



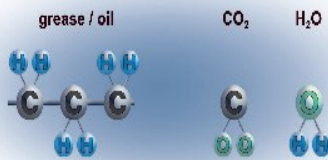
**THE ONLY NAME YOU NEED  
IN COMPONENT CLEANING**

## **BIO-CIRCLE™ PARTS WASHERS** **- The 21<sup>st</sup> Century Solution!**



Bio-Circle™ is the safe, environmentally-friendly parts washer system. Bio-Circle™ is an integrated range of parts washers and fluids for effectively removing process oils, coolants, light greases and other contaminants from even heavily contaminated parts, without the use of solvents.

At the heart of the process is Bio-Circle™ liquid, a water-based, parts washing formulation containing natural, non-pathogenic, micro-organisms\* that effectively remove and then degrade the contaminants, forming carbon dioxide and water. Bio-Circle™ liquid features a bath life that is up to four times longer than conventional, hydrocarbon-based, cold cleaners, making it the cost-effective answer to your parts washing needs.



Bio-Circle™ parts washers are available in a range of models and sizes, and are supplied with full support for absolute peace of mind.

	BIO-CIRCLE™ MINI	BIO-CIRCLE™ COMPACT	BIO-CIRCLE™ MAXI
Material of Construction	LDPE	LDPE	LDPE
Cleaning Area Dimensions (l x w)	610 x 500 mm	740 x 540 mm	930 x 545 mm
Working Height	820 mm	900 mm	950 mm
Maximum Payload	90 kgs	100 kgs	250 kgs
Heating	700 W	750 W	1000 W
Tank Liquid Capacity	80 litres	90 litres	100 litres
Power Supply	1P, 230V, 50 Hz	1P, 230V, 50 Hz	1P, 230V, 50 Hz

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## Simply Natural....

The naturally occurring micro-organisms\* in Bio-Circle™ liquid effectively remove and biologically degrade oils, coolants, greases and other contaminants. The formulation also contains nutrients, which guarantee the continuous regeneration of the micro-organisms throughout their whole service life. Bio-Circle™ L has up to four times longer service life than conventional cleaners, maintaining cleaning performance even at very high soil loading.

## Simply Effective....

The process is contained within a robust tank manufactured from non-corroding LDPE. The heating system maintains the Bio-Circle™ liquid at its optimum operating temperature of 41°C, whilst an integral air pump provides a steady supply of oxygen essential to the regeneration of the micro-organisms.

### Comparison Between Conventional Parts Washers and Bio-Circle™:

IN USE	Conventional Parts Washer	Bio-Circle™ Parts Washer
<b>Effect on Contaminants:</b>		
Organic, non-polar (oil, grease)	Very good	Very good
Inorganic, polar (salts)	Poor	Very good
<b>Performance as Liquid Becomes Contaminated</b>	Performance deteriorates as saturation is reached	Performance is maintained as contaminants are degraded
<b>Compatibility with metals:</b>		
Stainless steel	Very good	Very good
Aluminium	Very good	Very good
Non-ferrous metals	Very good	Very good



HEALTH, SAFETY & ENVIRONMENT	BIO-CIRCLE™	HYDROCARBON	WHITE SPIRIT	KEROSENE
R10 or R11—Flammable or Highly Flammable	No	Yes	Yes	Yes
R20—Harmful by inhalation	No	No	Yes	No
R38—Irritating to skin	No	Yes	No	Yes
R67—Vapours may cause drowsiness & dizziness	No	Yes	No	No
R51/53—Toxic to aquatic organisms, may cause long term effects in the aquatic environment	No	Yes	Yes	Yes

\* The micro-organisms are non-pathogenic bacteria of Risk Class I according to Directive 2000/54/EC (unlikely to cause illness to human beings).