



CLEENTEK®

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Industrial Cleaning Equipment

www.cleentek.com

Frontloader

Twin Cleener™

IDEAS FOR
CLEANING*

The robust solution



The latest washing system in the Frontloader family is the *Twin Cleener™*, which can be delivered in the following four versions: C90, 130, 150 and 200. The machine comes as standard as a two stage system. This means that the system can be used for the following processes: Wash – Rinse or Wash – Passivate. The system has an extremely robust construction, which is well capable of handling parts up to 2000 kg.

*Simple design with straight lines – the
Twin Cleener™. This is the TC90 model.*





The efficient motor driven square wash system is a unique and pioneered solution.



The Twin Cleener™-series has the very best system for changing between wash and rinse mode.

Operation of the machine

The parts to be cleaned are sprayed like the DF-series with a high flow via the spray bars, which are rotated either by spray pressure or a mechanical drive. The spray bars are mounted with flat pattern nozzles, which provide efficient cleaning results.

Design and user-friendliness

The *Twin Cleener™* is designed in a compact and simple way. Even though the *Twin Cleener™* is constructed to handle a lot of different jobs, it is still important that the machine is not complex – either to look at or operate.

The systems are prepared for mounting different optional extras such as drying and

filtration units, oil skimmers, extraction fan/ steam condenser, discharge pump and chemical dosing. All the extra units can be integrated into the machine without external components, which means that it still is a compact machine with straight lines.

Equipment

The *Twin Cleener™* comes as standard with a Siemens S7 1200 PLC with HMI soft touch panel, which makes it easy to programme different wash cycles.

There is large selection of optional extra equipment for the *Twin Cleener™*. Please see the list on page 20.



Easy access to the system, pumps etc.

Twin Cleener™ frontloader models

MODEL	TC90	TC130	TC150	TC200
Cleaning area	900 x 900 mm	1300 x 1300 mm	1500 x 1500 mm	2000 x 2000 mm
Cleaning height	900 mm	1000 mm	1000 mm	1250 mm
Load height	955 mm	960 mm	920 mm	920 mm
Machine width	1200 mm	1600 mm	2035 mm	2535 mm
Machine length	2300 mm	3000 mm	3210 mm	3410 mm
Machine height (closed / open)	2300 / 3100 mm	2550 / 3700 mm	2550 / 3700 mm	2750 / 3950 mm
Machine weight	850 kg	1750 kg	2120 kg	2650 kg
Max. load	500 kg	1000 kg	2000 kg	2000 kg
Tank capacity - wash / rinse	400 / 300 l	600 / 400 l	850 / 400 l	1150 / 500 l
Temperature	30 > 90°C	30 > 90°C	30 > 90°C	30 > 90°C
Stainless pump - Wash (Standard)	Lowara 1604	Lowara 1604	Lowara 1604	Lowara 1604
Stainless pump - Rinse (Standard)	Lowara 1603	Lowara 1603	Lowara 1603	Lowara 1603
Pump capacity - wash / rinse	200 / 160 l/min.	200 / 160 l/min.	450 / 200 l/min.	480 / 200 l/min.
Pressure / Amount of A-nozzels - wash / rinse	6 / 2 bar / 40 pcs.	6 / 2 bar / 53 pcs.	6,5 / 2 bar / 60 pcs.	6,5 / 2 bar / 75 pcs.
Heating - wash / rinse	18 / 9 kw	18 / 18 kw	27 / 15 kw	36 / 18 kw

Options:

Put the optimum solution together

IDEAS FOR
CLEANING*

Extra equipment for the *Compo and Drum Cleaner™*

We can offer the following extra equipment for the *Compo and Drum Cleaner™*:

- Inlet / outlet conveyor lanes customized as needed
- Conveyor belts: Stainless steel or plastic belt
- Conveyor system with carrier to suit the shape of the components
- Automated control of the conveyor belt via indexing or photocell
- Various washing baskets and fixtures
- Filtration system
- Oil skimmer / oil separator
- Extraction fan
- Steam condenser
- Chemical dosing
- Discharge pump

Extra equipment for front loader and top loader

For the remaining washing equipment in our range, the following options are available:

- 7-day timer, for heating and / or oil skimmer
- Compressed air blow off after washing
- Drying
- Discharge pump
- Oil skimmer
- Extraction fan / steam condenser to remove water vapour
- Motor drive on basket, for uniform rotation - Top loader
- Motor driven square washing system - Front loader
- Pressure filter for effective filtration of the liquid
- Automatic chemical dosing and water filling
- Transport trolley with drip tray
- Load platform with drip tray
- Various baskets and fixtures
- Cleaning chemicals



Steam condenser.



Double type 2 - pressure filter.



Inspection window.



Chemical dosing.



Ventilator/Extraction, stainless HL 10.



Oil separator, type: Cobra



Oil skimmer - disc.



Oil skimmer - belt.



Oil separator, Type: SEPP P2 integrated.

For further information about extra equipment for the different machines - please contact Cleentek. We will assist you by offering the best solution for your individual application.

Options:

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Baskets & Fixtures

Cleentek can also offer many different types of wash baskets and fixtures, which may be necessary for cleaning small or light components. We have a wide range of standard solutions. Please contact us for further information.



Cleaning solutions

We can also provide a large selection of different cleaning solutions for use in our machines. Please contact us for advice on our various products - we will help you make the right choice.



Type 2 - pressure filter



Cartridge filter 10"



Pressure activated detection system



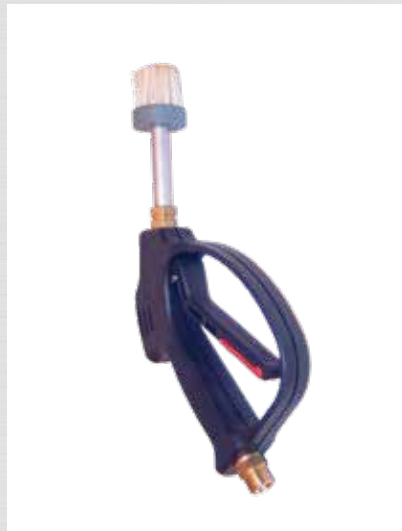
Hopper feed for small parts.



Turn table..



Magnetic filtration.



Manual washing gun.



Oil separator, type: SEPP P1.



Extraction fan HL-14.

Cleentek has manufactured cleaning systems for the following different industry sectors

- Automotive
- Plastic
- Metal
- Aviation/Aerospace
- Chemical
- Medical
- Military
- Optical
- Electronic
- Hydraulic
- Energy
- Marine
- Wind
- Remanufacturing
- Off-shore
- Hospital
- Printing
- Timber

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Designed with purpose

Cleentek is always looking for innovations to improve the solutions we offer our customers. However, we introduce new ideas carefully, in line with strict testing procedures and our philosophy of producing ergonomic and simple equipment.

For us design also means user-friendliness and quality, something that ensures reliability every day, all year round without harming the environment.



HEAD OFFICE:

Cleentek A/S
Pottemagervej 12
DK-7100 Vejle
Denmark
www.cleentek.com
Tel: +45 7022 8499
Email: info@cleentek.com

GERMANY SALES OFFICE:

Hein-Hesø GmbH
Walterscheid-Müller-Straße 7
53797 Lohmar
Germany
www.hein-heso.de
Tel: +49 (0) 2246 94868-0
Email: info@hein-heso.de

UK SALES COMPANY:

Cleentek Ltd
Unit 7, Badger Way
Prenton
Wirral CH43 3HQ
United Kingdom
Tel: +44 (0)844 567 2950
Email: sales@cleentek.com