

Biological parts cleaning from KÄRCHER



- Solvent free
- Consistently high cleaning performance
- Kind to the environment

Effective, economical and environmentally friendly bio

KÄRCHER's new PC 100 M biological parts cleaners use state of the art microbiological technology to provide excellent cleaning results without the cost and safety issues of traditional solvent-based cleaners. Biological parts cleaners differ to solvent-based systems by using:

- a non toxic and pH neutral chemical solution that doesn't need replacing or disposing of.
- a microbiological filter mat to trap larger dirt particles and provide the chemical solution with new microbes for consistently effective and safe cleaning.

These innovative biological parts cleaners are ideal for removing oil and grease from tools, engine components and other parts up to a weight of 100kg. Made of impact resistant plastic and available with either one or two workstations, the PC 100 M range offers a highly effective, simple to use, safe and versatile method of parts cleaning.

KÄRCHER's biological parts cleaners are self contained and can be situated anywhere there is a single phase 240V power supply available.



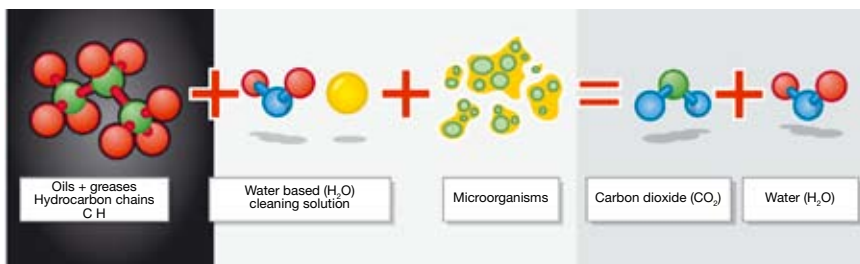
How biological parts cleaning works:

KÄRCHER's biological parts cleaners are easy to use and can be operated without the safety and environmental hazards associated with solvent-based systems. Unlike solvent-based cleaners and other non-biological cleaners, KÄRCHER's biological cleaners offer consistently high cleaning performance by using natural microorganisms which break down contaminants such as oil and grease.

When the biological parts cleaner is used for the first time, the cleaning solution is poured through the filter mat releasing microorganisms into the unit's tank. The solution operates at a constant temperature of 38°C, guaranteeing natural growth of microorganisms in the solution.



A metal strainer in the sink serves as a pre filter for coarse dirt. The filter mat located underneath the strainer retains fine particles larger than 50µm. Substances which collect in the tank such as oil and grease, are broken down by the microorganisms into H₂O (water) and CO₂ (carbon dioxide). Depending on the degree of soiling, a new filter mat should be fitted every 4 to 8 weeks, which introduces new microorganisms into the system maintaining a constantly high cleaning performance.



Organic substances are broken down biologically into carbon dioxide and water by means of the water based cleaning solution and microorganisms

Quick and Easy Set Up



Fit microbe filter mat



Place sink base with drain in position

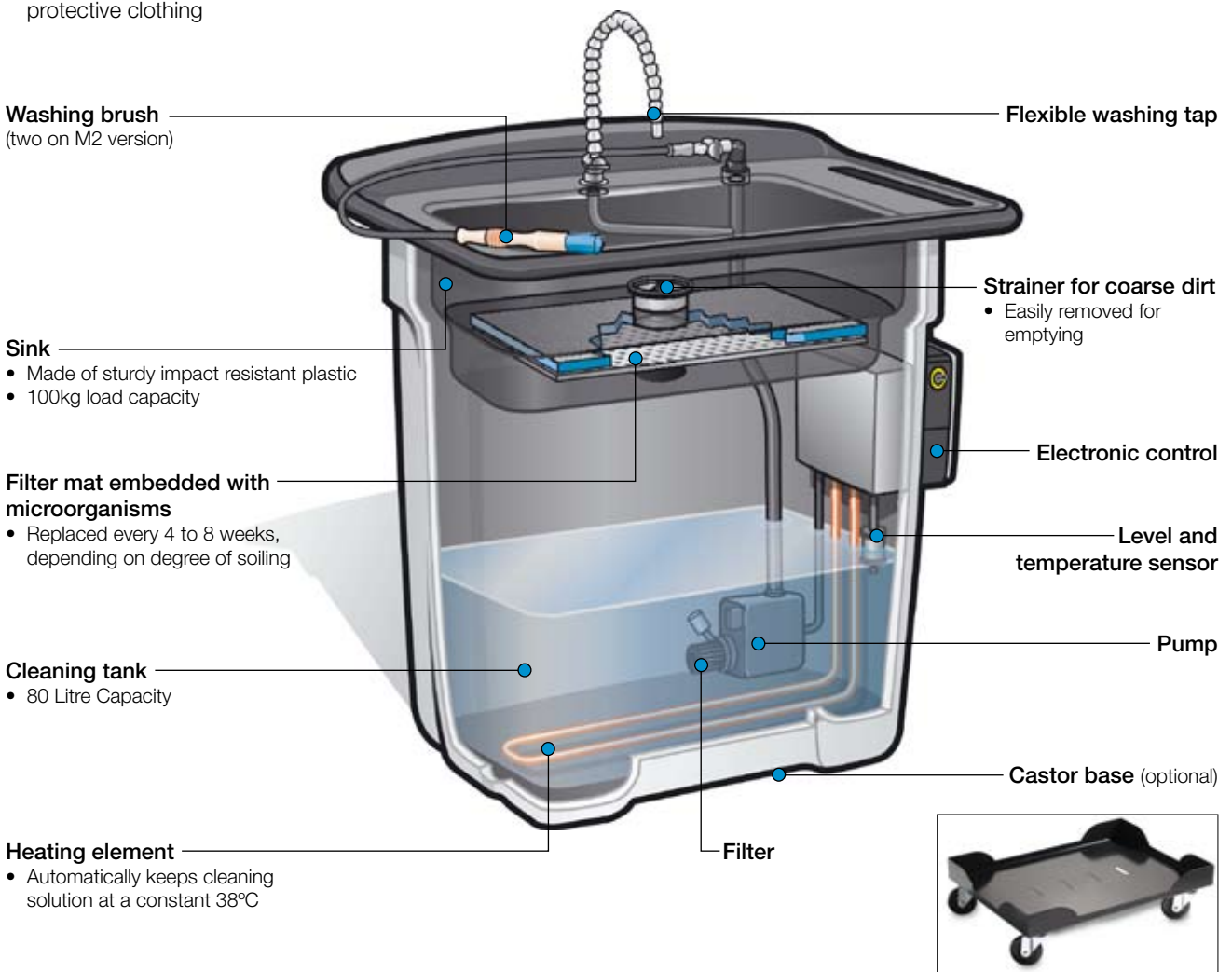


Fill tank with cleaning fluid

Biological parts cleaners

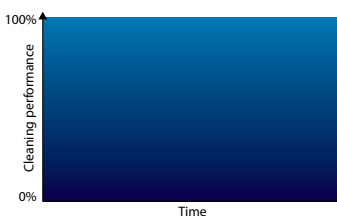
Benefits

Economy	Operator safety	Cleaning performance	Environmental protection
<ul style="list-style-type: none"> High cleaning efficiency is maintained over a long period unlike that of solvent-based cleaners No costs for disposal of cleaning solution No costs for transport and storage of hazardous substances No requirement for protective clothing 	<ul style="list-style-type: none"> Cleaning solution and microorganisms are completely non-toxic The cleaning agent is pH neutral and therefore does not irritate the skin All substances used are non-flammable No unpleasant odours 	<ul style="list-style-type: none"> High cleaning efficiency is maintained unlike that of solvent-based cleaners The cleaning solution is heated to a constant temperature of 38°C which cleans more effectively than a traditional cold cleaner 	<ul style="list-style-type: none"> All substances used are environmentally friendly The biological cleaning system can be used without changing the cleaning agent reducing wastage

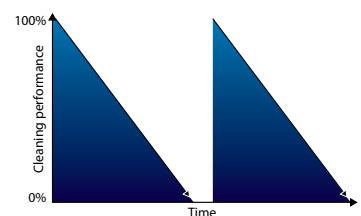


No loss of cleaning performance

Solvent-based cleaners lose performance quickly as oils and greases damage the solvent. Biological cleaners maintain performance over very long periods as oils and greases are broken down into CO₂ and H₂O by the microbes in the system.



Biological parts cleaner PC 100 M:
Constant cleaning performance for a very long period.



Parts cleaners with solvent-based cleaning agents:
For constant cleaning performance a frequent change of solvent is necessary.

Technical Specification		PC 100 M1 Bio	PC 100 M2 Bio
Order No.		1.626 720	1.626 722
Pump delivery rate	l/h	900	900
Tank capacity	l	80	80
Operating temperature	°C	38	38
Heater	kW	1	1
Power supply	Ph/V/Hz	1/240/50	1/240/50
Load capacity	kg	100	100
Work surface (L x W x D)	mm	660 x 420 x 200	1041 x 660 x 178
Working height	mm	1003	1067
Weight	kg	33	44
Dimensions	mm	1003 x 978 x 737	1067 x 1181 x 952

Standard accessories	Quantity	Order No.
Washing brush, normal feed line (M1)	1	6.626 038
Washing brush, long feed line (M2)	1	6.626 039
Optional accessories		
Washing brush, long feed line (M1)	1	6.626-039
Washing brush, angled	1	6.626 040
Microbe filter mat (one layer)	1	6.626 041
Microbe filter mat (several layer)	1	6.626 042
Castor base with 4 castors (2 lockable)	1	6.626 043
PC Bio 10 cleaning agent (standard)	20 l	6.295 260
PC Bio 20 cleaning agent (for sensitive metal, e.g. aluminium)	20 l	6.295 261
Microbe suspension	250ml	6.295 262

Features	PC 100 M1 Bio	PC 100 M2 Bio
Automatic temperature control	•	•
Level sensor	•	•
Filtration via microbe filter mat	•	•
Coarse strainer in sink drain	•	•
Washing tap/brush	1/1	1/2

• Standard



Two versions available:



One work station



Two work stations

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