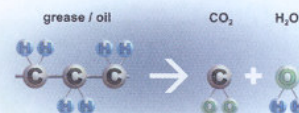


BIO-CIRCLE™ compact

The parts cleaner with a new dimension

Highlights

Biological parts cleaning based on an aqueous system containing natural bio cultures. Oil and grease are immediately and biologically changed by microorganisms. So the cleaning agent kept clean on a continuous basis which considerably prolongs the life-span of the cleaning liquid.

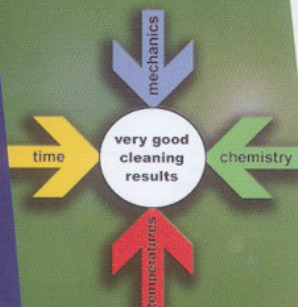


Technical data:

Working height	900 mm
Sink dimension	L 740 x W 540 mm
Load capacity	Max. 100 kg
Temperature	41 °C
Heater	1,2 kW (heating up)
Pumps	40 Watts each
Operating fluid capacity	80 Liter
Material	PE LD
Weight (empty)	45 kg
Electrical configuration	230 V, 50 Hz



**PATENT NR.
6.057.147
EVENALS
11/495.275
(PATENT AANGEVRAAGD)**



- ➔ new three-part filtration system stops effectively waste particles from entering the cleaning liquid, especially ferrous cuttings are trapped by a magnet
- ➔ wash-basin size 740 x 540 mm with a load capacity up to 100 kg
- ➔ operational tank capacity of 80 l
- ➔ easy to maintain due to exchangeable control box which includes electrical and pump unit
- ➔ equipped with fine filter to optimise the effectiveness of the cleaning liquid
- ➔ comfortably operated with a drain valve for exchange of the cleaning liquid

Bio-Circle™ L

- Excellent cleaning action
- Fresh scent
- User friendly
- Virtual residue-free
- Containing corrosion-inhibitors
- Optimised bioremediation process*



Bio-Circle™ compact

G50026 Bio-Circle™ compact

Bio-Circle™ L

- A02026** Bio-Circle™ L container 20 l
- A20026** Bio-Circle™ L drum 200 l

Simply natural ...

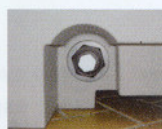
Bio-Circle™ makes use of natural power for a user- and environmentally-friendly as well as economical cleaning of small parts. Working oils, cutter coolants, corrosion protection products, weak grease and other particles are removed by the cleaning agent Bio-Circle™ L. The easy to clean filter system separates coarser and finer waste particles, oil and grease are immediately and biologically changed by the micro-organisms. Bio-Circle™'s bioremediation process not only breaks down the contaminants but also maintains the power and cleanliness of the solution.

Technique

The stable and robust tank is made from plastic and does not corrode. The heating system installed in the Bio-Circle™ keeps the cleaning agent at its ideal working temperature of 41 °C. The air-pump ensures a steady supply of oxygen essential to the micro-organisms. In addition Bio-Circle™ L contains a selected combination of nutrients, which guarantee working of the microorganisms through the whole service life. A plastic foil keyboard offers the operator an optimal comfort and indicates the status of the process by pictograms. For maintenance purposes the table is hinged for easy access.

Economic efficiency

Our Bio-Circle™ L compared to solvent systems has up to four times longer service life. Even if the soiling is increasing you will still have a constant cleaning result. Bio-Circle™ L means no danger for humans and environment with high effectiveness and economics at the same time.



Comparison between conventional Parts Cleaner with Cold Cleaner and Bio-Circle™ Parts Cleaner

	Cold Cleaner	Bio-Circle™ Bio-Circle™ L
What is the effect of increased contamination?	saturation of the cleaning liquid – cleaning effect falls off	good stable results the whole time 😊
What contaminations can be removed? Organique, apolar (grease, oil) Inorganique, polar (salts) Inorganique, apolar (iron fillings, dust)	Very good results Poor results Poor results	Very good results Very good results Good results 😊
What materials can be cleaned with? Stainless steel Steel Aluminium Non-ferrous heavy metals	Very good results Very good results Very good results Very good results	Very good results Very good results Very good results Very good results 😊
Safety and health provisions for workers		

Health damage <small>(Source: Reinigen und Entfetten, BG Maschinenbau- und Metall-BG 1997)</small>	Cold Cleaner	Bio-Circle™ Bio-Circle™ L
Damage to the nervous system	Toluene, xylenes, trichlorethylene, benzenes (hexane isomers, pentane, heptane, octane)	no 😊
Damage to the skin	Yes	no 😊
Damage to the liver	Dichlormethane, Trichlorethylene, Toluene, xylenes, methanol, ethanol	no 😊
Damage to the kidneys	Trichlorethylene, Kerosene, Petrol/gasoline, Hexane, heptane, toluene, xylene, alcohols	no 😊
Damage to the blood cells	Toluene, benzene	no 😊
Mutagens and teratogenes	Organic solvents	no 😊
Cancerogen	Benzene	no 😊

*The used micro-organism are non-pathogen bacteria of group 1 acc. to Directive 2000/54/EC. (Group 1 means that it is unlikely to cause human disease).