

Product information bottle washing machines

New Modell



**Now new
with
Rinser
Function**

*Inventor of the bottle
washing machine with
the intelligent bottle
basket*



***INVENTED IN AUSTRIA, BUILT FOR THE
WORLD!***

**suitable for all bottles from 0.1 l to
2.0 l (or a bottle height of 400 mm),
Beer barrels of up to 30 l in EURO or
DIN standard as well as beverage crates.**

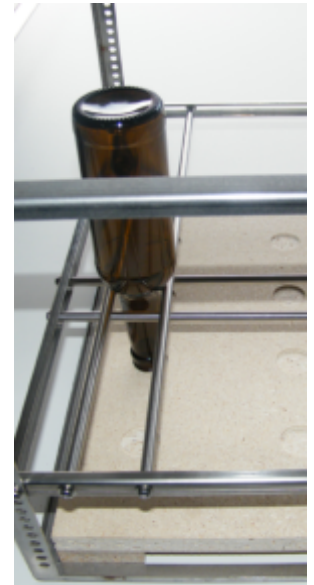
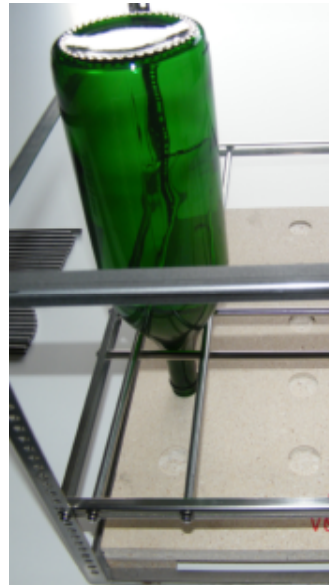
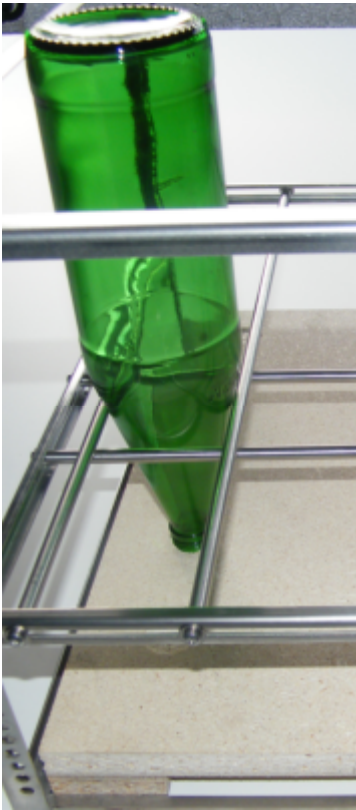
Differences in equipment GS 21 to GS 21 Effizient

GS 21

GS 21 Effizient



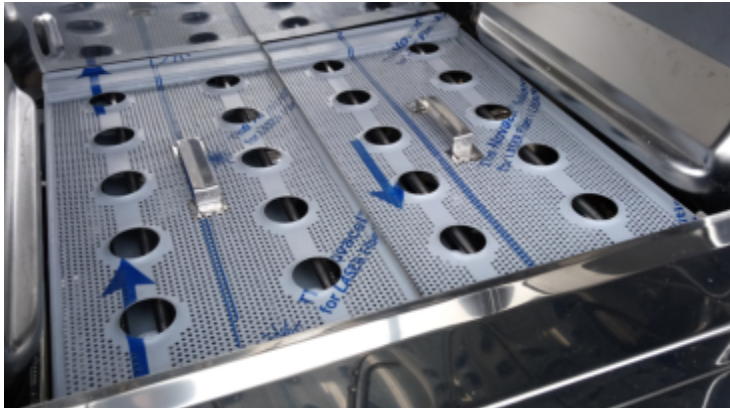
Double walled Housing	Yes	Yes
Double walled Door	Yes	Yes
Footless pressed basket glide bases	Yes	Yes
Tank heating element 9 kW	Yes	Yes
Waschpump 330 ltr./min. 736 W	Yes	Yes
Pressure pump for Rinse	Yes	No
Rinse system bottom fixed top rotating	Yes	Yes
Permanent wash (for pre soaking)	Yes	No
Rinser Function	Yes	No
Wash circle 6 min., Rinse 30 sec.	Yes	Yes
Detergent pump for chemical	Yes	No
Inlet nipple in stainless steel for Chemical	Yes	Yes
Tank capacity 29 ltr.	Yes	Yes
Tank suction filter	Yes	Yes
Usable interior height max. 400 mm	Yes	Yes
Bottle basket in stainless steel	Yes	Yes
crate carrier	Yes	No
Panel filter in stainless steel	Yes	No
Template for basket assembly and small material	Yes	Yes
Possibility of conversion to clean beer barrels max. 30 ltr. Euro/Din standard	Yes	Yes
Installation (water inlet/outlet, electricity, chemical hose) pre-assembled	Yes	Yes



Equipped with a bottle basket as well as a crate carrier insert as standard.
(Modell Effizient without crate carrier)



The rinsing and flushing system which was specially developed for the cleaning of bottles, guarantees that all kinds of bottles (beer bottles, milk bottles, juice bottles, water bottles, yoghurt jars and much more) are washed germ-free inside and outside (max. 20 pcs bottles per rinsing cycle).



2 separate rinsing processes (rinsing and flushing) guarantee hygiene at highest level also for small quantities of items to be rinsed.

Efficient and cost efficient. The strainer makes sure that detached labels from the bottles do not get into the wash water (Not in Effizient)

The washing program takes 6 minutes and 30 seconds. In a washing cycle of 6 minutes barely 2000 litres of detergent solution are circulated in the system. Depending on the type of bottle up to 54% of the circulation rate are flushed in the bottle and the remainder is flushed outside around the bottle. During the rinsing cycle about 8.7 l of fresh water are flushed in and around the bottles.

Rinsing function (Not in Effizient):

By pressing the rinsing button, fresh water will be flushed in and around the bottles for 20 sec. Therefore, the GS 21 needs to be switched off and the overflow pipe needs to be removed.

Functional principle:

The fresh water is controlled with a magnetic valve and conveyed into the washing chamber. Supported by a built-in booster pump the fresh water is sprayed into the washing chamber with the bottom rinsing nozzles.

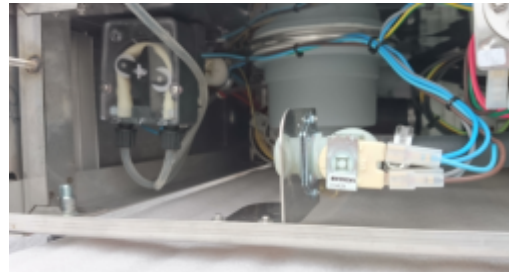
At the same time chemicals for the detergent solution are conveyed into the washing chamber.

There are 2 heaters with a power of 4.5 kW each in the washing chamber. As soon as a filling level in the tank has been attained, the magnetic valve will switch on and the heater will start heating the water to about 57°C. If there is too little current available to the customer it would be possible to disconnect the heater. This would ensure that there will be waiting times between the individual washing cycles. A control lamp shows that the desired temperature has been attained.

By pressing the start button the detergent solution (29 l) in the tank will be circulated in the washing chamber. The washing pump conveys 330 l/min. of detergent solution in the washing chamber and cleans the bottles inside and outside.

In each washing cycle a quantity of fresh water of about 8.7 l is rinsed in and around the bottles with special nozzles. This way, the detergent solution is rinsed from the inside of the bottles and also required chemicals are conveyed into the tank (Not in Effizient) in order to guarantee another hygienic cleaning.

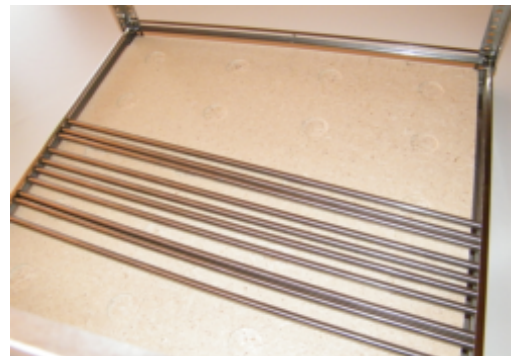
An automatic dosing for the liquid detergent is installed as a standard (Not in Effizient).



The new booster pump guarantees optimum fresh water rinsing after the washing cycle (Not in Effizient).

The recirculating pump for the detergent solution has a circulation rate of 330 l /min.

With our new basket system and the template included in the delivery, it is possible to exactly position any kind of bottles in the bottle basket and thus perfectly clean them from the inside and outside in the bottle washing machine (max. 20 pcs).



In this way, you are not bound to any bottle type and you can rapidly convert e.g. from long-neck bottles to flip top or NRW bottles. Or from 0.5 l milk bottles, e.g. to 1.0 l milk bottles.

The new basket system – as individual as the product of our customers.



By using the conversion KIT for barrel cleaning, it would be possible to convert the bottle washing machine to a barrel cleaning machine within a few minutes.

Rapidly and cost-efficient just as the whole bottle washing machine.



**Please find further references under
www.flaschenwaschen.com/Referenzen**

Hello Erich,

Please find my comment as follows:

the new bottle washing machine is an enormous relief. It works reliably and clean. I could no longer imagine a life without it.

Warm greetings

Rudi



KALTENTALER
Brauhaus

Dear Erich,

Dear Martin,

I would herewith like to thank you for your brilliant bottle washing machine.

After looking for a long time for an easy yet best possible way to clean the bottles in our tavern brewery-I have finally found you.

In February 2016 I picked up the GS21 at your premises only two weeks after having placed my order. Since that day I am absolutely happy and satisfied by our work.

The installation at the site in Kaltental was very easy and in just 20 minutes the machine was already operating. The consumption of detergent is very economic and this with best washing results. Also the final cleaning after the washing cycle could not be any easier.

All in all -a very thoroughly thought project. My compliments

Happy bottle cleaning!

Dominik Schempp

Master brewer

Dear Mr. Baumgartner, Dear Erich!

Our bottle washing machine has been operated for some time now and is working perfectly. The bottles are clean and this way I have no doubts to refill them with milk and deliver the milk to our customers.

Thank you very much for the good cooperation

Kind regards

Dear Mr. Baumgartner,

We are very content about the cleaning results of the bottle rinsing machine.

Kind regards

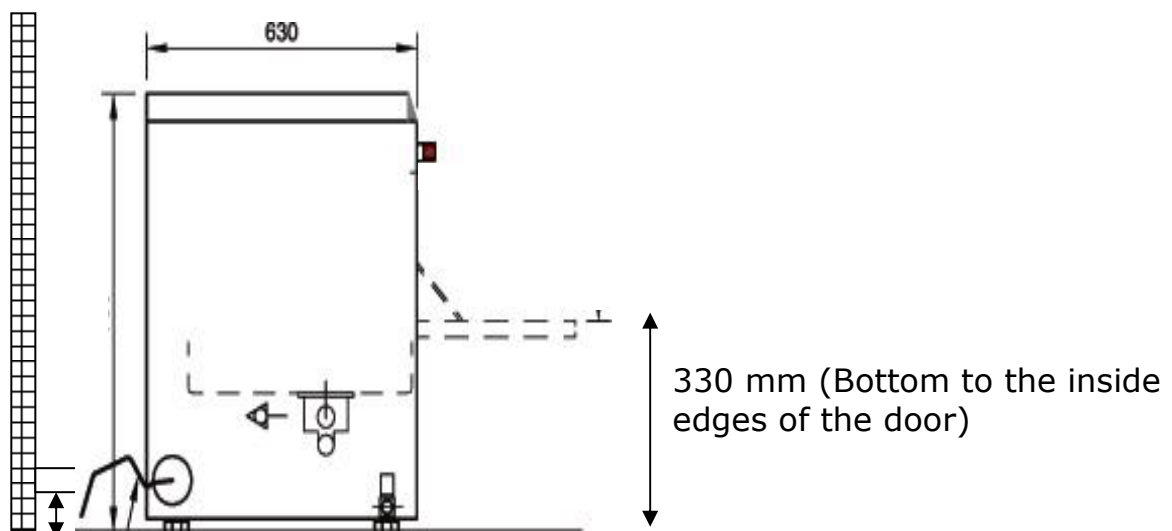
Dipl. Brmst, Michael Moritz
Authorised signatory / Master brewer



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Important installation instructions: The water outlet should not be higher than 60 mm from the machine bottom.
Water supply: 2.5 bar permanent flow pressure, water supply line 3/4"
Power requirement: 10 kW 400 volts



Water drain 50-60 mm from the floor Machine height 820 mm

Technical data:

WEEE-Reg.No.:	DE 51131709
Hourly output	about 190 bottles/h
Number of bottles per rinsing cycle	max. 20 pcs
Rinsing time:	6 min 30 sec.
Pump capacity:	736 W
Circulation rate:	330 l. / min.
Tank heater:	2 x 4500 W
Overall connected load:	9736 W
Voltage:	400 volts
Tank contents:	29 l.
Water consumption/rinsing cycle:	about 8.7 l
Required permanent flow pressure:	2.5 bars
Water supply line / Water drain	¾" 50 mm Ø
Rack height:	Bottles of up to 400 mm
Basket dimensions:	500 x 500 mm
Equipment of baskets:	1 bottle basket
	1 crate carrier for beer crates
Dimensions:	
Width:	580 mm
Depth:	650 mm
Height incl. feet:	820 mm

Example of cost calculation for 10 washing cycles = 200 bottles:

Water consumption:		
Filling of 29 l + 10 washing cycles of 8.7 l = 116 l	= €	0,428
Power consumption:		
At a supply temperature of +6°C about 7 kWh current	= €	1,750
Consumption of chemicals:		
Factory setting 2.2g/l Fresh water = 255 g	= €	1,445

Thus, the cleaning of 200 bottles will cost about € 0,0181 per bottle.

Net prices plus VAT:

GS 21 incl.: 1 bottle basket, 1 crate carrier, dosing pump, strainer, booster pump, template and small items for the construction of the basket. Water inlet, water outlet, power connection and hose for chemical supply are pre-assembled.

GS 21 Effizient incl.: 1 bottle basket, template and small items for the construction of the basket. Water inlet, water outlet, power connection and hose for chemical supply are pre-assembled.

	GS 21 €	4.000,--
	GS 21 Effizient €	2.700,--
	Bottle basket extra €	500,--
	Conversion kit for barrel cleaning €	500,--
	Bottle cleaning chemicals 6 kg package €	45,--
	Enzyme cleaning agent (intensifies the cleaning of e.g. milk bottles) €	25,--

The prices are subject to change. The General Terms and Conditions of the company Erich Baumgartner A-5222 Munderfing are applicable.

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