MANUAL PARTS CLEANING

INTELLIGENT PARTS CLEANING



Bio-Circle Surface Technology GmbH Manual Parts Cleaning – EN - AL04/2026

BIO-CIRCLE®

bio-circle.com

BIO-CIRCLE®

VISION

WE FOR YOU



Bio-Circle Online Shop 24/7:
Order around the clock

More info in our shop!

THINK HOLISTICALLY. ACT SUSTAINABLY.

Bio-Circle Surface Technology GmbH – your reliable partner for industrial products for **cleaning, welding, protecting, and lubricating.**

Environmentally friendly and user-friendly. For manual and automatic parts cleaning. With 40 years of know-how and experience in research, product development, process optimization, sales, and service.

With a global network and with production sites and partners. With around 190 employees, the Gütersloh site is the Bio-Circle headquarters. All products are developed and manufactured here for Germany, Europe and beyond. Made in Germany.

SUSTAINABILITY AND QUALITY

Aware of our responsibility for the environment, we introduced an environmental management system **as early as 1996**, which has been **continuously certified by LRQA** in accordance with the requirements of the **globally valid DIN ISO 14.001 standard. Since 2020**, we have also participated in ecovadis – the independent sustainability ranking for companies – and have had ourselves evaluated.
With our activities in the field of sustainability, labour and human rights, ethics, and sustainable procurement, we were **once again** able to achieve the **ecovadis Bronze Ranking in 2025**.

As a sustainably-minded company, we not only attach great importance to the best product performance, but also to the best environmental compatibility.

SET HIGH STANDARDS!

The way the company works is reflected in the six building blocks of the circle. They are constantly reviewed and optimized. Transparency and sustainability are the basis of all these building blocks that interlock like cogwheels. Bio-Circle products cannot save the world, but they can contribute to the conscious treatment of the environment and our fellow human beings.

A clean world with you at the centre – this vision has shaped the company's thoughts and actions for 40 years. Especially nowadays there is a lot of talk about sustainability. But the only thing that counts is to act sustainably.



Sustainable raw materials

As a manufacturer of industrial cleaners and cleaning systems, Bio-Circle has a great responsibility. After all, these products have a high value in the maintenance of machines, plants, and components. They are an important part of the production chain in every industry. We take a close look and use sustainable raw materials to produce **environmentally friendly and user-friendly industrial cleaners.**



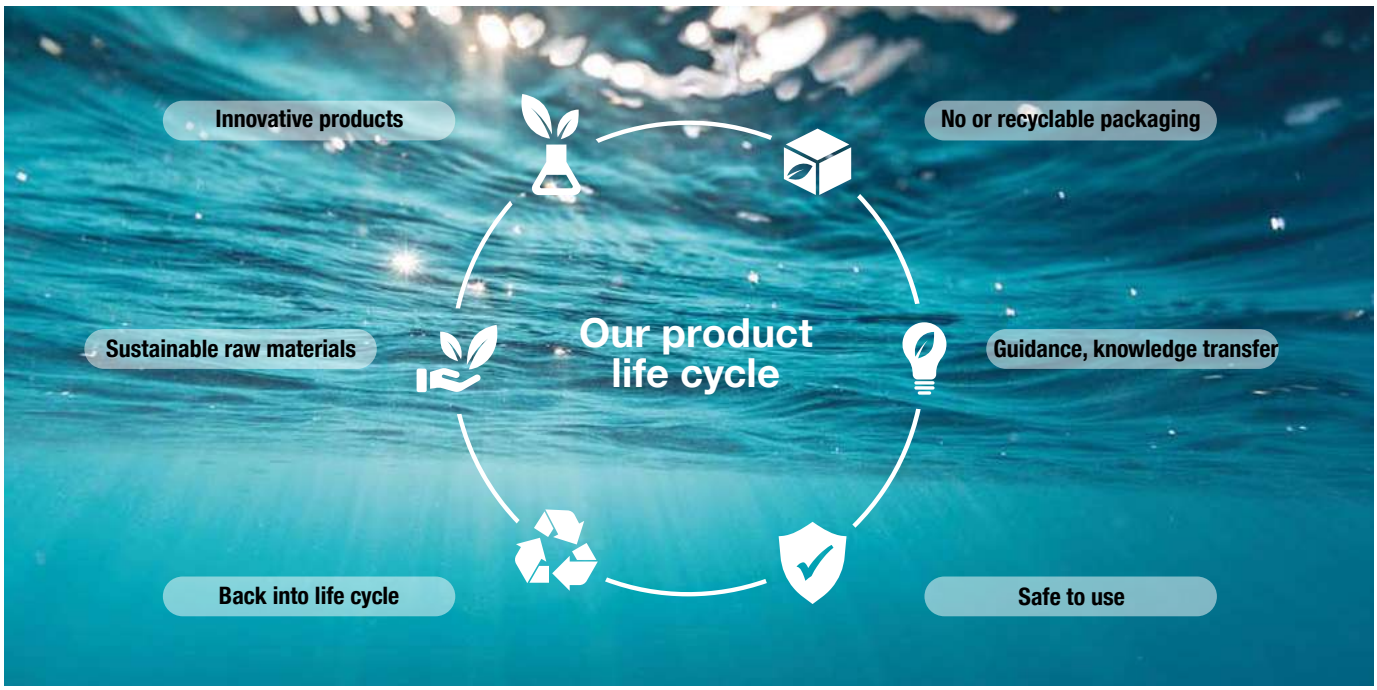
Innovative products

Bio-Circle has always been committed to sustainability in an industry where the harmful effects of solvents on the environment, humans and animals are still being glossed over. Our innovative products for the cleaning sector stand for **safe application** in manual and automatic parts cleaning.
We are pioneers, we do things differently and we walk a straight path. We formulate and produce industrial cleaners that are non-labelled and low-labelled. In our own laboratory and in our own production facilities.



No or recyclable packaging

The piles of rubbish are getting higher and higher, the plastic vortexes in the oceans are getting bigger and bigger. These are just two problems – we all know that. When it comes to packaging, Bio-Circle is constantly moving forward and developing.
The best bottle is no bottle, because refillable application systems are the solution – they make bottles dispensable! And if there's no other way, we have recyclable 500 ml PET bottles made from **100% recycled material**.
To make your work easier, cleaners in IBCs and 200-litre drums can be transferred into 20-litre jerrycans with hand pumps. Of course, the IBCs, drums and jerrycans are made of the **easily recyclable** plastic HDPE.
In **shipping,** only **recycled and recyclable paper** that has been awarded the **'Blue Angel'** eco-label is used as filling material. In addition, we ship **CO_2-neutral** through our parcel service provider and our freight forwarder.



Sound advice and knowledge transfer

We share our experience and know-how with you so that you can clean easily, quickly, safely, cost-efficiently and in an environmentally friendly way.
You have questions, we provide answers. If you are satisfied with the cleaning performance and with your work, if we have been able to optimise your work processes – then we are satisfied too.

Safe to use

Working with non-labelled and low-labelled industrial cleaners and recirculating cleaning equipment can trigger a domino effect:
For the company, the longer service lives, the reduced health and safety measures and the increased productivity are just a few reasons to be happy about savings because **costs are reduced**.
The user, who has **more fun and motivation at work**, feels fitter because they are exposed to far fewer pollutants and toxic fumes, and they are happy about a better quality of life. For both sides, there is also the **time saving**. Not only thanks to the effectively cleaning industrial cleaners, but also because of the energy-saving, recirculating parts washers.

Back into the life cycle

At Bio-Circle, we live and breathe life cycle thinking. **We place great emphasis on sustainability in production and application.** Longer service lives and VOC-free or VOC-reduced cleaners reduce your disposal effort and make it safer.

MAKING GREEN WORK.

WE GIVE YOU MORE

To make you happy

More optimal cleaning processes

Your process optimization is important to us! We take you and your cleaning problem seriously and offer you individual solutions. We come to you, or you come to us in Gütersloh for cleaning trials.

More occupational safety

Reduce VOCs and hazardous substances in your cleaners! Protect your employees and the environment. We show you new possibilities in the world of cleaning.

More profitability

Identify your savings potential in your cleaning processes. Lower storage- and disposal costs due to long service lives and non-labelled cleaners speak for themselves.

THE PIONEER

Continuous improvement of existing products. Development of new, alternative cleaning agents.

- **Essential:** the product performance
- **Elementary:** the reduction of volatile organic compounds = solvents (VOC)
- **Topical:** the reduction of hazardous substances
- **Crucial:** environmental compatibility
- **Vital:** occupational safety
- **Comprehensive:** the certifications (NSF, ISO 14001, Ecovadis)
- **Intelligent:** the new BIO-CIRCLE-isi technology for our parts washer

Any questions?

We are already looking forward to providing you with help and advice.

bio-circle.com



AT A GLANCE

Your page references

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MANUAL



BIO-CIRCLE parts washer

Systems for natural, biological parts cleaning

p. 10



BIO-CIRCLE HP-isi

The parts washer with flow brush yet the cleaning power of high-pressure cleaning

p. 18



HP Vigo

Manual high-pressure cleaning for all needs

p. 19



CLEAN BOX

The mobile solution for parts cleaning

p. 20



PROLAQ

Cleaning of painting tools and spray guns

p. 22



VARIO SL Compact

Parts washer with flow brush for removing water-resistant contaminations

p. 28

	pH value (Values from MSDS)	VOC content in %	Flashpoint in °C	BIO-CIRCLE parts washer	BIO-CIRCLE HP	HP Vigo	PROLAQ	Vario SL	Steel/Stainless steel	Aluminium	Non-ferrous metals	Plastics	Painted surfaces	Zinc-coated surface	Hazardous substance symbol	VOC-free	VOC-reduced	NSF	Label-free	Page
BIO-CIRCLE L	8.5	0	-	■					■	▒	▒	■	■	■	-	VOC free	-	NSF	◇	17
BIO-CIRCLE L Evo	8	0	-	■	■	■			■	■	■	■	■	■	-	VOC free	-	NSF	◇	16
BIO-CIRCLE L Ultra	8.5 – 9.5	0.2	-	■	■	■			■	▒	▒	■	■	■	-	VOC free	-	NSF	◇	17
CB 100	10.8	0	-	■	■	■			■	▒	▒	▒	▒	▒	-	VOC free	-	NSF	◇	21
CB 100 Alu	8.6	0	-	■	■	■			■	■	■	▒	▒	■	-	VOC free	-	NSF	◇	21
FOR CLEAN F	9	0	-		▒	▒		■	■	■	■	■	■	■	-	VOC free	-	NSF	◇	21
GS 200	-	19	118				■	■	■	■	■	▒	▒	■	-	-	VOC reduced	NSF	◇	29
GS 300	-	19	91.5				■	■	■	■	■	▒	▒	■	-	-	VOC reduced		◇	29
OMNI 200	-	0	240				■	■	■	■	■	▒	▒	■	-	VOC free	-	-	◇	29
PROLAQ L 300	8.3	20.9	95			■	■	■	■	■	■	▒	▒	■	-	-	-	-	◇	25
PROLAQ L 400	-	46.4	63				■	■	■	■	■	▒	▒	■	-	-	-	-	◇	24
PROLAQ L 500	-	8.4	61-65				■	■	■	■	■	▒	▒	■	⚠	-	VOC reduced	-	-	24
BIO-CIRCLE Maxi stainless-steel tops																				25
Multi Box GT Compact																				12
PROLAQ conversion kit																				14
BIO-CIRCLE Service and Cleaning																				26
Accessories BIO-CIRCLE parts washer																				15
Accessories / Chemical Products																				31
Accessories PROLAQ																				27

■ recommended ▒ limited use □ not usable

MANUAL CLEANING SYSTEMS

Sustainable cleaning in the industry

Cleaning work is an integral part of most industries. Whether in areas such as maintenance, plastic injection moulding, food processing, transport, logistics, automotive, CNC, skilled trades, energy, agricultural technology or forestry, soiling is an issue everywhere.

As a manufacturer, we always strive to meet growing demands and find the best cleaning method for our customers. **Our cleaning products help every industrial company save time and maintain quality, as well as make the process within the value chain simpler and more cost-effective.**

More than 80 % of the cleaners we produce are label-free in accordance with the CLP Regulation. The cleaning performance is extremely powerful and the cleaners are versatile. They are advocates for topics such as occupational safety, environmentally friendly and user-friendly application, and the reduction of hazardous substances in the workplace.





BIO-CIRCLE-iSi-TECHNOLOGY

An intelligent system in action

BIO-CIRCLE iSi technology has it all.
The latest upgrade to our classic product offers you everything you have always wanted:

Maximum safety, the highest cleaning quality, minimal downtime.
Your intelligent BIO-CIRCLE iSi parts washer and BIO-CIRCLE HP-iSi are always ready for use and offer consistent, top cleaning quality. We take care of everything, so you can sit back and relax.

Your advantages:

- **The basin is always ready for use – without you having to do anything**
- **You don't have to worry about a thing**
- **Plannable processes, less downtime**
- **Optimal cleaning results**

BIO-CIRCLE iSi technology monitors the condition of the system, the fill level and temperature of the cleaner, and the oxygen supply to the microorganisms. Our customer service team will contact you and suggest appropriate next steps – without you having to check and react yourself.
We are there for you. The iSi system monitors itself. Data protection is a standard feature.



Gefördert durch:
Bundesministerium für Wirtschaft und Energie
aufgrund eines Beschlusses des Deutschen Bundestages

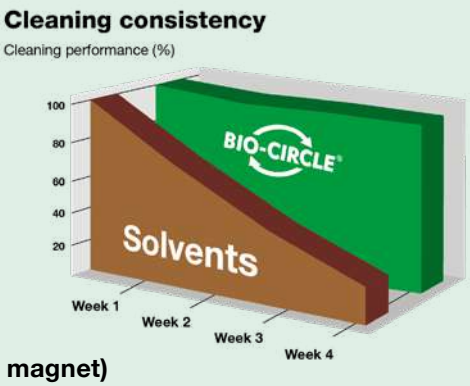
BIO-CIRCLE PARTS WASHER

25 years of pleasure in cleaning

For decades, the BIO-CIRCLE parts washer has been our centrepiece in parts cleaning. The latest upgrade to our classic model offers you everything you have always wanted: with **BIO-CIRCLE iSi technology**, your parts washer is **always ready for use** and delivers **consistent, top-quality cleaning** without you having to worry about a thing.

Convenient, economical, safe, user-friendly, environmentally friendly

BIO-CIRCLE For U and BIO-CIRCLE GT-i Maxi



Difference between the two devices: size and payload

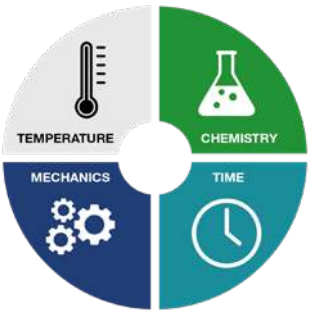
- **BIO-CIRCLE-iSi-technology, installed as a powerful chip in the control box of the BIO-CIRCLE GT-i Maxi and BIO-CIRCLE For U parts washer**
- **Easy transport by means of a pallet truck**
- **Optimal depth of the basin for good splash protection**
- **Filter system in the drain of the basin (coarse, fine and bag filters and magnet)**
- **Drainage system**
- **8 years of BIO-CIRCLE device protection**
- **To be booked separately:**
  - **Filter housing with various filter inserts**
  - **Rail system with castors for mobility**
  - **Lid incl. drip grid and side shelf for the BIO-CIRCLE For U**

Cleaning oil-contaminated parts in the BIO-CIRCLE parts washer





RECOMMENDED CLEANER FOR BOTH DEVICES:		Page
BIO-CIRCLE L Evo	Low-foaming cleaner with microorganisms, for manual and automatic cleaning; ideal cleaning temperature 41 °C	16





BIO-CIRCLE GT-i Maxi

BIO-CIRCLE For U



Technical unit

	BIO-CIRCLE For U	BIO-CIRCLE GT-i Maxi
Dimensions (W x H x D)	820 x 1050 x 600 mm	980 x 1110 x 705 mm
Work surface (W x D)	720 x 480 mm	810 x 520 mm
Payload	100 kg	250 kg
Working height	1000 mm	860 mm
Operating temperature	up to 48 °C	up tp 41 °C
Heating	700 W	650 W
Pump	40 W	40 W
Optimum filling quantity	100 L	120 L
Material	LDPE	LDPE
Empty weight	45 kg	60 kg
Power supply	230 V, 50 Hz	230 V, 50 Hz
Order number	**G50060-i**	**G60030-i**

STAINLESS STEEL TOP PIECES

for the BIO-CIRCLE GT-i Maxi

The stainless-steel top piece for the BIO-CIRCLE GT-i Maxi offers special working comfort due to its large working surface and high payload (up to 1000 kg). The stainless-steel top piece with its extra-large work surface (approx. 1500 x 950 mm) is particularly useful where large and heavy parts have to be cleaned. This allows even two users to work on the parts washer at the same time. The stainless-steel top pieces are equipped with a conical drain, sieve- and bag filters (25 µm) and (as an optional extra) with grids made of PE to protect the surfaces.



G60030-17-i



Stainless steel top piece
G60030-18-i
Special equipment: with two brush connections

G60030-17-i	BIO-CIRCLE GT-i Maxi with stainless-steel top piece	Payload 250 kg, 1500 x 950 x 300 mm
G60030-18-i	BIO-CIRCLE GT-i Maxi with stainless-steel top piece with frame	Payload 500 kg, 1504 x 1004 x 300 mm
G60030-19-i	BIO-CIRCLE GT-i Maxi with stainless-steel top piece with frame	Payload 1000 kg, 1504 x 1004 x 300 mm

Stainless-steel top piece for the BIO-CIRCLE GT-i with two brush connections and protective plastic base





Filter

MULTI BOX GT COMPACT

Even more pleasure in cleaning

With the Multi Box GT Compact you can get to the bottom of almost any dirt!
The pressure spray gun precisely and easily removes even the thickest grime from components.

And this is how it works: Just place the low-maintenance multifunction box in the cleaning basin of the BIO-CIRCLE and connect it to compressed air. You do not need any additional electrical units and can clean with the top piece closed and open. The adjustable pane cleaning (with compressed air) ensures good visibility through the viewing window.

- **For BIO-CIRCLE For U and existing BIO-CIRCLE GT and GT-i Compact**
- **Easy to install**
- **Rapid ROI**
  → low investment, high savings, low maintenance
- **Even faster and more effective work**
  → power up to 6 bar max.

- **The right thing for every type of soiling:**
  - **Cleaning with the top closed or open**
  - **Cleaning with a flow brush as before**
  - **Powerful cleaning with the pressure spray gun**
  - **Blowing off/drying the components with the compressed air gun**



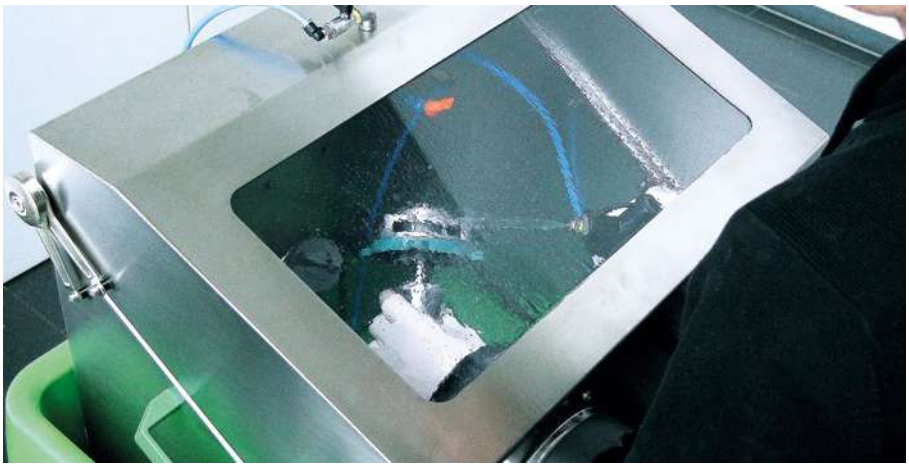
BIO-CIRCLE For U with Multi Box GT Compact

Multi Box GT Compact – easy installation



G50130	Multi Box GT Compact

Multi Box GT Compact inside



SERVICE AND CLEANING

Regular service and care ensure the safety and reliability of our devices. Just like your car, also the BIO-CIRCLE requires regular cleaning and servicing in order to ensure the functionality of the device.

In order to ensure perfect functionality of our devices, we offer you a special service:

- Thorough internal and external cleaning of the BIO-CIRCLE with environmentally compatible Bio-Circle products
- Checking your device for the functionality of the all component parts
- Cleaning and replacing if necessary of aerator, hoses, filter inserts, pump, etc.
- Cleaning of the BIO-CIRCLE Liquid by means of a fine mesh filter
- Removing the sludge residues from the bottom
- Refilling with the cleaned BIO-CIRCLE Liquid and, if necessary, topping up with fresh BIO-CIRCLE Liquid to the optimum filling level





The advantages at a glance
Aqueous-based biological parts cleaning with natural microorganisms. Oils and greases are immediately decomposed ecologically, which guarantees long lifetimes with a constantly high cleaning performance.

- **No solvents, no cold cleaners**
- **Aqueous cleaning medium, no fire hazard**
- **No hazardous substance and no hazardous materials, hence no special regulations for storage, handling and transportation**

USER CONTRACT – THIS IS HOW IT WORKS

Effective solutions for work processes

You need a device for your cleaning processes; however, you don't want to buy it but only use it over a certain period of time.
We have the perfect solution for you. W**ith our user contracts you can use devices over a longer period of time without having to buy them.** We can offer different possibilities matching our stainless steel cleaning devices and our BIO-CIRCLE parts washers.

If you have any further questions, please feel free to contact us.

BIO-CIRCLE USER CONTRACT

BIO-CIRCLE EQUIPMENT & ACCESSORIES



Lid

Protects from contamination and reduces evaporation of cleaning fluid.

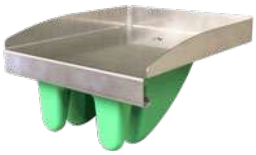
G50327 for BIO-CIRCLE GT-i Compact
G60330 for BIO-CIRCLE GT-i Maxi



Lid incl. drip grid

Provides a clean storage space and allows liquids to drain directly.

G50260 for BIO-CIRCLE For U



Side shelves

Provides additional space for tools.

G50360 for BIO-CIRCLE For U



Protective base

Facilitates tilt-free work and protects the basin from sharp-edged parts. Protective bottom made of perforated stainless-steel sheet metal

G50326 for BIO-CIRCLE GT-i Compact
and BIO-CIRCLE For U
G60230 for BIO-CIRCLE GT-i Maxi
Schutzboden aus Kunststoff, schwarz
G50330 for BIO-CIRCLE GT-i Compact
and BIO-CIRCLE For U
G60230-01 for BIO-CIRCLE GT-i Maxi



Brushes

(flushed with cleaning agents)

G20726 Flow-through brush
Supports cleaning
G20729 Flow-through brush
with medium-hard bristles, straight
G28526 Flow-through brush, angled
Supports cleaning in nooks and
crannies that are difficult to reach.
G27326 Flow-through brush
with soft bristles (Nylon 0.3 mm)
For cleaning sensitive parts
without damaging the material



Overflow Plug

incl. filter

G48D743-01 Overflow Plug for
BIO-CIRCLE For U, GT-i Compact a.
Maxi, PROLAQ Compact



Mobility Kit

The sturdy guiderails, with castors
(fitted with wheel stop and non),
make the device mobile and hence flexible to use.
2 SS guiderails with wheel stop/swivel castors.

G50427 for BIO-CIRCLE models







Filters

Inserts for filter housings
(nylon filters, washable;
coil cartridge filters, non-washable)

G22026 Nylon filter core support
Supports the replaceable nylon filter
G28326 Nylon filter 100 µm, blue
G28726 Nylon filter 150 µm, brown
G28426 Nylon filter 200 µm, green
G21926 Nylon filter 350 µm, grey
G22726 Coil cartridge filter 100 µm
PU: 6 pcs.
G22826 Coil cartridge filter 200 µm
PU: 6 pcs.



Fine Filter Housing

with connection and bracket

G48D314-30 Fine Filter Housing incl.
1Coil cartridge filter 200 µm



Filter accessories

G54126 Wrench for filter housing



Filter bags

The filter bags are fixed under the basin drain
by means of a bracket.

G54626 Filter bag nylon 50 µm washable
G54726 Filter bag nylon 100 µm washable
G54426 Filter bag polypropylene needle felt 5 µm
G54526 Filter bag polypropylene needle felt 25 µm

BIO-CIRCLE LIQUIDS

Parts cleaning at its best

CLEANING AT A HIGH LEVEL: EASY, FAST, SAFE.
The water-based, alkaline BIO-CIRCLE Liquids are solvent-free and non-labelled and feature a fantastic cleaning power. They are a user-friendly and environmentally compatible alternative to solvents. Using them means more occupational health and safety and reduced operating costs; a win-win situation for users and entrepreneurs.
The BIO-CIRCLE Liquids, which are used in combination with the BIO-CIRCLE parts washers, contain microorganisms* that degrade the removed oil, thus guaranteeing long bath lives. Cleaning results remain at a constantly high level, even with increased dirt ingress. The BIO-CIRCLE Liquids are ready for use and provide temporary corrosion protection; the ideal cleaning temperature is 41 °C.

BIO-CIRCLE L Evo

- **The versatile one among the BIO-CIRCLE Liquids**
- **For moderate to heavy soiling**
- **Environmentally friendly and safe**
- **For manual and automatic use:**
  in BIO-CIRCLE parts washers, parts washing systems and high-pressure parts washers
- **VOC- and label-free according to the CLP Regulation**
- **Cleans materials such as:**
  aluminium, zinc-coated surfaces, non-ferrous metals as well as steel/stainless steel and plastic

A02093 20 L jerrycan
A20093 200 L drum
A10093 1000 L IBC

Cleaning witht BIO-CIRCLE L Evo





Manual use

Everyday soiling* — Persistent soiling*

TOP SELLER
The right choice for your applications.

	BIO-CIRCLE L	BIO-CIRCLE L EVO	BIO-CIRCLE L Ultra
Mechanics	parts washer with flow brush	parts washer with flow brush, parts washing machine, high-pressure parts washer	parts washer with flow brush
Operating temperature	41 °C	41 – 45 °C	41 °C
Residues	virtually residue-free	virtually residue-free	forms a light protective film
Aluminium protection	-	ALU	-
Food areas	NSF	NSF	NSF
Corrosion protection	temporary	temporary	temporary
Environmental aspect of raw material	Surfactants based on renewable raw materials; label-free according to the CLP Regulation, VOC-free according to 2010/75/EU		
Labelling			

* Everyday soiling: oils, greases
* Persistent soiling: bitumen, anti-corrosion wax, burnt-in grease and oil, oil carbon, paint

*The microorganisms used are non-pathogenic bacteria of risk group 1 (classified according to BioStoffV 2000/54/EC, TRBA 466).
Risk group 1: Substances that are unlikely to cause disease in humans.



BIO-CIRCLE L

- ▶ **The versatile one among the BIO-CIRCLE Liquids**
- ▶ **Suitable for the food industry**

A02026	20 L jerrycan
A20026	200 L drum
A10026	1000 L IBC

BIO-CIRCLE L Ultra

- ▶ **Removes persistent contaminations**
- ▶ **Suitable for the food industry**

A02072	20 L jerrycan
A20072	200 L drum
A10072	1000 L IBC

The BIO-CIRCLE Liquids remove a variety of contaminations, depending on requirements and the cleaning system: grease, oil, separating agents, smoke residues, soot, wear particles, and swarf. To some extent also burnt-in organic contaminations, rust, oxidation and heat tinting, bitumen, and corrosion protection waxes.
Material: stainless steel, steel, tiles, plastics, varnished and zinc-coated surfaces. To some extent also aluminium and non-ferrous metals.

FIELD OF USE: Maintenance of components, work pieces and motors.
Across all industries: automotive, foodstuffs, metal processing/CNC, railways, skilled crafts and trades.

You already have a cleaning system and would like to use our innovative products? Please contact us, we'll be glad to advise you! www.bio-circle.com

BIO-CIRCLE HP-ISI AND HP VIGO

The power of high-pressure cleaning

Two closed washing chambers, with the BIO-CIRCLE HP simultaneously serving as a parts washer with brush (fulfilling this function with the lid open as well as closed). Both washing chambers operate with the power of high-pressure cleaning. They are recyclable and remove oils and greases from heavily contaminated steel-, stainless-steel-, plastics- and other parts with complex geometries.

Their only mission: Making work easier for the user! For the components will be beautifully clean and shiny, and the workflow is simple, fast, and safe (provided the recommended cleaners are used).

FIELD OF USE: Maintenance of components, work pieces and motors.
Across all industries: automotive, metal processing/CNC, etc.



- **Manual cleaning using a flow brush, with the lid open or closed**
- **Cleaning temperature 45 °C**
- **The insulated tank prevents heat loss**
- **Working pressure of 20 – 60 bar, optimal handling by means of a high-pressure pistol**
- **Payload up to 350 kg**
- **Facilitates crane loading**
- **Integrated oxygen supply**
- **Significantly longer bath service life thanks to microorganisms**
- **Enhanced occupational health and safety, reduced operating costs**
- **Rotary table for manual operation as an optional extra**
- **BIO-CIRCLE-isi technology, installed as a powerful chip in the control box of the BIO-CIRCLE HP-isi**

	BIO-CIRCLE HP-isi
Overall width x overall depth (mm)	1150 x 1229
Height with loading hatch closed/open (mm)	1800/2430
Overall width of available surface W x D x H (mm)	860 x 580 x 480
Maximum payload	350 kg
Cleaning liquid tank – capacity	100 L
Total weight of the cleaning device excl. tank filling, payload and supplementary equipment	235 kg
Connected value total (kW) excl. supplementary equipment approx.	2.5 kW
Power supply/frequency	230 V/50 Hz
Compressed-air hose Ø 10 mm	6 bar max.
Spray pressure adjustable approx.	20 – 60 bar
High-pressure pump motor	1.6 kW
Electric heating in the washing tank	0.65 kW
Treatment temperature (guide value)	45 °C
Order number	**G30028-i**



HP VIGO

Manual high-pressure cleaning

More safety. More convenience. More cost-effectiveness.

High-pressure parts washing station for powerful cleaning! The HP Vigo offers manual parts cleaning at high pressure in a closed washing chamber. It effectively removes even the toughest dirt such as oil, grease and environmental grime from stainless steel, steel, plastic and painted surfaces. The adjustable working pressure of up to 80 bar and cleaning temperature of up to 45 °C enable powerful and reliable cleaning.

RECOMMENDED CLEANERS FOR BOTH MACHINES:		Page
BIO-CIRCLE L Evo	Low-foaming cleaner with microorganisms, for manual and automatic cleaning, ideal cleaning temperature: 45 °C	
CB 100	fSuitable for the food industry	16 25



- ▶ **Manual cleaning with the lid closed**
- ▶ **Cleaning temperature adjustable up to 45 °C**
- ▶ **Working pressure adjustable up to 80 bar, optimum handling via a high-pressure nozzle**
- ▶ **Compressed air gun for drying parts**
- ▶ **Payload up to 150 kg**
- ▶ **Significantly longer bath service life due to microorganisms**
- ▶ **Shutdown in case of low level via a float switch (protection of the heater and pump)**
- ▶ **Optimal low-foam cleaner and degreaser: BIO-CIRCLE L Evo and CB 100**
- ▶ **VOC-free and label-free**
- ▶ **Increased occupational safety, reduced operating costs**

	HP Vigo
Overall width x overall depth (mm) with the device lid closed/open	1348 x 857 1348 x 1334
Height with the device lid closed/open (mm)	1574/1953
Overall width of available surface W x D x H (mm)	1200 x 800 x 450
Maximum payload (crane loading is possible with the cleaning system!)	150 kg
Cleaning liquid tank – previous capacity	120 L 80 L – 120 L
Total weight of the cleaning device (empty)	125 kg
Voltage, frequency, total output	230 V, 50 Hz, 2 kW
High-pressure pump	1,85 kW, 80 bar, 12,5 l/min
Working pressure (adjustable)	bis 80 bar
Operating temperature (factory-set)	45 °C
Noise level	< 70 dB
Compressed air supply	Max. 6 bar
Maximum air consumption during pane cleaning	0,06 m^3/h
Order number	**G30027**



CLEAN BOX

Your washing station

The CLEAN BOX Max and Flex are the perfect washing station for large parts and extremely bulky workpieces. This makes them applicable in many factory- and production areas, such as maintenance, machine- or industrial construction. The CLEAN BOXes are characterized by their easy handling and the use of low-temperature cleaners.



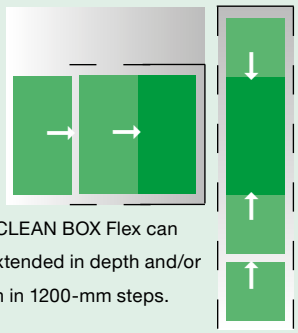
Due to built-in pump only suitable for water-based alkaline cleaners:

CLEAN BOX Max

- **For large, bulky workpieces**
- **Flow gun with integrated washing brush**
- **Grid on the working platform**
- **Available in two sizes (Max 1 und Max 2)**
- **Feed pump for the cleaner**
- **Electro-pneumatic foot switch to switch the pump on and off**

CLEAN BOX Flex

- **Extendable modular design**
- **Can be ordered in prefab sizes, with a feed pump for the cleaner**
- **Integrated WHG [Water Resources Act]-approved collecting tray with a leakage inspection hole and a storage tank with lid**



The CLEAN BOX Flex can be extended in depth and/or width in 1200-mm steps.

	CLEAN BOX Max 1	CLEAN BOX Max 2	CLEAN BOX Flex
Overall dimensions W x D x H (mm)	1420 x 1420 x 520	2400 x 1420 x 740	Standard 2725 x 1505 x 390 variable working surface can be extended in 1200-mm steps only when ordering
Useful work surface W x D (mm)	1220 x 1220	2250 x 1220	variable
Material	PE	PE	PE-HD
Payload	1000 kg	1000 kg	1000 kg
Useful volume min./max.	200 L / 300 L	700 L / 1000 L	250 L / 350 L
Total useful volume	590 l	1400 l	355 L
Working pressure	0.2 bar	0.2 bar	0.2 bar
Weight	100 kg	160 kg	250 kg
pH-value working range	4.5–12	4.5–12	4.5–12
Rated input voltage	230 V/1.3 A / 50 Hz	230 V/1.3 A / 50 Hz	230 V/1.3 A / 50 Hz
Power input	330 W	330 W	330 W
Operating temperature	Ambient temperature	Ambient temperature	Ambient temperature
Operating pressure max.	2 bar	2 bar	2 bar
IP protection class	68	68	68

Flow cleaning brush for CLEAN BOX Max, Flex

G82000-18 Flow brush, hard, blue

The devices require an appropriate connector.

The brush has a 1/2" internal thread.

SUITABLE CLEANERS

for BIO-CIRCLE HPs & CLEAN BOX

Water-based, slightly alkaline industrial cleaners: VOC- and label-free, with **excellent dissolving power**. They are all ready-to-use and can also be applied manually.
User-friendly and environmentally friendly, with a long service life due to their recyclability and temporary corrosion protection – what more do you want?

CB 100

- **Suitable for the food industry**
- **ready-to-use**

A02025	20 L jerrycan
A20025	200 L plastic drum
A10025	1000 L IBC

CB 100 Alu

- **Special aluminium formula for heat-tinting protection**

A02049	20 L jerrycan
A20049	200 L plastic drum
A10049	1000 L IBC

FOR CLEAN F

- **Low foaming**
- **Also for mechanical applications, e.g. in the HTW, in pressure washers, floor cleaning systems, etc.**
- **Low residue: subsequent processes such as bonding, welding and varnishing are possible**

A02013	20 L jerrycan
A20013	200 L plastic drum
A10013	1000 L IBC

Cleaning agent	Miscibility		Mixing ratios for parts washers		
	with water	in manual applications	BIO-CIRCLE HP	HP Vigo	CLEAN BOX
FOR CLEAN F	yes	5 % – 100 %	2.5 % – 7 %	5 %	10 % – 20 %

The cleaners remove soiling such as grease, oil, separating agents, smoke residues, soot, wear particles, and swarf from steel and stainless steel; to some extent also from aluminium, non-ferrous metals, zinc-coated surfaces, etc.

FIELD OF USE: across all industries, maintenance of machines and engines, etc. Can be used manually, in an immersion bath, in an ultrasonic cleaning device, and more.

PROLAQ

Safe varnish removal? You bet!

The PROLAQ cleaning systems have been especially developed for cleaning paint tools, e.g. paint spray guns, brushes, hoses, etc.

In contrast to conventional thinners, the PROLAQ systems work with paint removers that are reduced in hazardous substances, **making work more pleasant, simplifying storage, and protecting the environment.**

With only 60 litres you have a service life that is 5 to 10 times longer!

FIELD OF USE: in all industrial areas where painting is carried out, in automotive workshops, paint shops, automotive refinishers.

PROLAQ Compact

Manual cleaning unit for all painting tools and spray guns

The mobile, robust cleaning unit made of plastic (PE) is operated with compressed air and controlled by a foot switch. A high-quality flow brush ensures optimum cleaning results. An additional compressed air pistol offers a quick way to dry the cleaned parts.

- **Operated with compressed air**
- **Integrated funnel**
- **Movable due to mobility kit**
- **High-quality flow brush,**
- **available in different degrees of hardness (optional)**
- **Lid with splash protection function (optional)**
- **Incl. external filter**

Gefördert durch:
Bundesministerium für Wirtschaft und Energie
aufgrund eines Beschlusses des Deutschen Bundestages



Manual cleaning in the PROLAQ Compact

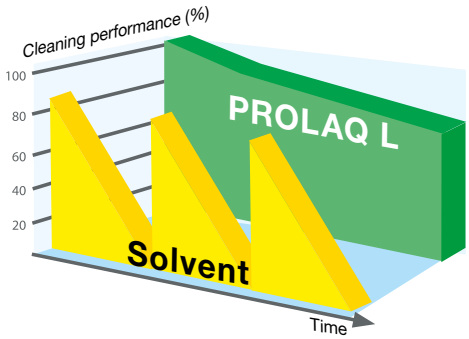
Manual cleaning of a spray gun in the PROLAQ Compact





	PROLAQ Compact
Dimensions (W x H x D)	840 x 1060 x 600 mm
Work surface (W x D)	740 x 450 mm
Payload	100 kg
Working height	980/840 mm
Pump	Pneumatic diaphragm pump (AODD) PTFE diaphragm
Optimum filling quantity	40 – 60 L
Material	LDPE
Empty weight	50 kg
Air pressure	6 bar max.
Order number	**G90010**

CLEANING CONSISTENCY



RECOMMENDED CLEANERS:		Page
PROLAQ L 400	Paint remover for water- and solvent-based paints and varnishes; dries quickly and leaves virtually no residue	24
PROLAQ L 500	Paint remover for water- and solvent-based paints and varnishes	24

PROLAQ Auto

Manual and automatic cleaning of all painting tools and spray guns

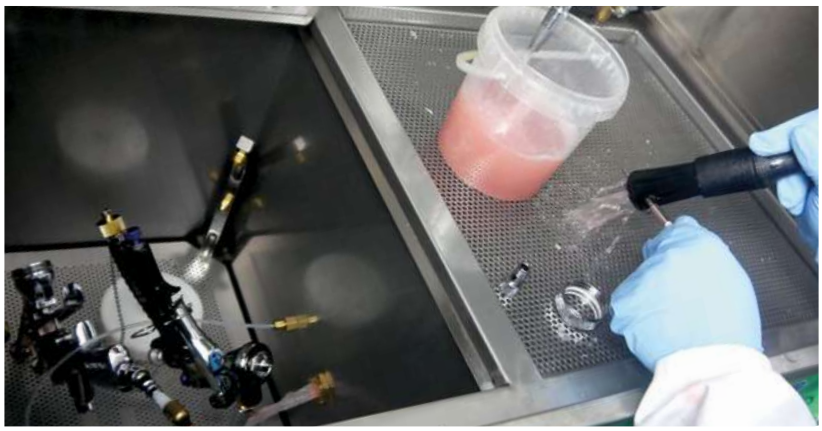
Cleaning in explosion-proof areas can be done both manually and automatically. Afterwards, the cleaned parts can be blown dry by means of an air shower. The integrated extraction device and the hood minimize odours effectively, thus guaranteeing a safe workplace.

- **Simultaneous automatic cleaning of two spray guns at a time**
- **For flow- and suction cup guns**
- **Subsequent air shower**
- **Option of manual cleaning by means of a flow brush**
- **Can be closed with a hood**
- **Integrated sedimentation- and filter unit**



PROLAQ: PRO-LACQUERER!

Automatic or manual cleaning of a spray gun in the PROLAQ Auto



	PROLAQ Auto
Dimensions (W x H x D)	857 x 1554 x 508 mm
Manual work surface (W x D)	415 x 415 mm
Working height	1040 mm
Pump	Pneumatic diaphragm pump (AODD) PTFE diaphragm
Output (pump)	12 l/min
Air consumption (pump)	58 l/min
Capacity	60 L
Material	Steel/stainless steel
Empty weight	94 kg
Air pressure	5 – 6 bar
Automatic cleaning	14 nozzles; cleans 2 spray guns
Noise level	<70 dB
Diameter exhaust pipe	76 mm
ATEX	Zone 1 and 2
Order number	**G90055**

THE PROLAQ L RANGE

Make a choice – it's time for a change!

The **unique PROLAQ Liquids** are the alternative to cellulose thinner: **VOC-reduced and low-labelled varnish removers** and paint strippers for the removal of paints, varnishes, inks, and printing inks.
Recyclable. Reduced costs. Optimal cleaning performance. User-friendly. Environmentally compatible.

Fewer protective measures, operating cost reductions, and a safe and healthy workplace.
Systematic cleaning: The PROLAQ paint removers are ready for use and have been especially designed for use in the PROLAQ Compact and PROLAQ Auto cleaning systems, and in ultrasonic cleaning devices.

PROLAQ L 400

- **Paint stripper for almost all water-based and solvent-based paints and coatings without hardeners**
- **Suitable for recycling via sedimentation**

A02069 20 L jerrycan
A20069 200 L plastic drum
A10069 1000 L IBC

PROLAQ L 500

- **Paint remover for water- and solvent-based paints and varnishes**

A02017 20 L jerrycan
A20017 200 L plastic drum
A10017 1000 L IBC
Hazard notice: Eye Irrit. 2

PROLAQ L 300

- **High-performance, water-based cleaner requiring no labelling**
- **Specially developed for printing inks – ideal for cleaning in the screen printing and printing industries**
- **Requires no labelling – a user-friendly alternative to many traditional solvent-based or highly corrosive products**
- **Systematic cleaning – optimally tailored to selected PROLAQ parts washers and wash-down stations**
- **Concentrate for heated systems – can be used at an application concentration of just 30 to 50 %**
- **Hot cleaning possible – in suitable systems up to 60 °C when sprayed or up to 70 °C in immersion processes**
- **Suitable for use on steel, stainless steel, aluminium and non-ferrous metals**
- **Also effective on dried-on printing inks – with a correspondingly longer exposure time or suitable pre-treatment**

A500913 bottle 500 ml
A020913 20 L jerrycan
A200913 200 L plastic drum
A100913 1000 L IBC

Cleaning spray guns and accessories in the PROLAQ Compact



Cleaning spray guns and accessories in the PROLAQ Auto



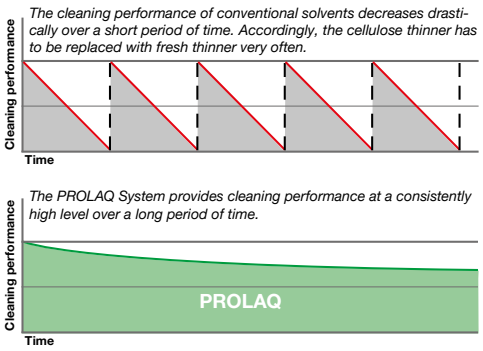


PROLAQ 400 and two-component varnish (undiluted)



Sedimentation process

PROLAQ FACILITATES CLEANING AT A CONSISTENTLY HIGH LEVEL



PROLAQ L US

READY TO USE

VOC reduced!

- ▶ **Paint stripper for hardened varnishes and paints**
- ▶ **For use in the Ultrasonic Cleaning Device for cleaning complex geometries and minute bores and orifices**
- ▶ **Temperature-stable up to 80 °C**

A00566 5 L jerrycan
A02066 20 L jerrycan
A20066 200 L plastic drum
A10066 1000 L IBC
Hazard notice: Eye Irrit. 2

The PROLAQ Liquids dissolve dried and hardened paint, varnish, ink, printing ink, and pigmented ink.
Material: All painting tools and spray guns are cleaned, as well as stainless steel, steel, tiles and aluminium. In certain cases, also: non-ferrous metals and zinc-coated surfaces.

FIELD OF USE: across all industries, wherever paint and varnish are used, cleaning of spray guns, hoses, print rollers, stencils, et al. For manual and mechanical applications in the PROLAQ cleaning systems, in immersion baths, screen-printing cleaning systems and in ultrasonic cleaning devices.

Hose system cleaning with PROLAQ Liquid



With PROLAQ L US paint removal in an ultrasonic bath



PROLAQ CONVERSION KIT

The **PROLAQ Conversion Kit for existing systems** can be installed quickly and easily in all paint spray gun cleaning systems. The label-free PROLAQ L 400 paint remover replaces conventional solvents, and minute particles that have been removed from the system are **separated from the fluid by sedimentation**.

PROLAQ: PRO-LACQUERER!

ECONOMICAL

- On average 10 times longer service life with PROLAQ L 400
- Approx. one tenth of the usual disposal quantity

CONVENIENT

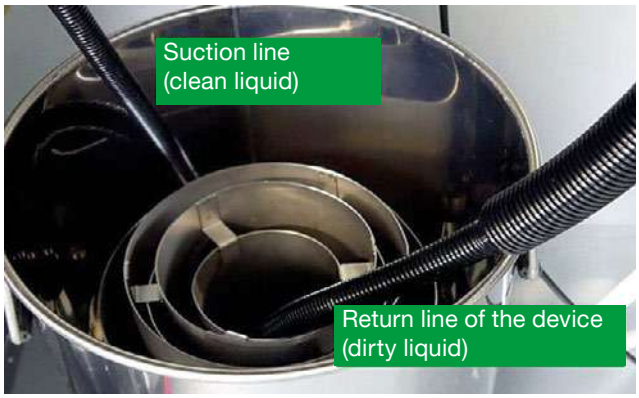
- Suitable for all paint spray gun cleaning systems
- Easy and quick to install → the system remains unaltered
- Incl. ball valve and lateral handles

SAFE

- Conductive → stainless steel
- Increased occupational safety → non-labelled paint remover PROLAQ L 400



Material	Stainless steel
Capacity	23 L
Outlet	Ball valve
Dimensions	Ø = 350 mm, h = 485 mm
Order number	**G90053**





unlabelled

PROLAQ ACCESSORIES

The extensive range of accessories is the perfect complement to the PROLAQ product range and guarantees fast and thorough cleaning results.



PROLAQ Filter

for PROLAQ Compact

G90010-02 PROLAQ coil cartridge filter 25 µm

G90010-03 PROLAQ pre-filter 200 µm

PU: 12 pcs.



flow brushes

for PROLAQ Compact

G90010-08 PROLAQ flow brush

G90010-09 PROLAQ flow brush,
medium-hard



PROLAQ disposable gloves

G90010-04 PROLAQ disposable gloves,
grey, size XL
PU: 50 pcs. (1 box







VARIO SL COMPACT

For tough cases

The parts washer for the removal of water-resistant contaminations.

Resins, epoxy resin, fibre-reinforced plastic, glue, and rubber don't stand a chance.
For the manual cleaning of tools, equipment, etc.

RECOMMENDED CLEANERS:		Page
GS 200	Cleaner with excellent dissolving power on water-resistant contaminations.	29
OMNI 200	with excellent cleaning- and penetration effect, protects from corrosion..	29

- ▶ **User-friendly and environmentally friendly**
- ▶ **Safe → VOC-free or -reduced and label-free cleaners**
- ▶ **Can be used directly in the production or processing process**
- ▶ **Operated with compressed air**
- ▶ **No heating**
- ▶ **Incl. external filter**

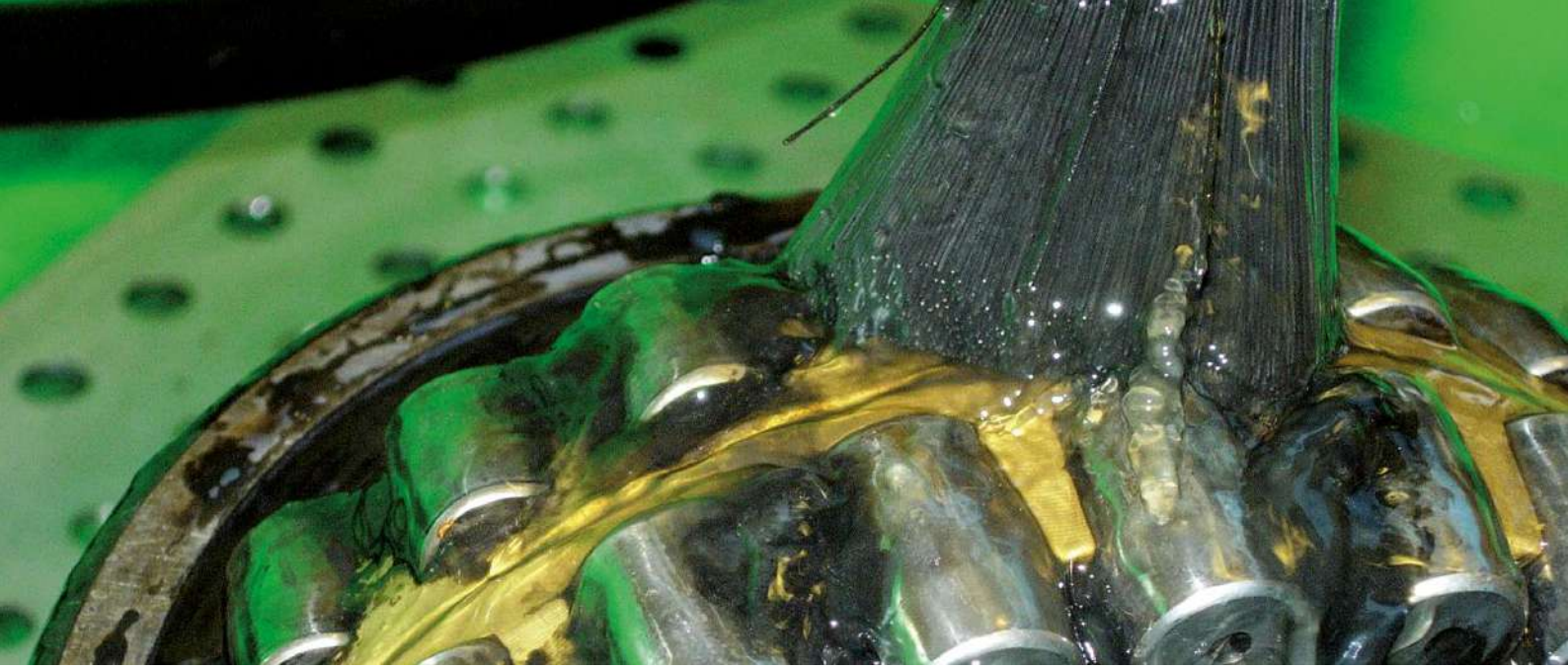
FIELD OF USE: production, maintenance, automotive industry, food industry, etc.



	VARIO SL Compact
Dimensions (W x H x D)	840 x 1060 x 600 mm
Work surface (W x D)	740 x 450 mm
Payload	100 kg
Working height	980/840 mm
Pump	Pneumatic diaphragm pump (AODD) PTFE diaphragm
Optimum filling quantity	40 – 100 L
Material	LDPE
Empty weight	50 kg
Air pressure	6 bar max.
Order number	**G90030**



Removing thermal paste with GS 200



Cleaning ball bearings with OMNI 200

OMNI 200

The **non-labelled cleaner** with fabulous capillarity dissolves, lubricates and cleans.

- **Odourless**
- **Higher viscosity**

E02018	20 L jerrycan
E20018	200 L metal drum
E10018	1000 L IBC

GS 200

Cleaner for the removal of very strong contaminations

- **VOC-reduced, non-flammable**
- **High flashpoint (~ 100° C) guarantees high application safety**
- **NSF-certified**

A02065	20 L jerrycan
A20065	200 L plastic drum
A10065	1000 L IBC

GS 300

Cleaner for the toughest dirt, such as anti-corrosion waxes

- **Extremely powerful – ideal for stubborn residues such as silicones, bitumen, resins and anti-corrosion waxes**
- **Label-free – not classified as a hazardous substance according to the CLP Regulation, which makes storage and use easier**
- **VOC-reduced – low emissions for improved workplace safety**
- **Ready to use and efficient – no mixing required, ready for immediate use at room temperature**
- **Versatile – suitable for steel and aluminium, can be used manually or in an immersion bath**

A02001	20 L jerrycan
A20001	200 L metal drum
A10001	1000 L IBC



„SAFE CLEANING? YOU BET!“

(Bio-Circle Surface Technology GmbH member of staff)

VOC-free, VOC-reduced
The European VOC Solvents Directive (1999/13/EC) aims to considerably reduce the use of solvents and VOC emissions into the environment, thus protecting human health. In the development and manufacturing of our products we pay close attention to developing and manufacturing VOC-free or VOC-reduced products. In plenty of applications, the water-based Bio-Circle products can replace solvents completely.

Non-labelled
With the aid of efficient systems and non-labelled products we succeed in optimizing the processes at our customers’. The cleaning quality is maintained although the cleaning is done without labelled products. The laborious handling of hazardous substances is obsolete. HAZMAT storages, HAZMAT trainings, and the preparation of operating instructions are a thing of the past. The employees’ health and the environment are protected. Even trainees and apprentices are allowed to handle the products.

NSF – Cleaning in the foodstuffs industry
The NSF-certified water-based Bio-Circle cleaners are completely miscible with water, and because of their residue-free rinsability they are suitable for applications in the foodstuffs industry according to sec. 31 LFGB (German Food, Consumer Goods and Feed Code).

Water-miscible
Many of our cleaners are concentrates. They are easy to mix with water and hence very economical. Please make sure the mixing ratio corresponds to the application and the contamination.

Clean Blue – for low-temperature cleaning only
The Bio-Circle low-temperature cleaners – Clean Blue – have been developed for mechanical and manual use. They save energy and efficiently remove strong contaminations already at ambient temperature.

Ready to use
These cleaners are applied ready for use. Depending on the cleaner, their application is manual or mechanical. The user is relieved of one work step, as calculating the mixing ratio is no longer necessary.

PRODUCT ACCESSORIES:

Work made easy:
your practical helpers for opening containers and transferring fluids.



Tap

H00003 for 5 L and 10 L jerrycans
H00004 for 20 L and 30 L jerrycans
H00015 for 200 L plastic drum, ¾" incl. adapter



Stainless steel hand-operated pump

H00006 for 200 L plastic drum
(discharge 0.3 L hoist) 2" standard drum thread
incl. thread adapter and 1 m hose
H00008-01 Hand-operated pump adapter for 200 L metall drum



Plastic hand-operated pump

H00007 for 200 L plastic drum
(discharge 0.3 L hoist)
2" standard drum thread
incl. thread adapter
and 1 m hose



Jerrycan cap spanner/ bung wrenc

H00016 Jerrycan cap spanner
for both DIN 51 and DIN 61,
plastic, colour: green
H00030 Bung wrench, metal,
for 200 L drums

Our delivery service (Germany)

Delivery time: approx. 2–3 days.
Delivery:
Free domicile incl. packaging for order values of € 600.00 or higher.
For order values (OV) under € 600.00, we invoice the following service charges (SC):

Service charge: OV up to € 100.00 SC of € 16.50
OV up to € 200.00 SC of € 19.50
OV up to € 600.00 SC of € 22.50

Collection by the customer:
You are welcome to pick up your products Monday thru Thursday between **8:00 a.m. and 4:30 p.m.** and Friday between **8:00 a.m. and 3:00 p.m** directly from our production facilities in Gütersloh. Please call ahead on **+49 (0) 5241 9443 0,** so that we can prepare your order for pick-up.

Payment terms:
Our invoices are payable within 8 days with a 2 % discount, or within 30 days net without deduction. Upon request, we will debit the invoice amount from your account within 8 days. In that case you will receive a 3 % discount. For this, we require a direct debit authorization from you.

Reservation of title:
All items delivered by us shall remain our property until all present and future claims arising from the business relationship with the customer have been settled in full.

All prices are subject to VAT at the applicable rate.

A STRONG GLOBAL PARTNER:

- ▶ CLEANING
- ▶ PROTECTING
- ▶ LUBRICATING
- ▶ WELDING

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Present around the globe

Our products are sold and used in 63 countries. We have a global network of own subsidiaries, production sites, and trade partners.

