

Hot cleaners for workshop and production

ph-cleantec
clean and safe performance



Industry



**Motor vehicle/
commercial vehicle**



Aviation/armed forces



**Food/pharmaceutical/
biotec**



Catering



Building service



***Universal hot cleaning technology
for the cleaning of installations and parts***

Clean without much pressure: ph-cleantec low pressure hot cleaners

Established methods, such as high pressure cleaners, are unsuited for many cleaning applications in the production and chemicals unnecessarily charge the environment as well as the employees' health. The response to these problems:

Low pressure hot cleaners of ph-cleantec.

Ph-cleantec's patented cleaning technology – cleaning with a water temperature of 95° C and adjustable pressure of 3 – 7.5 bar – offers you unbeatable advantages for the cleaning of your industrial installations and components.

EFFICIENT ✓

- better results in a shorter cleaning time
- very low downtimes during machine cleaning
- lower cost for purchase, storage and waste disposal
- low water consumption
- save much time since the technique can be used on-site

FLEXIBLE ✓

- cleaning of heavily accessible parts due to variable spray inserts and low pressure
- optionally cleaning with water, alkaline agents with anticorrosive or lubricating coolants
- continuous pressure adjustment for "big lumps" as well as "small thimbles"

ECOLOGICAL ✓

- water recycling by special sedimentation procedure
- clean without aggressive detergents
- low current consumption since permanent heating is not necessary
- gentle for user as well as environment since cleaning is made without solvents or cold cleaning agents

MOBILE ✓

- usable everywhere due to sturdy and lockable wheels
- permanent water supply is not necessary due to the integrated water tank
- independent of oil separator or other disposal systems since the water is recycled and cycled
- due to the compact construction usable everywhere in the production

SAFE ✓

- gentle cleaning of functional components and sensitive sensor technology as well as electronic systems
- no splash-back effects due to low pressure technology
- ergonomical cleaning method
- gentle for health and environment



➔ *The innovative technology for machines and parts cleaning*

Applications for hot cleaners of ph-cleantec

Machine installations

- machine tools
- machines for food production
- conveyor belts and chaining systems
- storage systems



Recommended by leading suppliers of lubricating coolants

> gentle cleaning procedure for all installations

Repair and maintenance

- aggregates at pumps
- machine parts and linings
- bearings
- electrical motors
- chain saws, lawn mowers
- pressing, stamping and deep drawing tools
- spindles



> universal cleaning technology, on-site usable

Series cleaning

- hydraulic blocks
- motor parts (f.ex. : piston rods, shafts, crank shafts)
- machine parts (guides, supports, tensioning systems)



> ideal for medium batch sizes or complex cleaning tasks

Degreasing of components

- machine supports and bases
- lining parts
- steel welding constructions
- containers
- preparation for lacquering



VOC-free (no solvents)

> optimal for smaller quantities resp. different geometries

Transport and travel

- Brakes, engines, gears, clutches passenger cars/trucks
- Armoured hulls and turrets
- Fuselage, hydraulic system and drive unit of helicopters and aeroplanes
- Bicycle and motorcycle washing bays
- Marine propulsion engines and gears



> Cleaning method – gentle to components, resources saving, environmentally friendly

Building technology and gastronomy






- Radiators in offices and hotels
- Catering extract systems and equipment
- Exhaust air tubes in underground car parks
- Solar collection systems
- Fire damaged remedial action



> Without high pressure, fast and efficient

... and much more!

For each application the appropriate hot cleaner

	1000 SR 	1000 SRE 	1000 SRE-DH/DP 	1000 SRK-AS-EA 1000 SRK-AS / EA 	600 SR 
	Universal low pressure hot cleaner with cleaning surface for machines and parts	Universal low pressure hot cleaner for machines and bulky parts (in connection with stationary collector)	Universal low pressure hot cleaner for machines and bulky parts (in connection with stationary collector)	Mobile low pressure hot cleaner for connection to mains water or, alternatively, scavenging from a remote reservoir	Universal quick cleaner with cleaning surface for parts as replacement for brush cleaning tables for decentralised cleaning
Working pressure	approx. 3 – 7.5 bar	approx. 3 – 7.5 bar	approx. 8 – 14 bar	approx. 3 – 8 bar	approx. 4.5 bar
Spray/Water consumption	1.0 – 1.8 l/min	1.0 – 1.8 l/min	1.8 – 2.4 l/min	1.0 – 1.8 l/min	1.0 l/min
Operating temperature	95 °C in 60 sec	95 °C in 60 sec	95 °C in 60 sec	95 °C in 60 sec	90 °C in 60 sec
Voltage	3P-N-PE/400V/50Hz	3P-N-PE/400V/50Hz	3P-N-PE/400V/50Hz, 32 A	3P-N-PE/400V/50Hz	3P-N-PE/400V/50Hz
Power consumption heating	10 KW	10 KW	20 KW	10 KW	6 KW
Filling					
• freshwater	60 litres	60 litres	60 litres	n.a.	30 litres
• detergent	5 litres	5 litres	dosing pump	n.a.	n.a.
• container	30 litres	n.a.	n.a.	n.a.	25 litres
Dimension	109 x 73 x 118 cm	98 x 55 x 67 cm	98 x 55 x 67 cm	92 x 48 x 45 cm	76 x 60 x 116 cm
Dimension cleaning grid	90 x 60 cm	n.a.	n.a.	n.a.	70 x 50 cm
Weight net	approx. 100 kg	approx. 65 kg	approx. 78 kg	approx 48 kg or 55 kg	approx. 60 kg
Water recycling	n.a.	n.a.	n.a.	n.a.	n.a.
Capacity of container	n.a.	n.a.	n.a.	n.a.	approx. 50 kg
Sound pressure level	<70 dBA	<70 dBA	<70 dBA	<70 dBA	<70 dBA

n.a. = non applicable

Technical modifications reserved

ph-cleantec extras:



Hot cleaner for applications with acid and demineralised water

The 1000 SRE incorporates components that are acid and demineralised water resistant, therefore providing an extended range of application for parts demanding a high degree of degreasing/ cleaning .



Heavy weight collector

For big and heavy components a heavy weight collector can be attached. Dimension and the capacity depend on the respective requirements.



Splashguards, hoods and closed units

In sensitive surroundings or for special components models 1000 SR and 600 SR can be equipped with a 3-sided splashguard or a Makralon hood. A complete enclosure can also be supplied incorporating a work access aperture, parts loading device and extract system.



Spray accessoirise

With versatile exchangeable inserts allowing fast and easy replacement even heavily accessible parts resp. burned-in residues can optimally be cleaned.

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