natural cleaner and degreaser.



CLEANBOX FLOW MOBILE KIT

Order no. 53-G 994 **\$999.50**

The Cleanbox Flow Mobile kit consists of a sink and flow-through cleaning brush, a basin and pump, a cart for mobility and two 20L of CB 100 ultra-powerful natural cleaner and degreaser.



CLEANBOX DIP MOBILE KIT

Order no. 53-G 992 **\$899.50**

The Cleanbox Dip comes equipped with: three 20L of CB 100 ultra-powerful natural cleaner and degreaser and with one industrial pump sprayer.



CLEANBOX DIP KIT

Order no. 53-G 993 **\$577.00**

The Cleanbox Dip comes equipped with: three 20L of CB 100 ultra-powerful natural cleaner and degreaser and with one industrial pump sprayer.



BIO-REMEDICATING MACHINES ACCESSORIES

Parts washing basket

- 9" dia. x 8 1/4" high
- 1/4" holes

Order no. 55-B 004 - \$58.25



Angled flow-through brush

Order no. 55-B 007 - \$38.85



Sink lid

- For MAXI:

Order no. 55-B 032 - \$262.40



Replacement flow-through brush

Order no. 55-B 005 - \$34.65



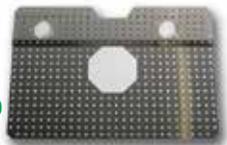
Stainless steel sink insert

- For MAXI:

Order no. 55-B 031 - \$235.10

- For Compact S:

Order no. 55-B 045 - \$205.00



Trolley

- For MAXI:

Order no. 55-B 062 - \$829.25



Filter cartridges

- Disposable 200 micron:
Order no. 55-B 021 - \$16.00
- Disposable 100 micron:
Order no. 55-B 012 - \$15.75
- Reusable 100 micron:
Order no. 55-B 036 - \$141.75
- Reusable 150 micron:
Order no. 55-B 037 - \$134.35
- Reusable 200 micron:
Order no. 55-B 038 - \$140.65
- Reusable 350 micron:
Order no. 55-B 011 - \$129.15



Disposable filter bags for Bio-Circle machines

- 50 micron:
Order no. 55-B 041 - \$76.60
- 100 micron:
Order no. 55-B 042 - \$73.50
- 200 micron:
Order no. 55-B 043 - \$74.50



Filter housing spanner

- For MAXI:

Order no. 55-B 035 - \$11.70



Small industrial parts washing basket

Order no. 55-B 087 - \$57.75



Bio-Circle COMPACT S dolly

Order no. 55-B 089 - \$367.40



Bio-Circle COMPACT S filter bowl

Order no. 55-B 088 - \$152.20



Bio-Circle scraper

Order no. 55-B 063 - \$26.25



Bio-Circle parts drying gun

Order no. 55-B 085 - \$73.50



Stainless steel sink extension for Bio-Circle MAXI

Order no. 55-B 046 \$7990.00

The perfect extension for your Bio-Circle MAXI industrial parts washer if you need to clean larger and heavier metal parts. This sink extension can be easily installed onto your Bio-Circle MAXI parts washer, giving you added space and strength for those larger metal pieces.



- Ideal for heavy and oversized parts
- Max. weight: 1000Lbs
- Overall dimensions (L x W x H):
151.9 cm x 104.6 cm x 115.6 cm (59.8" x 41.2" x 45.5")
- Max tank capacity 120 L (31.7 gal)

BIO-RENEWABLE MACHINES ACCESSORIES

CleanBox Dip dolly
Order no. 55-B 083 - \$104.95



CleanBox lid
Order no. 55-B 122 - \$29.20



CleanBox Flow 2-level cart
Order no. 55-B 090 - \$395.00



Wave breaker
Order no. 55-B 091 - \$130.00

The wave breaker is a new optional piece that can be added to your CleanBox Flow to prevent your cleaning solution from displacing while your unit is in motion.



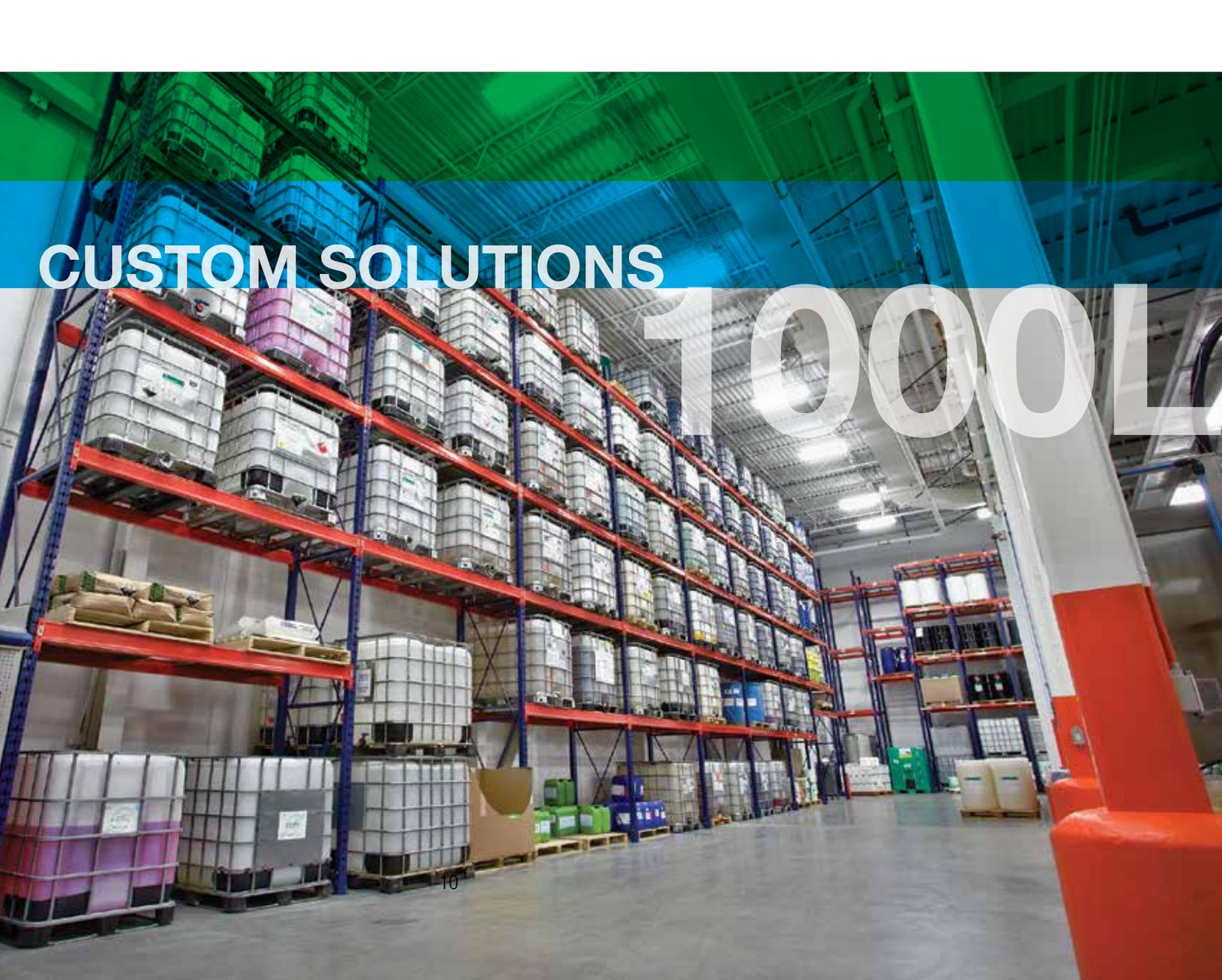
BIO-CIRCLE POWERCLOTH™

- Ideal for streak free clean-ups
- Non-abrasive, won't scratch mirror finish, paint or clear coat



Description	Qty	Order No.	Price
Bag	10 per pack	57-M 001	\$26.80
Box	50 per pack	57-M 005	\$120.70
Case	100 per pack	57-M 010	\$215.15





CUSTOM SOLUTIONS

1000L

Bio-Circle's state-of-the-art manufacturing facility can produce the ideal solution for your specific needs. We produce in bulk quantities, from 208L barrels to 1000L totes. The ability to satisfy specific, high-volume surface treatment and cleaning needs, makes Bio-Circle the clear choice for all manufacturing process applications. For all cleaning requirements and any production process application, our team of experts will provide you with the perfect, custom solution – helping to reduce toxicity and maximize your overall productivity.

Contact your Bio-Circle representative for more information.

SOLVENT CONVERSION PROGRAM

Let Bio-Circle “Tank Over” All of Your Cleaning Applications

The most efficient and safest alternative to toxic solvents – **for all of your dipping, immersion and process cleaning** requirements!

The Bio-Circle **Solvent Conversion Program** means you can benefit from the safe and efficient cleaning power of our **Bio-renewable** liquids in your existing solvent parts washer. Whether in parts washing systems or immersion tanks, Bio-Circle representatives will work with you to find the perfect solution for your particular cleaning needs.

The **Bio-renewable** family of Nature Boost™ liquids are the perfect non-toxic solution for your dipping or immersion cleaning applications, within the manufacturing process or in your existing solvent tanks! Trust Nature Boost for the perfect clean with absolutely no residue left behind, and no more difficulties managing toxic materials disposal.

Safety, efficiency, and economic benefit – that’s the bottom line!

CB 100 and CB 100 ALU, for aluminum and other sensitive alloys, are extremely powerful, and they keep working at **100% power for much longer** than traditional solvents. With no need for continuous disposal and replenishment, they will also **help you save money**. Simply skim the separated oils, greases, and other contaminants which rise effortlessly to the top of your dipping tanks, and enjoy the consistent performance of the next generation of cleaning technology.

Contact your Bio-Circle representative for more information.



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biocircle.com



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