



GeorgRender GmbH  
Reinigungsanlagen

accessories/equipment



cleaning technology in stainless steel

### drive of the washing basket



An even and low number of revolutions of the washing basket is an important condition for a good washing result !

**standard drive** (without illustration)

turns the washing basket by the nozzle pipe system of the washing pump without imbalance reconciliation. This kind of drive is not regulated.

ALTERNATIVE

**electronically regulated hydraulic drive for the washing basket \***

guarantees an even contactless turning of the washing basket – independent from loading weight or positioning of the washing goods.

ALTERNATIVE

**direct drive for the washing basket \***

guarantees an even turning by gear motor over stainless steel gear wheel.

This kind of drive has to be preferred to the hydraulic drive at determined uses, e.g. at machines with rinsing and/or drying.

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### exhaust air

**evacuation** (without illustration)

at the cover of the machine provides for an atmospheric compensation.

**steam exhaust**

removes the steam arising from the cleaning process over a ventilator or an airmover from the machine interior.

**(edge) exhaust with/without ventilator**

removes the solvent steam arising inside the machine over a welded-in profile and exhausts them downwards.

**steam condensator**

supplementary to the steam exhaust.

Condenses the exhausted steam and leads the condensate back into the machine or collects it in a separate tank for re-use.



### level machine tank

**level control \***

controls the level of the medium inside the tank of the cleaning machine by a probe. With fall short of the minimum level the machine will be switched off.

**automatic level compensation**

fills the tank of the cleaning machine automatically up to the required level and can also complete the cleaning agent at combination with a dosing plant.

**cover lock \***




prevents an early or an unintentional opening of the machine during the operation. At the end of the cleaning process the lock opens only after an adjustable time delay.

**week timer** (without illustration)

controls the lapse of different functions, e.g. the automatic switch on and off of the heating element or of the oilskimmer.



\* necessary for CE-certification at determined machine types and versions.

-  standard – without extra charge
-  available – against extra charge
-  not available

## lengthening of operating life of the medium / recycling systems

To extend the changing intervals of the used cleaning medium different recycling systems can be adapted at or integrated in our cleaning machines.

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### ball cock for oil absorption

simple manual discharge for the medium surface by a ball cock to remove bloated oil/grease.

ALTERNATIVE

### oilskimmer (integrated in machine)

pulls off the bloated grease/oil from the bath surface after a standstill time of the cooled down washing medium.

The control happens automatically by a week timer or an electronic machine control.

ALTERNATIVE

### coalescence precipitators (beside the machine)

separates the dispersed grease/oil from the moved and warm washing medium during the machine operation.

### chip/particle filter with medium cover ★ (integrated in machine)

filters coarse dirt/solids/chips pressure free in return from the cleaning medium, e.g. over pot filters, sheet filters, trough filters.

### bag filter (separate unit)

filters pressure-laterally in the main stream the complete medium from the nozzle pipe system and removes in such way contaminations/dirt/particles/chips up to 5 µ over a replaceable filter bag.

### band filter (separate unit)

filters pressure-free particles/dirt/chips in the main or by-stream from the cleaning medium over a filter-band.

### mud separation/chip filtration (separate unit)

filters weekly or daily the entire washing bath during the circulation into an additional separate tank (incl. bottom rinsing) with automatic return. By building up a filter cake within the low-priced filters (paper, foam, stainless steel sieves) all chips up to 10 µ out of the cleaning medium will be removed. This process can only take place within standstill times of the cleaning machine.

The control happens automatically by the week timer or the electronic machine control.

### micro-/ultrafiltration (separate unit)

separates the emulsified oils in given time intervals over a mechanic separating process with ceramic modules from the cleaning medium (emulsion splitting).

The process extends the using time of the cleaning bath, reduces the waste water and increases the availability of the machine.

This function can take place during the cleaning process as well as during standstill times of the cleaning machine.

## emptying / cleaning of the machine

### ball cock for discharge at machine bottom

for emptying the machine by a ball valve.

Cleaning of the machine bottom happens manually in this case.

### drain device / bottom rinsing with /without tap valve

makes an easy and clean emptying of the machine and an automatic rinsing /cleaning of the tank bottom (removal of the sediments) at the same time without additional liquid consumption and without any further expense possible.





## rinsing / drying

### rinsing

- ECO-rinsing with minimal consumption of cold or warm water from the mains of the operator.
- ECO-rinsing with minimal consumption of water from the mains of the operator **with integrated warm water preparation** by electric heating or heat exchanger.
- cycle rinsing with additional warm water tank (separate unit).  
Please let us advice you individually on the different rinsing variants.

### blow off (cold compressed air)

blows over the the washing goods by a separate one- or three-dimensional nozzle pipe system to remove liquid from the scooping parts.

### drying

takes places by a blast with warm/hot air.

The drying modules have a power of 4 to 10 kW depending on the application and can be doubled or trebled if needed.

## transport of the washing goods

### mobile trolley/carrier with extractable basket

for a loading of the cleaning machine per charge. It makes a flexible and independent charging/loading of the washing basket outside the machine at different places and areas of the company possible.

### isolation

with armaflex or different materials/stainless steel plates.

An isolation is necessary in many cases at use of the machine with high temperatures.




### small parts basket

with different measures and various mesh sizes makes a loading of the washing basket with small parts possible.

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-  available – against extra charge
-  not available

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