

Hot cleaners for workshop and production

ph-cleantec
clean and safe performance



Machines



Maintenance



Series/Components



***Universal hot cleaners
for machines and parts cleaning***

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

➡ *The innovative technology for machines and*

Applications for hot cleaners of ph-cleantec:

Machine installations

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



> gentle cleaning procedure for all installations

Repair and maintenance

- aggregates and 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

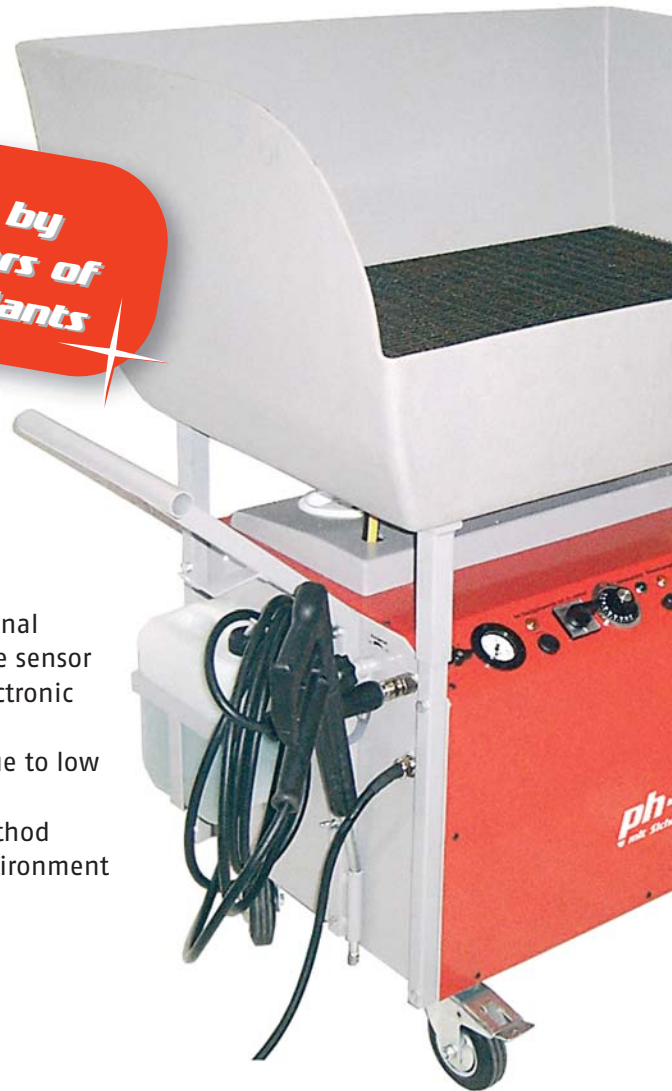
**Recommended by
leading suppliers of
lubricating coolants**

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



and parts cleaning

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

For each application the appropriate hot cleaner

	1000 SR	1000 SRE	1000 SRE-DH/DP	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)	Universal quick cleaner with cleaning surface for parts as replacement for brush cleaning tables for decentralised cleaning	
Working pressure	ca. 3 – 7,5 bar	ca. 3 – 7,5 bar	ca. 8 – 14 bar	ca. 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 l/min	
Operating temperature	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	
Power consumption heating	10 KW	10 KW	20 KW	6 KW	
Filling	<ul style="list-style-type: none"> • freshwater • detergent • container 	60 litres 5 litres 30 litres	60 litres 5 litres n.a.	60 litres dosing pump n.a.	30 litres n.a. 25 litres
Dim. (LxWxH)	109 x 73 x 118 cm	98 x 55 x 67 cm	98 x 55 x 67 cm	76 x 60 x 116 cm	
Dim. cleaning grid (LxW)	90 x 60 cm	n.a.	n.a.	70 x 50 cm	
Weight net	ca. 100 kg	ca. 65 kg	ca. 78 kg	ca. 60 kg	
Water recycling	30 µm	n.a.	n.a.	100/30 µm	
Capacity of container	ca. 80 kg	n.a.	n.a.	ca. 50 kg	
Sound pressure level	<70 dBA	<70 dBA	<70 dBA	<70 dBA	

Legend: n.a. = not applicable

Technical modifications reserved

ph-cleantec extras:



Mobile cleaning table

1000 SR resp. 600 SR series are additionally equipped with a sturdy parts cleaning surface incl. grid and a special sedimentation method for the application in the water circuit.



Heavy weight collector

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



Cleaning accelerator

In case of extreme pollutions an alkaline, highly efficient cleaning accelerator can be added – if necessary – with anticorrosive resp. cooling lubricant. These detergents are also suited for lacquering preparation and are bio-degradable.



Spray accessories

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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