

THINK NEW. CLEAN GREEN!

**RESPONSIBLE
TO CLIMATE!**

**GENTLE TO
RESOURCES!**

**THRIFTY FOR
THE WALLET!**



RESPONSIBILITY.

SUSTAINABILITY.

BEST ECONOMIC PERFORMANCE.

Acting responsible – cleaning economically

Thanks to our resource friendly technique SPÜLBOY® enables the cleaning of glasses in a best efficient and economic way; and that means in a best possible environmental friendly performance.

3-PIECE GLASS WASHING BRUSH



total costs p.a.
1,924.08 €

ELECTR. GLASS WASHING MACHINE



total costs p.a.
3,607.20 €

SPÜLBOY® GLASS WASHER



total costs p.a.
602.52 €

- ✓ 100% proven, DIN certified glass hygiene
- ✓ cooled, beer-friendly glasses
- ✓ long term protection of glasses and durability of decor
- ✓ minimal water consumption
- ✓ lowest consumption of chemicals with biodegradable tablets
- ✓ no electricity costs

**THINK NEW.
CLEAN GREEN!**



OPERATING COSTS

Test basis: 30 working days per month

CLEAR ADVANTAGE
FOR SPÜLBOY®

WATER CONSUMPTION

Assumption: rinsing 125 glasses per hour, working time 8 hours, so 1,000 glasses per day.
Basis of calculation: price of one cubic meter fresh water 2 €, price of cubic meter sewage 2.77 €
(German price index, source: Focus online 2023)



Cleaning glasses with a 3-piece washing brush legally requires two sinks. The first sink is needed to pre wash the glasses with the brush. The measurement of a standard sink is 40cm x 30cm x 40cm and the brush (height of the brush 25cm) has to be covered by water. This requires a volume of 41L. The water should be changed at least hourly. The second sink is to rinse the glass by fresh water. It requires a permanent circulation of fresh water to keep the water usable. This is done by a flush pipe and takes 750ml each minute.

CALCULATION

- pre-wash sink: 41L x 8h = 328L/day
- rinse sink: 750ml x 60min = 45L/h
- rinse sink: 45L x 8h = 360L
- + approx. 40L initial filling = 400L/day
- 728L x 30 days = 21,840L ~ 21.8m³/month
- 21.8m³ x 2 € = 43.60 € (fresh water)
- 21.8m³ x 2,77 € = 60.39 € (waste water)

water consumption: 21,840L
water consumption: 103.99 €



An electrical glass washing machine is automatically filled up with water (initial filling 16L). An average wash cycle takes about 120-180 seconds. The basket of the tested device can take up 20 glasses. The tested glass washing machine takes 5L each washing cycle.

RECHNUNG

- 25 glasses ~ 5L x 5 = 25L for 125 glasses
- 25L x 8h = 200L/day
- 200L + 16L initial filling = 216L
- 116L x 30 days = 6,480L ~ 6.48m³/mtl.
- 6.48m³ x 2 € = 12.96 € (fresh water)
- 6.48m³ x 2.77 € = 17.95 € (waste water)

water consumption: 6,480L
water consumption: 31 €



SPÜLBOY® glass washer combines spatially separated pre-washing and fresh water rinse systems in one device. This enables the application within one sink. At that SPÜLBOY® convinces with lowest and most efficient water consumption of 10cl per glass. A one-time initially filling is sufficient due to the continuous supply of fresh water released by each rinsing step.

CALCULATION

- 125 glasses x 10cl x 8h = 100L/day
- 100L + 5L initial filling = 105L
- 105L x 30 days = 3,150L ~ 3.15m³/month
- 3.15m³ x 2 € = 6.30 € (fresh water)
- 3.15m³ x 2.77 € = 8.73 € (waste water)

water consumption: 3,150L
water consumption: 15 €

ELECTRICITY

Assumption: rinsing 1,000 glasses, working time 8 hours.
Basis of calculation: price per kilowatt hour 0.40 €
(German price index 2023, source: www.verivox.de)



The application of a 3-piece brush requires two sinks and a continuously water supply

- needs no electricity

Cleaning by a 3-piece brush does not require any electricity but achieves a satisfying cleaning result only under a lot of effort of water and detergents. An additional cleaning step is required as the brush doesn't allow an abrasion all around the glass.

power consumption: 0kWh
electricity costs: 0 €



The tested glass washing machine with 6.7kW consumes

- 25 glasses each basket
- operating time per day (8h):
40 wash cycles of 3min each
-> 120min (1.3h)/day
- costs per kWh: 0.40 €

CALCULATION

- 6,700W x 1.3h = 8.7kWh
- 8.7kWh x 30 days = 261kWh
- 261kWh x 0.40 € = 104.40 €

power consumption: 261kWh
electricity costs: 104.40 €



All manual SPÜLBOY® glass washers work

- completely without electricity
- environmental friendly
- with lowest water consumption

The effectiveness and cleaning performance is granted by the combination of fresh, cold water, our special SPÜLBOY® glass washing tabs and especially the mechanical abrasion forces of the brush at the glasses inner and outer side.

power consumption: 0kWh
electricity costs: 0 €

OPERATING COSTS

Test basis: 30 working days per month

CRYSTAL CLEAR FACTS!

DETERGENTS

Assumption: rinsing an average of 1,000 glasses, working time 8 hours
The price information is based on average values.



A liquid glass washing chemical is usually used, approx. 10ml per 41,6L (pre-rinse sink).
1L liquid glass washing chemical: 12.50 €.

CALCULATION

- 12.50 €/1,000 = 0.013 €/month
- 0.013 € x 10ml = 0.13 €/dosage flushing water change 1x hourly
- 0.13 € x 8h
- detergent costs = 1.04 €/day

For **additional** care of the brushes, we recommend the daily use of a brush cleaner. We hereby calculated with our NU® brush cleaner:

CALCULATION SANITIZER POWDER

- 13.40 €/750g = 0.0178 €/g
- 0.0178 € x 30 g = 0.54 €

SUM UP

1.04 € (liquid) + 0.54 € (powder)
= 1.58 €/day

detergents: 47.40 €



Electrical glass washing machines need

- rinse aid -> 10L: 50.50 € = 0.005 €/ml
- cleanser -> 10L: 63.14 € = 0.006 €/ml
- salt -> 2,000g: 3.15 € = 0.0016 €/g

The tested machine consumes

- rinse aid: 1.26ml each liter passed through
- cleanser: 1.37ml each liter passed through
- salt: 12.5g each wash cycle

The tested machine has a water passage of 5L each washing cycle.

CALCULATION RINSE AID

- 1.26ml x 5L = 6.3ml each wash cycle
- 6.3ml x 0.005 € = 0.03 €
- 0.03 x 16 = 0.48 €/day rinse aid

CALCULATION CLEANSER

- 1.37ml x 5L = 6.85ml each wash cycle
- 6.85ml x 0.006 € = 0.04 €
- 0.04 € x 16 = 0.64 €/day cleanser

CALCULATION SANITIZER POWDER

- 3.15 €/2,000g = 0.0016 €/g
- 0.0016 € x 12.5 x 16 = 0.32 €/day salt

SUM UP

0.48 € (rinse aid) + 0.64 € (cleanser)
+ 0.32 € (salt)

detergents: 43.20 €



One (1) original SPÜLBOY NU® glass washing tab grants hygienic clean results for approx. 4 hours.
1 can of NU® tabs: 19.90 € (100pcs.)

CALCULATION

- 19.90 € : 100
- 1 tab = 0.20 €
- 2 tabs à 0.20 € = 0.40 €/day

For **additional** care of the brushes (middle brush & brush strips) we recommend a daily use of the SPÜLBOY NU® brush cleaner. Each application needs approx. 30g.
1 can of NU® sanitizer powder: 13.40 € (750g)

CALCULATION SANITIZER POWDER

- 13.40 €/750g = 0.0178 €/g
- 0.0178 € x 30g = 0.54 €

SUM UP

0.40 € (tabs) + 0.54 € (powder)
= 0.94 €/day

detergents: 28 €

REPLACEMENT AND MAINTENANCE



NEW PURCHASE EVERY 2 MONTHS

INVEST

The price information is based on average values.

CALCULATION

- 3-piece brush 3 x 25cm: 17.50 €
- installation: 0 €
- total costs: 17.50 €
- **17.50 € x 6/12 months = 8.95 €/months**

invest: 8.95 €

REPLACEMENT & MAINTENANCE

CALCULATION

- none
- external service fees: 0 €
- **total costs: 0 €**

replacement & maintenance: 0 €

invest: 8.95 €
replacement & maintenance: 0 €

total costs: 8.95 €



SERVICE PERIOD 5 YEARS

INVEST

The price information is based on average values.

CALCULATION

- glass washing machine: 5,523 €
- installation, setting, instruction: approx. 320 €
- delivery (if necessary) approx. 50 € (not taken into account)
- total costs: 5,843 €
- **5,843 €/60 month = 97.38 €/month**

invest: 97 €

REPLACEMENT & MAINTENANCE

CALCULATION

- according to manufacture minimum twice a year maintenance service by external professionals: approx. 150 €
- plus extraordinary repairs (not taken into account)
- total costs: 300 € net
- **300 €/12 month = 25 €/month**

replacement & maintenance: 25 €

invest: 97 €
replacement & maintenance: 25 €

total costs: 122 €



SERVICE PERIOD 3 YEARS

INVEST

The price information is based on average values.

CALCULATION

- SPÜLBOY®: 139 €
- installation: 0 €
- total costs: 139 €
- **139 €/36 month = 3.86 €/month**

invest: 3.86 €

REPLACEMENT & MAINTENANCE

CALCULATION

- 2x brush head: 9.60 €
- 1x middle brush: 14.70 €
- 1x brush strip: 18 €
- external service fees: 0 €
- **42.30 €/12 month = 3.53 €/month**

replacement & maintenance: 3.53 €

invest: 3.86 €
replacement & maintenance: 3.53 €

total costs: 7.39 €



UNIQUE GLASS WASHING CULTURE

- ✓ climate protection
- ✓ resource-saving
- ✓ economics



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