

Bartscher

ON POINT

DISHWASHING TECHNOLOGY

OUR DISHWASHERS ... and more





THE FULL PACKAGE

DISHWASHING TECHNOLOGY AND ACCESSORIES

From dishwasher to cutlery holder

From purchase to connection

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Because we
want
you to ...



The all-round offer – Bartscher dishwashing technology

Our objective with our range of dishwashers:
A broad selection to offer the right product
for every application area.

From glass and universal
dishwashers with different
rack sizes and spacious
pan dishwashers, to
high-performance
pass-through and
basket transport
dishwashers.

... shine
with your
crockery



The first impression counts and remains

No matter in which gastronomy, whether it's the stylish bar, the cosy café, the chic restaurant, or in the simple cafeteria or nursery kitchen: one of the first impressions the guest gets is the cleanliness and shine of the crockery.

Dirty, calcified or dull crockery affects the enjoyment and well-being when consuming food and drinks and leaves a lasting impression – because you eat with your eyes after all.

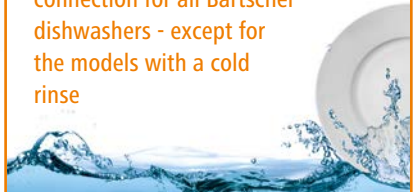


Shine & cleaning power =
Satisfaction for everyone

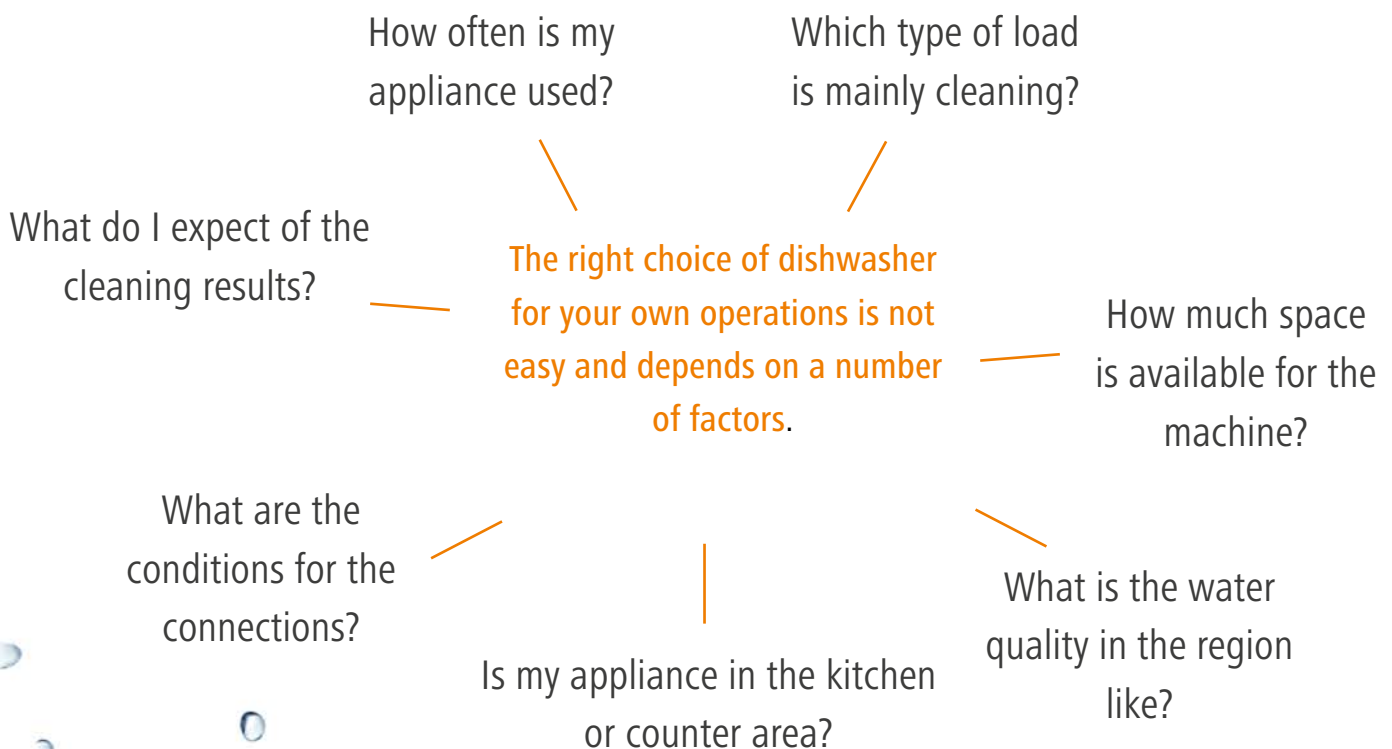
The use of a dishwasher that is tailored to the needs and challenges makes the dishes shine and the eyes of your guests light up - and ultimately you yourself shine.



We recommend a hot water connection for all Bartscher dishwashers - except for the models with a cold rinse



Which model of dishwasher is the right one?



We are there for you, with help and advice

The following pages not only offer an overview of our machines, their features and areas of application. We also provide you with comprehensive information about optimal dishwashing conditions and answers to frequently asked questions about dishwashing technology.

When it comes to dishwashing, we also have a wide range of accessories and services!

Find the right model with the ideal features for your operations. We are happy to advise you - from the perfect product, through planning to appliance connection.



Bartscher glass and universal dishwashers

Extensive
series and model variety



The E-series Glass and universal dishwashers

- Introductory models
- 230 V
- Ready to plug in



The C-series Glass and universal dishwashers

- Choice of various models with different features
- 230 V



The M-series Glass and universal dishwashers

- Choice of various models with different features
- 400 V
- Cold rinse
- Digital display

The Bartscher range of glass and universal washers includes 6 series with a wide variety of designs and features.

So we and you can be sure that our product range offers the right dishwasher for every requirement.



Before we go into detail on the following pages, here is an overview of the top features that each model in each series is equipped with.



The P-series universal dishwashers

- Choice of various models with different features
- 400 V
- Soft start cleaning pump
- Self-cleaning
- Double-walled
- Digital display

The extra offered by PPlus-models: Tray size: 600 x 400 mm



The K-series Glass and universal dishwashers

- Choice of various models with different features
- 400 V
- Cleaning kit
- Self-cleaning
- Strainer
- Double-walled



The EcoPlus-series universal dishwashers

- Choice of various models with different features
- 400 V
- Rinse pump
- Break tank
- Self-cleaning
- Strainer
- Double-walled



The E-series

Ease of use does
not conflict with
good cleaning performance

The series offers

- 2 glass dishwashers
- 1 universal dishwasher

with the following features:

- Basket dimensions:
350 x 350 mm | 400 x 400 mm | 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Cold rinse (model-dependent)
- Hourly output: 30 baskets
- Tank volume: 11 litres | 15 litres | 25 litres
- Double-walled door

Our easy-to-use, plug-in entry-level models are ideal for use in cafeterias, bars or coffee shops.

The 3 models in different versions can be operated very intuitively and therefore do not require extensive training for the staff. To us, simple means high quality combined with easy technology.

See for yourself!



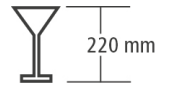
Dishwasher GS E350 LPR

110350

GTIN 4015613800196



- Basket dimensions: 350 x 350 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 220 mm
- Output / hour: 30 baskets
- Tank volume: 11 litres
- Double-walled door
- Connected load: 2.7 kW | 230 V | 50 Hz | Ready to plug in
- Dimensions: W 430 x D 550 x H 668 mm



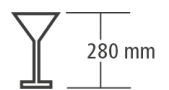
Dishwasher GS E400 LPR K

110400

GTIN 4015613800202



- Basket dimensions: 400 x 400 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Cold rinse
- Max. glasses height: 280 mm
- Output / hour: 30 baskets
- Tank volume: 15 litres
- Double-walled door
- Connected load: 3.1 kW | 230 V | 50 Hz | Ready to plug in
- Dimensions: W 468 x D 580 x H 725 mm



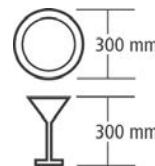
Dishwasher US E500 LPR

110500

GTIN 4015613801896



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 300 mm
- Max. plate height: 300 mm
- Output / hour: 30 baskets
- Tank volume: 25 litres
- Double-walled door
- Connected load: 3.4 kW | 230 V | 50 Hz | Ready to plug in
- Dimensions: W 595 x D 650 x H 825 mm







The C-series

Multifaceted variety of series,
which impresses with its simple,
yet informative usability

The series offers

- 3 glass dishwashers
- 3 universal dishwashers

with the following features:

- Basket dimensions: 350 x 350 mm | 500 x 500 mm
- Rinse aid pump
- Lye pump (model-dependent)
- Detergent dosing pump (model-dependent)
- Water softener (model-dependent)
- Hourly output: 30 baskets | 30 / 20 baskets
- Tank volume: 12 litres | 29 litres
- Double-walled door | double-walled (model-dependent)

A series with a wide range of equipment features - tailored to the most diverse requirements.

These models impress with an informative operating panel and simple handling, amongst other.

Due to their double-walled design, the C-Series glass dishwashers run very quietly and are therefore the ideal models for use in the counter area.

In any case, the series has the right machine ready to meet your on-site requirements.



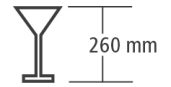
Dishwasher GS C350 LP

110360

GTIN 4015613805382



- Basket dimensions: 350 x 350 mm
- Rinse aid pump
- Lye pump
- Max. glasses height: 260 mm
- Output / hour: 30 baskets
- Tank volume: 12 litres
- Double-walled
- Connected load: 2.59 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 410 x D 480 x H 672 mm



Dishwasher GS C350 LPR

110361

GTIN 4015613805399



- Basket dimensions: 350 x 350 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 260 mm
- Output / hour: 30 baskets
- Tank volume: 12 litres
- Double-walled
- Connected load: 2.59 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 410 x D 480 x H 672 mm



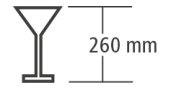
Dishwasher GS C350 RW

110362

GTIN 4015613805405



- Basket dimensions: 350 x 350 mm
- Rinse aid pump
- Water softener
- Detergent dosing pump
- Max. glasses height: 260 mm
- Output / hour: 30 baskets
- Tank volume: 12 litres
- Double-walled
- Connected load: 2.59 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 410 x D 480 x H 672 mm



Dishwasher US C500 LP

110530

GTIN 4015613805443



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Max. glasses height: 320 mm
- Max. plate height: 345 mm
- Output / hour: 30 / 20 baskets
- Tank volume: 29 litres
- Double-walled door
- Connected load: 3.45 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 590 x D 640 x H 845 mm



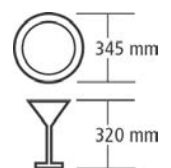
Dishwasher US C500 LPR

110531

GTIN 4015613805450



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 320 mm
- Max. plate height: 345 mm
- Output / hour: 30 / 20 baskets
- Tank volume: 29 litres
- Double-walled door
- Connected load: 3.45 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 590 x D 640 x H 845 mm



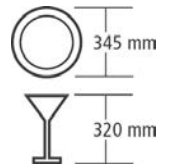
Dishwasher US C500 LPWR

110532

GTIN 4015613805467



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Max. glasses height: 320 mm
- Max. plate height: 345 mm
- Output / hour: 30 / 20 baskets
- Tank volume: 29 litres
- Double-walled door
- Connected load: 3.45 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 590 x D 640 x H 845 mm







The M-series

Strong overall package
for highly frequented
catering establishments

The series offers

- 3 glass dishwashers
- 3 universal dishwashers

with the following features:

- Basket dimensions: 400 x 400 mm | 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump (model-dependent)
- Water softener (model-dependent)
- Cold rinse
- Hourly output: 60 / 40 / 30 / 20 baskets
- Tank volume: 14.5 litres | 29 litres
- Double-walled door
- Strainer (model-dependent)

From basic to full features.

When it comes to technology, the dishwashers in the M-series leave nothing to be desired. What does that mean?

4 cleaning programs, digital display with boiler and tank temperature display, a rinse aid dosing pump and a lye pump.

With the cold rinse available as standard, the models are perfectly designed for busy catering establishments.

A detergent dosing pump and a water softener are also integrated in selected machines.

Our sales team will be happy to help you choose the right machine!



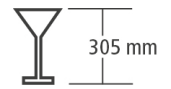
Dishwasher GS M400 LP K

110461

GTIN 4015613805412



- Basket dimensions: 400 x 400 mm
- Rinse aid pump
- Lye pump
- Cold rinse
- Max. glasses height: 305 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 14.5 litres
- Double-walled door
- Connected load: 3.2 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 450 x D 560 x H 696 mm



Dishwasher GS M400 LPR K

110462

GTIN 4015613805429



- Basket dimensions: 400 x 400 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Cold rinse
- Max. glasses height: 305 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 14.5 litres
- Double-walled door
- Connected load: 3.2 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 450 x D 560 x H 696 mm



M-SERIES | GLASS DISHWASHERS

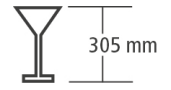
Dishwasher GS M400 LPWR K

110463

GTIN 4015613805436



- Basket dimensions: 400 x 400 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Cold rinse
- Max. glasses height: 305 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 14.5 litres
- Double-walled door
- Connected load: 3.2 kW | 230 V | 50 Hz | 1 NAC
- Dimensions: W 450 x D 560 x H 696 mm



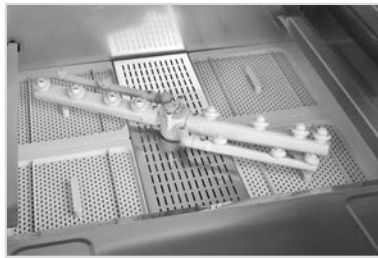
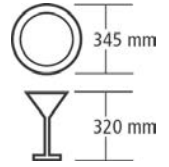
Dishwasher US M500 LP K

110540

GTIN 4015613805474



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Cold rinse
- Max. glasses height: 320 mm
- Max. plate height: 345 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 29 litres
- Double-walled door
- Connected load: 5.15 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 590 x D 630 x H 840 mm



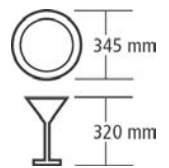
Dishwasher US M500 LPR K

110541

GTIN 4015613805481



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Cold rinse
- Max. glasses height: 320 mm
- Max. plate height: 345 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 29 litres
- Double-walled door
- Connected load: 5.15 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 590 x D 630 x H 840 mm



M-SERIES | UNIVERSAL DISHWASHERS

US M500 LPWR K

110542

GTIN 4015613805498



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Cold rinse
- Max. glasses height: 320 mm
- Max. plate height: 345 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 29 litres
- Double-walled door
- Connected load: 5.15 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 590 x D 630 x H 840 mm







The P-series

Premium in terms
of design, technology,
ease of use and benefits

The series offers

- 4 universal dishwashers

with the following features:

- Basket dimensions: 500 x 500 mm
- Max. tray size: 600 x 400 mm (model-dependent)
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Water softener (model-dependent)
- Hourly output: 60 / 40 / 30 / 20 baskets
- Tank volume: 16.5 litres
- Self-cleaning
- Soft start cleaning pump
- Double-walled

The "P" of the P series stands for premium and is representative of features that make the model series stand out: Double-walled design with a close-meshed stainless steel sieve and stainless steel rinsing arms, 4 washing programs, a smooth soft start that is gentle on dishes and machines and removable rinsing nozzles.

And how to the "PPlus" machine different from the basic models? In combination with our rinsing grate 500, even large dishes such as trays, butcher boxes and baking trays can be cleaned in these appliances without any problems.

The two model versions "P" and "PPlus" are available with and without a built-in water softener.

Fully optional, to meet your expectations and needs!



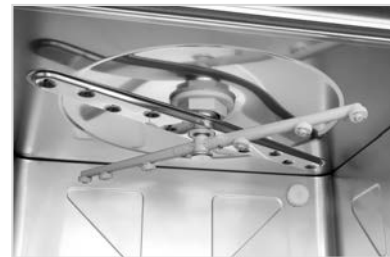
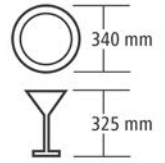
Dishwasher US P500 LPR

111678

GTIN 4015613779973



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 325 mm
- Max. plate height: 340 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 16.5 litres
- Double-walled
- Connected load: 5.15 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 600 x D 640 x H 850 mm



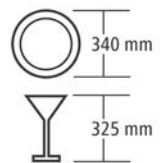
Dishwasher US P500 LPWR

111680

GTIN 4015613766843



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Max. glasses height: 325 mm
- Max. plate height: 340 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 16.5 litres
- Double-walled
- Connected load: 5.15 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 600 x D 640 x H 850 mm



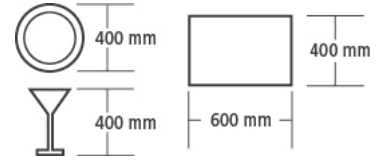
Dishwasher US PPlus500 LPR

109640

GTIN 4015613800172



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 400 mm
- Max. plate height: 400 mm
- Max. tray size: 600 x 400 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 16.5 litres
- Double-walled
- Connected load: 6.65 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 600 x D 705 x H 850 mm



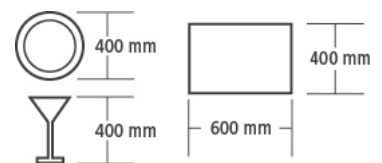
Dishwasher US PPlus500 LPWR

109641

GTIN 4015613800189



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Max. glasses height: 400 mm
- Max. plate height: 400 mm
- Max. tray size: 600 x 400 mm
- Output / hour: 60 / 40 / 30 / 20 baskets
- Tank volume: 16.5 litres
- Double-walled
- Connected load: 6.65 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 600 x D 705 x H 850 mm







The K-series

The **K** clever machines
fully equipped with
integrated cleaning kit

The series offers

- 1 glasses dishwasher
- 1 universal dishwasher

with the following features:

- Basket dimensions: 400 x 400 mm | 500 x 500 mm
- Cleaning kit
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Water softener
- Hourly output: 40 / 30 / 24 baskets | 60 / 40 / 20 baskets
- Tank volume: 8 litres | 15 litres
- Self-cleaning
- Double-walled
- Strainer

Not every kitchen offers enough space and storage space for large dishwashers and the necessary canisters for cleaning agents, rinse aid and the like.

Our two models from the K-series are the perfect solution here: the pre-assembled set is very space-saving with the two canisters for detergent and rinse aid.

In combination with the double-walled construction, the machines are more than predestined for use in the bar and counter area.

Those two features already convince you? But the K-series offers much more beside: a strainer keeps the inside extra clean. In addition, the appliances are equipped with everything that a good, professional dishwasher needs - including a water softener.

Could things get any better?



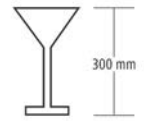
Dishwasher GS K400 LPWR K

110644

GTIN 4015613762388



- Basket dimensions: 400 x 400 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Cleaning kit
- Max. glasses height: 300 mm
- Output / hour: 40 / 30 / 24 baskets
- Tank volume: 8 litres
- Double-walled
- Connected load: 3.4 kW | 230 V | 50 Hz | Ready to plug-in
- Dimensions: W 465 x D 620 x H 677 mm



Space-saving: Cleaning kit with 2 canisters – 1 x detergent + 1 x rinse aid



Dishwasher US K500 LPWR K

110645

GTIN 4015613767741



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Cleaning kit
- Max. glasses height: 260 mm
- Max. plate height: 270 mm
- Output / hour: 60 / 40 / 20 baskets
- Tank volume: 15 litres
- Double-walled
- Connected load: 7.9 kW | 400 V | 50 Hz | Ready to plug-in
- Dimensions: W 600 x D 710 x H 825 mm



Space-saving: Cleaning kit with 2 canisters – 1 x detergent + 1 x rinse aid







The EcoPlus-series

Highest hygiene standard
with low operating costs and
considerable energy savings

The series offers

- 2 universal dishwashers

with the following features:

- Basket dimensions: 500 x 500 mm
- Max. tray size: 530 x 325 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Water softener (model-dependent)
- Hourly output: 60 / 40 / 30 / 20 / 10 / 6 baskets
- Tank volume: 10 litres
- Double-walled
- Hygiene-Plus program
- Regenerating rinse cycle
- Self-cleaning
- Strainer

The EcoPlus-series boasts a hygiene plus program and therefore ensures hygiene at the highest level. Thanks to the rinsing pump with break tank, the machines are ready for operation more quickly and are independent of water pressure.

The combination of thermal disinfection, self-cleaning program and partial tank emptying ensures perfectly clean, germ-free dishes and thereby complies with hygiene standards. This model series is also a pioneer in terms of energy and cost savings. Thanks to the regenerating rinse cycle, the consumption of water, energy, detergents and rinse aids is reduced.

The pre-installed programs do not clean certain items at the ideal temperature? With the personalised cleaning program, the desired temperature can be set.

All in all ... simply eco!



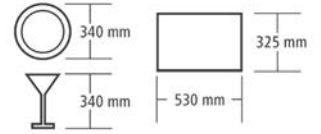
Dishwasher US EcoPlus500 LPR

110666

GTIN 4015613769332



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 340 mm
- Max. plate height: 340 mm
- Max. tray size: 530 x 325 mm
- Output / hour: 60 / 40 / 30 / 20 / 10 / 6 baskets
- Tank volume: 10 litres
- Double-walled
- Connected load: 6.65 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 600 x D 645 x H 850 mm



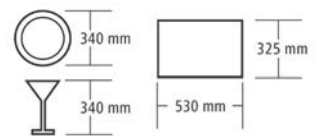
Dishwasher US EcoPlus500 LPWR

110668

GTIN 4015613771656



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Water softener
- Detergent dosing pump
- Max. glasses height: 340 mm
- Max. plate height: 340 mm
- Max. tray size: 530 x 325 mm
- Output / hour: 60 / 40 / 30 / 20 / 10 / 6 baskets
- Tank volume: 10 litres
- Double-walled
- Connected load: 6.65 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 600 x D 645 x H 850 mm



GLASS DISHWASHERS IN COMPARISON

	E-series		C-series	
	GS E350 LPR	GS E400 LPR K	GS C350 LP	GS C350 LPR
	110350	110400	110360	110361
MODEL				
Basket dimensions	350 x 350 mm	400 x 400 mm	350 x 350 mm	350 x 350 mm
Glasses height max.	220 mm	280 mm	260 mm	260 mm
Plate height max.	–	–	–	–
Tray size max.	–	–	–	–
FEATURES				
Clear rinsing dosing pump	✓	✓	✓	✓
Lye pump	✓	✓	✓	✓
Water softener	–	–	–	–
Detergent dosing pump	✓	✓	–	✓
Cold rinse	–	✓	–	–
Self-cleaning	–	–	–	–
Strainer	–	–	–	–
Door double-walled	✓	✓	✓	✓
Double-walled	–	–	✓	✓
Safety thermostat	✓	✓	✓	✓
Cleaning kit	–	–	–	–
TECHNICAL DATA				
Cycle time (seconds)	120	120	120	120
Max. output / hour	30 baskets	30 baskets	30 baskets	30 baskets
Number of cleaning programs	1	1	1	1
Tank volume	11 litres	15 litres	12 litres	12 litres
Water consumption at 2 bar	2 litres / cycle	2.5 litres / cycle	1.4 litres / cycle	1.4 litres / cycle
Water pressure	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar
Water inlet	3/4"	3/4"	3/4"	3/4"
Water outlet	Ø 20 mm	Ø 20 mm	Ø 20 mm	Ø 20 mm
Water intake temperature	Up to 60 °C	Up to 60 °C	5°C to 60°C	5 °C to 60 °C
Tank heater	2 kW	2 kW	1.25 kW	1.25 kW
Boiler heater	2.4 kW	2.8 kW	2.4 kW	2.4 kW
Dry-run protection	✓	✓	✓	✓
Display	–	–	–	–
Equipment connection	Ready to plug in	Ready to plug in	1 NAC	1 NAC
Connected load	2.7 kW 230 V 50 Hz	3.1 kW 230 V 50 Hz	2.59 kW 230 V 50 Hz	2.59 kW 230 V 50 Hz
Can be fitted below the counter	✓	✓	✓	✓
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Dimensions (W x D x H)	430 x 550 x 668 mm	468 x 580 x 725 mm	410 x 480 x 672 mm	410 x 480 x 672 mm
Weight	28.4 kg	34.2 kg	31.6 kg	31.8 kg
ACCESSORIES INCLUDED				
Glasses basket	–	–	–	–
Plate basket	–	1	–	–
Universal basket	2	2	2	2
Cutlery holder	1	1	1	1
Saucer insert	–	–	1	1
Filling funnel for salt	–	–	–	–
Water supply hose	1	1	1	1
Water discharge hose	1	1	1	1

	M-series				K-series
GS C350 RW	GS M400 LP K	GS M400 LPR K	GS M400 LPWR K	GS K400 LPWR K	
110362	110461	110462	110463	110644	
350 x 350 mm	400 x 400 mm	400 x 400 mm	400 x 400 mm	400 x 400 mm	
260 mm	305 mm	305 mm	305 mm	300 mm	
–	–	–	–	–	
–	–	–	–	–	
✓	✓	✓	✓	✓	
–	✓	✓	✓	✓	
✓	–	–	✓	✓	
✓	–	✓	✓	✓	
–	✓	✓	✓	–	
–	–	–	–	✓	
–	–	–	–	✓	
✓	–	–	–	✓	
✓	–	–	–	✓	
✓	✓	✓	✓	✓	
–	–	–	–	✓	
120	60 / 90 / 120 / 180	60 / 90 / 120 / 180	60 / 90 / 120 / 180	90 / 120 / 150	
30 baskets	60 baskets	60 baskets	60 baskets	40 baskets	
1	4	4	4	3	
12 litres	14.5 litres	14.5 litres	14.5 litres	8 litres	
1.4 litres / cycle	1.8 litres / cycle	1.8 litres / cycle	1.8 litres / cycle	1.6 litres / cycle	
2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	
3/4"	3/4"	3/4"	3/4"	G 3/4" M	
Ø 20 mm	Ø 20 mm	Ø 20 mm	Ø 20 mm	Ø 18 mm	
5 °C to 60 °C	5 °C to 60 °C	5 °C to 60 °C	5 °C to 60 °C	15 °C to 60 °C	
1.25 kW	1.25 kW	1.25 kW	1.25 kW	0.6 kW	
2.4 kW	2.8 kW	2.8 kW	2.8 kW	2.6 kW	
✓	✓	✓	✓	✓	
–	✓	✓	✓	✓	
1 NAC	1 NAC	1 NAC	1 NAC	Ready to plug in	
2.59 kW 230 V 50 Hz	3.2 kW 230 V 50 Hz	3.2 kW 230 V 50 Hz	3.2 kW 230 V 50 Hz	3.4 kW 230 V 50 Hz	
✓	✓	✓	✓	✓	
Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
410 x 480 x 672 mm	450 x 560 x 696 mm	450 x 560 x 696 mm	450 x 560 x 696 mm	465 x 620 x 677 mm	
33.4 kg	34.2 kg	34.2 kg	36.6 kg	36.6 kg	
–	–	–	–	1	
–	–	–	–	–	
2	2	2	2	1	
1	1	1	1	1	
1	1	1	1	–	
1	–	–	1	1	
1	1	1	1	1	
1	1	1	1	1	

UNIVERSAL DISHWASHERS IN COMPARISON

	E-series		C-series			M-series		
	US E500 LPR	US C500 LP	US C500 LPR	US C500 LPWR	US M500 LP K	US M500 LPR K	US M500 LP K	
	110500	110530	110531	110532	110540	110541	110542	
MODEL								
Basket dimensions	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	
Glasses height max.	300 mm	320 mm	320 mm	320 mm	320 mm	320 mm	320 mm	
Plate height max.	300 mm	345 mm	345 mm	345 mm	345 mm	345 mm	345 mm	
Tray size max.	-	-	-	-	-	-	-	
FEATURES								
Clear rinsing dosing pump	✓	✓	✓	✓	✓	✓	✓	
Lye pump	✓	✓	✓	✓	✓	✓	✓	
Water softener	-	-	-	✓	-	-	-	
Detergent dosing pump	✓	-	✓	✓	-	✓	✓	
Cold rinse	-	-	-	-	✓	✓	✓	
Break tank	-	-	-	-	-	-	-	
Rinse pump	-	-	-	-	-	-	-	
Self-cleaning	-	-	-	-	-	-	-	
Strainer	-	-	-	-	✓	✓	✓	
Door double-walled	✓	✓	✓	✓	✓	✓	✓	
Double-walled	-	-	-	-	-	-	-	
Safety thermostat	✓	✓	✓	✓	✓	✓	✓	
Cleaning kit	-	-	-	-	-	-	-	
TECHNICAL DATA								
Cycle time (seconds)	120	120 / 180	120 / 180	120 / 180	60 / 90 / 120 / 180	60 / 90 / 120 / 180	60 / 90 / 120 / 180	
Max. output / hour	30 baskets	30 baskets	30 baskets	30 baskets	60 baskets	60 baskets	60 baskets	
Number of cleaning programs	1	2	2	2	4	4	4	
Tank volume	25 litres	29 litres	29 litres	29 litres	29 litres	29 litres	29 litres	
Water consumption at 2 bar	2.7 litres / cycle	2.3 litres / cycle	2.3 litres / cycle	2.3 litres / cycle	2.3 litres / cycle	2.3 litres / cycle	2.3 litres / cycle	
Water pressure	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	
Water inlet	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
Water outlet	Ø 20 mm	Ø 20 mm	Ø 20 mm	Ø 20 mm	Ø 20 mm	Ø 20 mm	Ø 20 mm	
Water intake temperature	Up to 60 °C	5°C to 60°C	5 °C to 60 °C	5 °C to 60 °C	5 °C to 60 °C	5 °C to 60 °C	5 °C to 60 °C	
Tank heater	2.8 kW	2.7 kW	2.7 kW	2.7 kW	2.7 kW	2.7 kW	2.7 kW	
Boiler heater	2.8 kW	2.8 kW	2.8 kW	2.8 kW	4.5 kW	4.5 kW	4.5 kW	
Dry-run protection	✓	✓	✓	✓	✓	✓	✓	
Indicator display	-	-	-	-	✓	✓	✓	
Equipment connection	Ready to plug in	1 NAC	1 NAC	1 NAC	3 NAC	3 NAC	3 NAC	
Connected load	3.4 kW 230 V 50 Hz	3.45 kW 230 V 50 Hz	3.45 kW 230 V 50 Hz	3.45 kW 230 V 50 Hz	5.15 kW 400 V 50 Hz	5.15 kW 400 V 50 Hz	5.15 kW 400 V 50 Hz	
Can be fitted below the counter	✓	✓	✓	✓	✓	✓	✓	
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
Dimensions (W x D x H)	595 x 650 x 825 mm	590 x 640 x 845 mm	590 x 640 x 845 mm	590 x 640 x 845 mm	590 x 630 x 840 mm	590 x 630 x 840 mm	590 x 630 x 840 mm	
Weight	48.6 kg	57.8 kg	57.4 kg	60.2 kg	59.4 kg	60.6 kg	60.6 kg	
ACCESSORIES INCLUDED								
Glasses basket	-	-	-	-	-	-	-	
Plate basket	1	1	1	1	1	1	1	
Universal basket	1	1	1	1	1	1	1	
Cutlery holder	1	1	1	1	1	1	1	
Saucer insert	-	-	-	-	-	-	-	
Filling funnel for salt	-	-	-	1	-	-	-	
Water supply hose	1	1	1	1	1	1	1	
Water discharge hose	1	1	1	1	1	1	1	

	P-series				K-series	EcoPlus-series	
US LPWR K	US PPlus500 LPR	US PPlus500 LPWR	US P500 LPR	US P500 LPWR	US K500 LPWR K	US EcoPlus500 LPR	US EcoPlus500 LPWR
10542	109640	109641	111678	111680	110645	110666	110668
500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm
420 mm	400 mm	400 mm	325 mm	325 mm	260 mm	340 mm	340 mm
445 mm	400 mm	400 mm	340 mm	340 mm	270 mm	340 mm	340 mm
–	600 x 400 mm	600 x 400 mm	–	–	–	530 x 325 mm	530 x 325 mm
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	–	✓	–	✓	✓	–	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	–	–	–	–	–	–	–
–	–	–	–	–	–	✓	✓
–	–	–	–	–	–	✓	✓
–	✓	✓	✓	✓	✓	✓	✓
✓	–	–	–	–	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
–	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
–	–	–	–	–	✓	–	–
60 / 120 / 180	60 / 90 / 120 / 180	60 / 90 / 120 / 180	60 / 90 / 120 / 180	60 / 90 / 180	60 / 90 / 120 / 180	60 / 90 / 120 / 180 / 360 / 600	60 / 90 / 120 / 180 / 360 / 600
6 baskets	60 baskets	60 baskets	60 baskets	60 baskets	60 baskets	60 baskets	60 baskets
4	4	4	4	4	3	8	8
16.5 litres	16.5 litres	16.5 litres	16.5 litres	16.5 litres	15 litres	10 litres	10 litres
litres / cycle	2.3 litres / cycle	2.3 litres / cycle	2.3 litres / cycle	2.3 litres / cycle	2.1 litres / cycle	3.5 litres / cycle	3.5 litres / cycle
2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar
3/4"	3/4"	3/4"	G 3/4" M	G 3/4" M	G 3/4" M	G 3/4" M	G 3/4" M
Ø 20 mm	Ø 24 mm	Ø 24 mm	Ø 24 mm	Ø 24 mm	Ø 18 mm	Ø 24 mm	Ø 24 mm
up to 60°C	max. 60 °C	max. 60 °C	55 °C	55 °C	Up to 50 °C	10°C to 55°C	10°C to 55°C
2.7 kW	2.7 kW	2.7 kW	2.7 kW	2.7 kW	1.4 kW	1.1 kW	1.1 kW
4.5 kW	6 kW	6 kW	4.5 kW	4.5 kW	6 kW	6 kW	6 kW
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
3 NAC	3 NAC	3 NAC	3 NAC	3 NAC	3 NAC	3 NAC	3 NAC
400 V 50 Hz	6.65 kW 400 V 50 Hz	6.65 kW 400 V 50 Hz	5.15 kW 400 V 50 Hz	5.15 kW 400 V 50 Hz	7.9 kW 400 V 50 Hz	6.65 kW 400 V 50 Hz	6.65 kW 400 V 50 Hz
✓	✓	✓	✓	✓	✓	✓	✓
Stainless steel	Stainless steel	Stainless steel	CNS 18/10	CNS 18/10	Stainless steel	CNS 18/10	CNS 18/10
630 x 840 mm	600 x 705 x 850 mm	600 x 705 x 850 mm	600 x 640 x 850 mm	600 x 640 x 850 mm	600 x 710 x 825 mm	600 x 645 x 850 mm	600 x 645 x 850 mm
63.2 kg	69 kg	72 kg	67.2 kg	68 kg	57 kg	71 kg	76 kg
–	–	–	–	–	–	–	–
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
–	–	–	–	–	–	–	–
1	–	1	–	1	–	–	–
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1





Pot dishwashers TS

Big, bigger ...

... too big doesn't exist!

The dishwashers for every eventuality

The TS series offers

- 2 pot dishwashers

with the following features:

- Basket dimensions: 665 x 550 mm | 850 x 725 mm
- Rinse aid pump
- Detergent dosing pump
- Hourly output: 40 baskets | 20 baskets
- Tank volume: 50 litres | 82 litres
- Double-walled
- Electronic thermo-stop
- Plus system (after-rinse pump, break tank, pressure-free boiler)
- 2 rinsing arms, each with 1 rinse pump
- Double sieve (waste collector and pump sieve can be removed)

Our pot dishwashers are used for particularly large items. They are designed to take up as little space as possible.

Whether trays, baking trays, chopping boards, GN containers, pots or pans - the pot dishwashers are designed for cleaning bulky items.

Features such as the electronic thermal stop, the vertical pump sieve and the Plus-System ensure the best cleaning results.

What is the Plus-System all about? The rinsing pump involves 3 big advantages: the machines are ready for operation more quickly and are independent of water pressure. In addition, the break tank prevents germs from getting into the fresh water. The appliances have the highest standard of hygiene and can be used in medical facilities such as hospitals or nursing homes.

POT DISHWASHERS TS

Pot dishwasher TS 665-1 R

110765

GTIN 4015613810560



- Basket dimensions: 665 x 550 mm
- Rinse aid pump
- Detergent dosing pump
- Max. tray size: 600 x 800 mm
- Max. item height: 800 mm
- Output / hour: 40 baskets
- Tank volume: 50 litres
- Height with door open: 1,890 - 2,270 mm
- Connected load: 8 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 690 x D 850 x H 1,755 mm



Pot dishwasher TS 850 R

110677

GTIN 4015613793917



- Basket dimensions: 850 x 725 mm
- Rinse aid pump
- Detergent dosing pump
- Max. tray size: 840 x 805 mm
- Max. item height: 805 mm
- Output / hour: 20 baskets
- Tank volume: 82 litres
- Height with door open: 2,050 - 2,100 mm
- Connected load: 13.36 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 990 x D 930 x H 1,790 mm



	Pot dishwasher TS 665-1 R	Pot dishwasher TS 850 R
	110765	110677
MODEL		
Basket dimensions	665 x 550 mm	850 x 725 mm
Tray size max.	600 x 800 mm	840 x 805 mm
Max. item height:	800 mm	805 mm
FEATURES		
Clear rinsing dosing pump	✓	✓
Lye pump	–	–
Water softener	–	–
Detergent dosing pump	✓	✓
Cold rinse	–	–
Plus-System	✓	✓
Electronic thermo-stop	✓	✓
Vertical, self-cleaning pump filter	✓	✓
Self-diagnosis system	✓	✓
Self-cleaning	✓	✓
Door double-walled	✓	✓
Double-walled	✓	✓
Safety thermostat	✓	✓
TECHNICAL DATA		
Run-time	120 / 240 / 360 / 480 seconds	180 / 360 / 540 / 720 seconds
Max. output / hour	40 baskets	20 baskets
Number of cleaning programs	4	4
Tank volume	50 litres	82 litres
Water consumption at 2 bar	4.2 litres / cycle	4.3 litres / cycle
Water pressure	2 - 4 bar	2 - 4 bar
Water inlet	G 3/4"	G 3/4" M
Water outlet	Ø 32 mm	Ø 32 mm
Water intake temperature	55 °C	10°C to 55°C
Tank heater	3 kW	6 kW
Boiler heater	6 kW	9 kW
Dry-run protection	✓	✓
On/off switch	✓	✓
Control lamp	✓	✓
Indicator display	✓	✓
Height-adjustable	1,890 - 1,940 mm	1,790 - 1,840 mm
Equipment connection	3 NAC	3 NAC
Connected load	8 kW 400 V 50 Hz	13.36 kW 400 V 50 Hz
Material	Stainless steel	Stainless steel
Dimensions (W x D x H)	690 x 850 x 1,755 mm	990 x 930 x 1,790 mm
Weight	174.2 kg	119.8 kg
ACCESSORIES INCLUDED		
Tray basket	1	1
Universal basket	1	1
Cutlery holder	1	1
Rinsing grate	1	–
Water supply hose	1	1
Water discharge hose	1	1



Bartscher



Pass-through dishwashers DS

High throughput capacity
meets a wide
variety of models

The DS series offers

- 4 pass-through dishwashers

with the following features:

- Basket dimensions: 500 x 500 mm | 600 x 500 mm
- Rinse aid pump
- Lye pump (model-dependent)
- Detergent dosing pump (model-dependent)
- Hourly output: 60 | 24 - 60 | 12 - 45 baskets
- Tank volume: 22 litres | 30 litres | 20 litres
- Double-walled (model-dependent)
- Lid with automatic start function
- Thermal disinfection (model-dependent)
- Heat recovery (model-dependent)
- DuoFlo pump (model-dependent)
- Rinse pump with break tank (model-dependent)

The best thing about our range of pass-through dishwashers is the individual features.

When there is a large volume of items to be cleaned, the Bartscher pass-through dishwashers are the ideal companions. Each of our models impresses with its very own, individual features.

Designed for a wide range of sizes of items to be washed, they also differ in terms of equipment and technology. But they are all designed for one thing: efficient and effective cleaning power.

You decide whether the machine should have an energy-saving boiler system, a DuoFlo pump, an extra large insertion height, thermal disinfection or a rinse pump with break tank!

Of course, we also have the matching tables and fittings in our range.

PASS-THROUGH DISHWASHERS DS

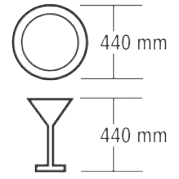
Pass-through dishwasher DS 500

109342

GTIN 4015613685106



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Max. glasses height: 440 mm
- Max. plate height: 440 mm
- Output / hour: 60 baskets
- Tank volume: 22 litres
- Connected load: 6.7 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 725 x D 955 x H 1,535 mm



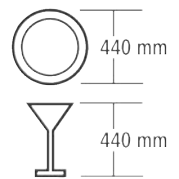
Pass-through dishwasher DS 500 SR

109343

GTIN 4015613685113



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Max. glasses height: 440 mm
- Max. plate height: 440 mm
- Output / hour: 60 baskets
- Tank volume: 22 litres
- Connected load: 8.7 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 725 x D 955 x H 1,535 mm



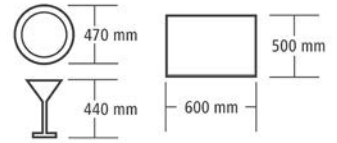
Pass-through dishwasher DS 600 LPR

109349

GTIN 4015613713854



- Basket dimensions: 600 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 440 mm
- Max. plate height: 470 mm
- Max. tray size: 600 x 500 mm
- Output / hour: 24 - 60 baskets
- Tank volume: 30 litres
- Connected load: 11 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 790 x D 955 x H 1,535 mm



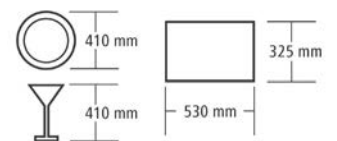
Pass-through dishwasher DS Eco500LPR

109251

GTIN 4015613766867



- Basket dimensions: 500 x 500 mm
- Rinse aid pump
- Lye pump
- Detergent dosing pump
- Max. glasses height: 410 mm
- Max. plate height: 410 mm
- Max. tray size: 530 x 325 mm
- Output / hour: 12 - 45 baskets
- Tank volume: 20 litres
- Connected load: 9.9 kW | 400 V | 50 Hz | 3 NAC
- Dimensions: W 720 x D 805 x H 2,115 mm



PASS-THROUGH DISHWASHERS DS IN COMPARISON

	DS 500	DS 500 SR	DS 600 LPR	DS Eco500LPR
	109342	109343	109349	109251
MODEL				
Basket dimensions	500 x 500 mm	500 x 500 mm	600 x 500 mm	500 x 500 mm
Glasses height max.	440 mm	440 mm	440 mm	410 mm
Plate height max.	440 mm	440 mm	470 mm	410 mm
Tray size max.	–	–	600 x 500 mm	530 x 325 mm
FEATURES				
Clear rinsing dosing pump	✓	✓	✓	✓
Lye pump	–	–	✓	✓
Water softener	–	–	–	–
Detergent dosing pump	–	–	✓	✓
Cold rinse	–	–	–	–
DuoFlo pump	✓	✓	✓	–
Energy-saving-system	✓	✓	✓	–
Heat recovery	–	–	–	✓
Thermal disinfection	–	–	–	✓
EDS drain system	✓	✓	–	–
Rinse pump with break tank	–	–	–	✓
Self-cleaning	–	✓	✓	✓
Strainer	✓	✓	✓	✓
Double-walled tank	✓	✓	✓	–
Double-walled	–	–	–	✓
Safety thermostat	✓	✓	✓	✓
TECHNICAL DATA				
Cycle time (seconds)	60 / 120 / 180	60 / 120 / 180	60 / 120 / 150 + infinite	50 / 90 / 120 / 180 / 300 / 600
Max. output / hour	60 baskets	60 baskets	60 baskets	45 baskets
Number of cleaning programs	4	4	5	5 + 1 programmable
Tank volume	22 litres	22 litres	30 litres	20 litres
Water consumption at 2 bar	2.4 litres / cycle	2.4 litres / cycle	3 litres / cycle	3.5 litres / cycle
Water pressure	2 - 4 bar	2 - 4 bar	2 - 4 bar	2 - 4 bar
Water inlet	G 3/4"	G 3/4"	G 3/4" M	G 3/4" M
Water outlet	Ø 28 mm	Ø 28 mm	Ø 32 mm	Ø 24 mm
Water intake temperature	55 °C	55 °C	15°C to 60°C	5°C to 10°C
Tank heater	2.5 kW	2.5 kW	3 kW	2.7 kW
Boiler heater	6 kW	8 kW	9.5 kW	9 kW
Dry-run protection	✓	✓	✓	✓
On/off switch	✓	✓	✓	✓
Equipment connection	3 NAC	3 NAC	3 NAC	3 NAC
Connected load	6.7 kW 400 V 50 Hz	8.7 kW 400 V 50 Hz	11 kW 400 V 50 Hz	9.9 kW 400 V 50 Hz
Material	CNS 18/10	CNS 18/10	CNS 18/10	CNS 18/10
Dimensions (W x D x H)	725 x 955 x 1,535 mm	725 x 955 x 1,535 mm	790 x 955 x 1,535 mm	720 x 805 x 2,115 mm
Weight	98.5 kg	98.5 kg	106.4 kg	145.4 kg
ACCESSORIES INCLUDED				
Glasses basket	–	–	1	–
Plate basket	2	2	1	1
Universal basket	1	1	–	1
Cutlery holder	1	1	1	1
Water supply hose	1	1	1	1
Water discharge hose	1	1	1	1

Flexible set up

When planning and setting up a pass-through dishwasher, there are a few things to consider. It goes without saying that the right water and electricity connections must be available in the first step.

But what's the best way to position the machine?

With the infeed and outfeed tables and pre-clearance, the appliances take up a lot of space.

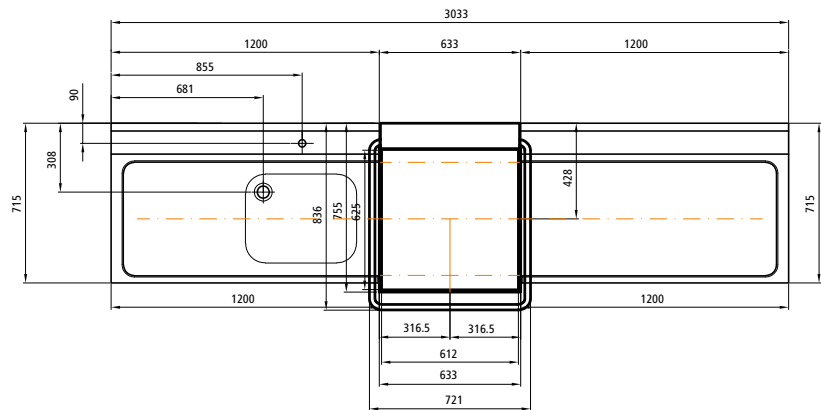
In order to make assembly easier and to be able to better adapt the machine to the conditions in the kitchen and the work processes, our pass-through dishwashers DS 500, DS 500 SR and DS Eco500LPR can be installed as a straight model or as a corner model.



Straight model

Set up option
(set up from left to right)

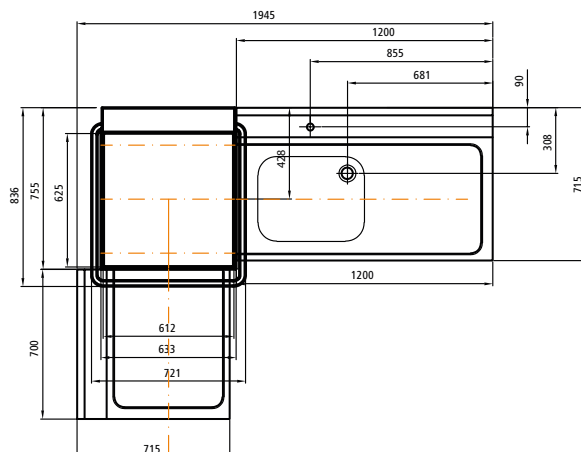
- Set up example with the DS 500 | DS 500 SR
- Pre-clearance DS-LI1B
- + Push-through dishwasher
- + Outfeed table DS-1200R



Corner model

Set up option
(set up from left to right)

- Set up example with the DS 500 | DS 500 SR
- Outfeed table DS-700LI
- + Push-through dishwasher
- + Pre-clearance DS-R1B







Basket transport dishwashers

Pioneer in terms of speed,
power and individuality

The KTS model with the following features:

- Basket dimensions: 500 x 500 mm
- Hourly output: 70 - 100 baskets
- Tank volume: Rinse tank: 80 litres | boiler: 28.5 litres
- Electronic thermo-stop
- Self-cleaning pumps with overload protection
- Self-diagnosis system
- Tank filter system with 3 protection levels
- Rinsing in 2 cycles
- Standby function

The reliable partner for the highly frequented dishwashing operations.

The KTS500 with a left-hand conveyor system is very easy to use and can be tailored precisely to the needs of everyday work - be it washing plates, cups, glasses or trays.

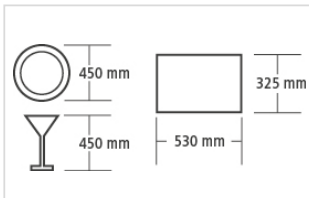
Despite the high throughput, the model is particularly quiet thanks to the double-walled design and therefore creates pleasant working conditions with continuous use.

The following pages provide information about the KTS500, which can be used on its own but also serves as the basis for other cleaning modules.

BASKET TRANSPORT DISHWASHERS

Basket transport dishwasher KTS500 R

110630 GTIN 4015613806501



Required for proper operation

- Hot water connection
- Pre-clearance KTS5000 1BAS-R and outfeed table KTS5000 TR-L (further production information on page 65)
- Ensure sufficient ventilation of the room according to EN 16282-1

MODEL	
Basket dimensions	500 x 500 mm
Glasses height max.	450 mm
Plate height max.	450 mm
Tray size max.	530 x 325 x 25 mm

FEATURES	
Clear rinsing dosing pump	on request
Lye pump	–
Water softener	–
Detergent dosing pump	on request
Cold rinse	–
Electronic thermo-stop	✓
Self-diagnosis system	✓
Filtration system	3-level
Rinsing	in 2 cycles
Self-cleaning pumps	vertically fitted, with overload protection
Heat recovery	on request (water intake temperature 5 - 10 °C)
Self-cleaning	–
Double-walled	–
Safety thermostat	✓

TECHNICAL DATA	
Cycle time (seconds)	35 / 94
Max. output / hour	70 - 100 baskets
Number of cleaning programs	2
Tank volume	Rinse tank: 80 litres boiler: 28.5 litres
Water consumption at 2 bar	150 litres / hour
Water pressure	2 - 5 bar
Water inlet	2 x G 3/4"
Water outlet	1 x 1/4 G
Water intake temperature	55 °C (cold water connection on request)
Tank heater	9 kW
Boiler heater	9 kW
Fan	Convection (4.5 kW)
Dry-run protection	–
Equipment connection	3 NAC
Connected load	19 kW 400 V 50 Hz
Material	Stainless steel
Dimensions (W x D x H)	1,380 x 715 x 1,900 mm
Weight	200 kg

ACCESSORIES INCLUDED	
Glasses basket	1
Plate basket	1
Cutlery holder	1
Tray basket	1
Water discharge hose	–



Can be expanded individually and as needed according to a wide range of requirements

The design of a basket transport dishwasher is very complex, particularly dependent on the local conditions and must be individually planned and coordinated down to the smallest technical detail.



In addition to the KTS500 R, we also offer the machine in other sizes and other models with a wide variety of specifications.



Our sales team will be happy to advise you on which version and equipment is the right one. The extra: We are pleased to help you with set up!



Set up example with a product alternative

A dishwasher
needs support
We have
the right accessories!



The big little ones

Often it is the small things that really count!

The dishwasher tailored to the operations has been found and the operations can start. But there is still one or the other detail missing that would make using a dishwasher much easier.

There are accessories that simplify everyday work and optimise the cleaning result. However, other things are absolutely necessary for a functioning dishwashing operations and are indispensable.

Everything a dishwasher could want!

The following pages show a selection of our dishwashing accessories.

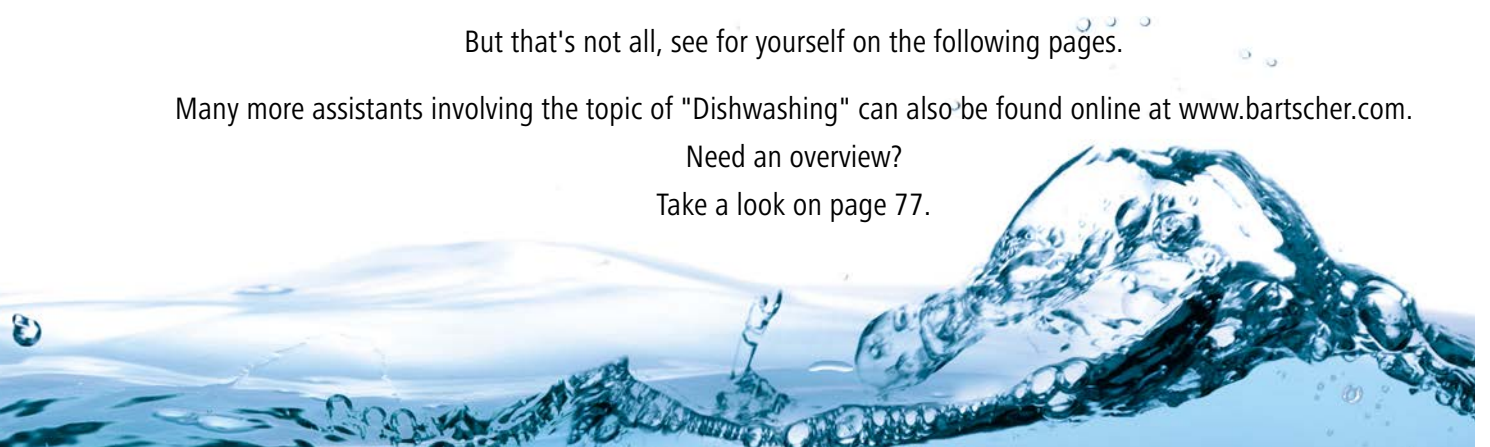
It goes without saying that we, as a full-range supplier, offer dishwashing baskets and grates in various sizes and designs for glasses, crockery, cutlery, trays, tins, pots and butcher's boxes.

For our pass-through and basket transport dishwashers, we have an extensive range of pre-cleaners, outfeed tables and cleaning fittings.

But that's not all, see for yourself on the following pages.

Many more assistants involving the topic of "Dishwashing" can also be found online at www.bartscher.com.

Need an overview?
Take a look on page 77.



DISHWASHING BASKETS 350 x 350 | 400 x 400

Universal basket 350 x 350 x 110

- Material: Plastic
 - Basket size: 350 x 350 mm
 - Stacking
 - Dimensions: W 350 x D 350 x H 110 mm
 - Weight: 0.8 kg
- GTIN 4015613432007



110312

Universal basket 350 x 350 x 170

- Material: Steel, coated
 - Basket size: 350 x 350 mm
 - Dimensions: W 350 x D 350 x H 170 mm
 - Weight: 1.5 kg
- GTIN 4015613586564



110311



DISHWASHING BASKETS 400 x 400

Universal basket 400 x 400 x 135

- Material: Plastic
 - Basket size: 400 x 400 mm
 - Model: Flat
 - Stacking
 - Dimensions: W 400 x D 400 x H 135 mm
 - Weight: 0.95 kg
- GTIN 4015613468303



109325

Plates basket 400 x 400 x 120

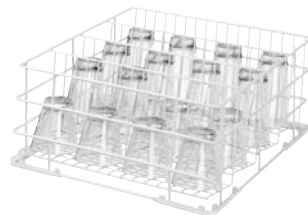
- Material: Steel, coated
 - Basket size: 400 x 400 mm
 - Number of compartments: 16
 - Model: Plate holders
 - Dimensions: W 400 x D 400 x H 120 mm
 - Weight: 1.6 kg
- GTIN 4015613468310



109326

Basket for glasses 400 x 400 x 185

- Material: Steel, coated
 - Basket size: 400 x 400 mm
 - Number of compartments: 4
 - Model: Tilted
 - Dimensions: W 400 x D 400 x H 185 mm
 - Weight: 2.1 kg
- GTIN 4015613468327



109327



Universal basket 500x500x100

- Basket size: 500 x 500 mm
- Stacking
- Dimensions: W 500 x D 500 x H 100 mm
- Weight: 1.2 kg

GTIN 4015613653952



5301

Cutlery basket 500 x 500 x 100

- Basket size: 500 x 500 mm
- Stacking
- Dimensions: W 500 x D 500 x H 100 mm
- Weight: 1.4 kg

GTIN 4015613653969

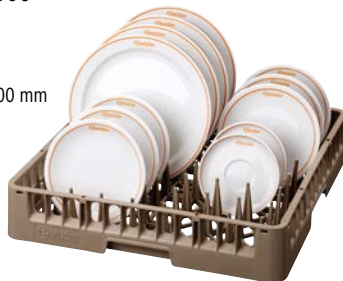


5302

Plates basket 500 x 500 x 100

- Basket size: 500 x 500 mm
- Stacking
- Dimensions: W 500 x D 500 x H 100 mm
- Weight: 1.4 kg

GTIN 4015613653976



5303

Rinse grid 500

- Material: Chrome-nickel steel
- Designed for: Rinsing of specially large containers (pots, bowls)
- Dimensions: W 500 x D 500 x H 5 mm
- Weight: 1.7 kg

GTIN 4015613664217

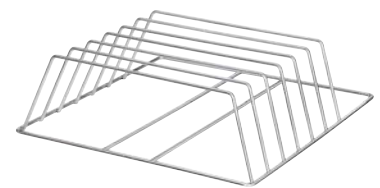


101094

Tray basket 600 x 400

- Material: CNS 18/10
- Number of compartments: 6
- Max. tray size: 600 x 400 mm
- Inside height: 150 mm
- Dimensions: W 500 x D 500 x H 160 mm
- Weight: 1.5 kg

GTIN 4015613487069



109329



GLASSES BASKETS | 500 x 500



The stacking dishwasher baskets from Bartscher ensure good cleaning results, easy basket handling and clean and safe storage.

- Material: Plastic
- Colour: Brown
- Stacking
- Basket size: 500 x 500 mm



Number compartments	Compartment size	Inside height	Dimensions (W x D x H)	Weight	Art. no.	GTIN
16	111 x 111 mm	83 mm	500 x 500 x 100 mm	1.57 kg	5316	4015613654652
16	111 x 111 mm	123 mm	500 x 500 x 142 mm	2.25 kg	5318	4015613654669
16	111 x 111 mm	166 mm	500 x 500 x 183 mm	2.65 kg	5319	4015613654676
16	111 x 111 mm	207 mm	500 x 500 x 225 mm	3.33 kg	5320	4015613654683
16	111 x 111 mm	245 mm	500 x 500 x 266 mm	3.73 kg	5321	4015613654690
16	111 x 111 mm	285 mm	500 x 500 x 306 mm	4.41 kg	5322	4015613654706



Number compartments	Compartment size	Inside height	Dimensions (W x D x H)	Weight	Art. no.	GTIN
25	89 x 89 mm	83 mm	500 x 500 x 100 mm	1.62 kg	5325	4015613654713
25	89 x 89 mm	123 mm	500 x 500 x 142 mm	2.36 kg	5327	4015613654720
25	89 x 89 mm	166 mm	500 x 500 x 183 mm	2.76 kg	5328	4015613654768
25	89 x 89 mm	207 mm	500 x 500 x 225 mm	3.51 kg	5329	4015613654775
25	89 x 89 mm	245 mm	500 x 500 x 266 mm	3.91 kg	5330	4015613654782
25	89 x 89 mm	285 mm	500 x 500 x 306 mm	4.65 kg	5331	4015613654799



Number compartments	Compartment size	Inside height	Dimensions (W x D x H)	Weight	Art. no.	GTIN
36	73 x 73 mm	83 mm	500 x 500 x 100 mm	1.65 kg	5336	4015613654805
36	73 x 73 mm	123 mm	500 x 500 x 142 mm	2.45 kg	5338	4015613654812
36	73 x 73 mm	166 mm	500 x 500 x 183 mm	2.85 kg	5339	4015613654829
36	73 x 73 mm	207 mm	500 x 500 x 225 mm	3.64 kg	5340	4015613654836
36	73 x 73 mm	245 mm	500 x 500 x 266 mm	4.04 kg	5341	4015613654843
36	73 x 73 mm	285 mm	500 x 500 x 306 mm	4.84 kg	5342	4015613654850



Number compartments	Compartment size	Inside height	Dimensions (W x D x H)	Weight	Art. no.	GTIN
49	62 x 62 mm	83 mm	500 x 500 x 100 mm	1.84 kg	5349	4015613654874
49	62 x 62 mm	123 mm	500 x 500 x 142 mm	2.84 kg	5351	4015613654881
49	62 x 62 mm	166 mm	500 x 500 x 183 mm	3.24 kg	5352	4015613654898
49	62 x 62 mm	207 mm	500 x 500 x 225 mm	4.24 kg	5353	4015613654904
49	62 x 62 mm	245 mm	500 x 500 x 266 mm	4.64 kg	5354	4015613654911
49	62 x 62 mm	285 mm	500 x 500 x 306 mm	5.64 kg	5355	4015613654928

Cutlery holder, 8 compartments

- Basket size: 430 x 210 mm
- Number of compartments: 8
- Stacking
- Dimensions: W 430 x D 210 x H 155 mm
- Weight: 0.55 kg
- GTIN 4015613653990



5305

Cutlery holder for dishwashers

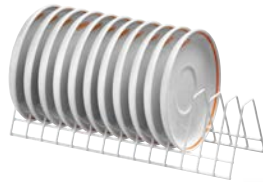
- Material: Plastic
- Colour: Grey
- Diameter: 107 mm
- Dimensions: W 107 x D 107 x H 119 mm
- Weight: 0.1 kg
- GTIN 4015613432021



110318

Saucer insert for rinsing basket

- Material: Steel, coated
- Number of compartments: 14
- Dimensions: W 300 x D 100 x H 90 mm
- Weight: 0.2 kg
- GTIN 4015613432014



110317



DISHWASHER ACCESSORIES

Underbench dishwashers

- Material: Chrome-nickel steel
- Inside height: 360 mm
- Height-adjustable: 440 mm to 490 mm
- Properties: Surface for dishwashing baskets max. 500 x 500 mm
- Dimensions: W 605 x D 570 x H 450 mm
- Weight: 6 kg
- GTIN 4015613602462



109688

FOR MORE SAVINGS IN OPERATION

For regular dishwashing, we recommend retrofitting a detergent dosing pump, if not integrated as standard. The investment is worthwhile, because in addition to a consistently consistent dishwashing quality and less work, you can also save on detergent consumption. The intelligent, conductance-controlled variant goes one step further compared to the cycle-controlled model: the use of detergents is reduced and the cleaning result is optimised.

Dish-washing detergent metering pump TG280

- Detergent dosing: Cycle-controlled
- Volume flow: 0.28 litres / hour up to 2.8 litres / hour
- Model: Installed unit
- Including: 1 connection set, installation set
- Connected load: 0.005 kW | 230 V | 50 Hz
- Dimensions: W 69 x D 103 x H 62 mm
- Weight: 0.45 kg

GTIN 4015613432403



109518

Detergent dosing pump LWG600

- Detergent dosing: Setpoint controlled
- Conductimetry with: 2-pin probe
- Volume flow: 0.1 litres / hour up to 6 litres / hour
- Model: Wall mounting
- Including: 1 connection set
- Connected load: 0.004 kW | 230 V | 50/60 Hz
- Dimensions: W 95 x D 100 x H 125 mm
- Weight: 0.75 kg

GTIN 4015613506517



109547

Pressure boost pump set DSS10

- Designed for: Universal dishwasher US E500 LPR, US C500 LP, US C500 LPR, US C500 LPWR, US M500 LP K, US M500 LPR K, US M500 LPWR K, US PPlus500 LPR, US PPlus500 LPWR, US P500 LPR, US P500 LPWR
- Set comprises:
 - 1 pump (W 100 x D 175 x H 110 mm, 1.5 A),
 - 1 condenser (W 35 x D 120 x H 35 mm; 6.3 µF),
 - 1 hose, rubber, installation material
- Connected load: 0.15 kW | 230 V | 50 Hz
- Dimensions: W 295 x D 255 x H 155 mm
- Weight: 4.1 kg

GTIN 4015613721279



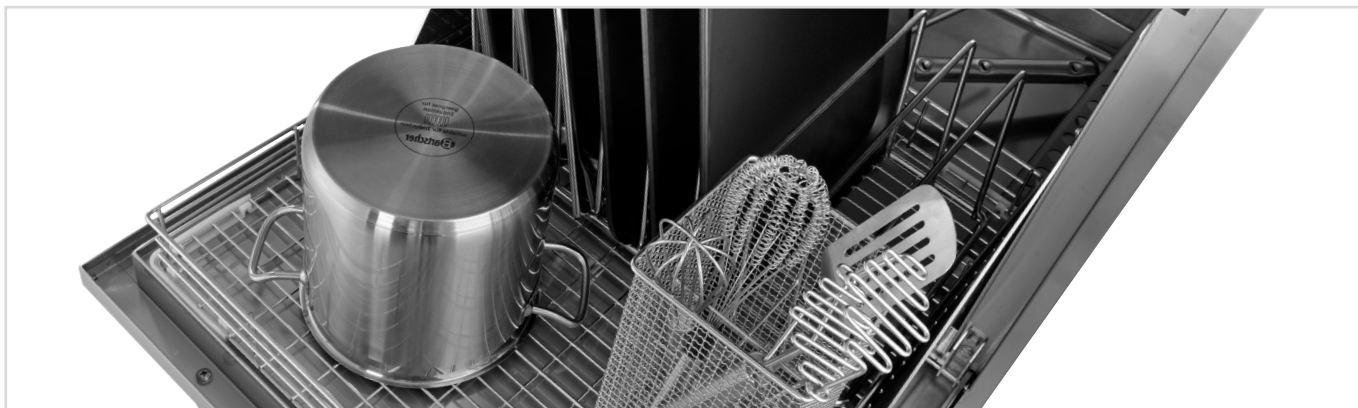
109562

Installation flat-rates for dosing pumps

GTIN 4015613265582

099996





Rinse grid TS 665 R

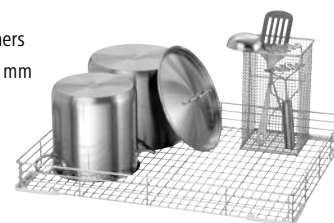
- Material: CNS 18/10
 - Designed for: Rinsing of specially large containers (pots, bowls, butcher box)
 - Dimensions: W 660 x D 550 x H 15 mm
 - Weight: 2.7 kg
- GTIN 4015613737690



110693

Universal basket TS 665 R

- Material: CNS 18/10
 - Number of compartments: 1
 - Basket size: 665 x 550 mm
 - Inside height: 70 mm
 - Suitable for: Pots, pans, GN containers
 - Dimensions: W 665 x D 550 x H 75 mm
 - Weight: 2.5 kg
- GTIN 4015613737669



110690

Universal basket TS 850 R

- Material: CNS 18/10
 - Number of compartments: 1
 - Basket size: 850 x 725 mm
 - Inside height: 125 mm
 - Suitable for: Pots, pans, GN containers
 - Dimensions: W 850 x D 725 x H 135 mm
 - Weight: 9.7 kg
- GTIN 4015613743639



110694

Tray basket TS

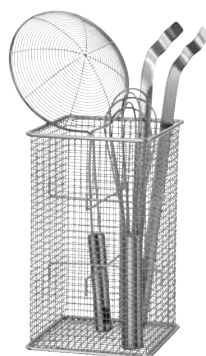
- Material: CNS 18/10
 - Number of compartments: 8
 - Basket size: 300 x 465 mm
 - Inside height: 195 mm
 - Max. tray size: 600 x 400 mm
 - Suitable for: Trays, baking sheets and chopping boards
 - Dimensions: W 300 x D 472 x H 200 mm
 - Weight: 2.4 kg
- GTIN 4015613737676



110691

Cutlery holder TS

- Material: CNS 18/10
 - Dimensions: W 150 x D 150 x H 255 mm
 - Weight: 0.55 kg
- GTIN 4015613737683



110692



PASS-THROUGH DISHWASHER ACCESSORIES

Pre-clearing table DS-LI1B

- Material: Satin-finished
 - Sink content: 50 litres
 - Sink dimensions: W 500 x D 400 x H 250 mm
 - Sink position: Right
 - Assembly side on dishwasher: Left
 - Height of splash protection: 110 mm
 - Water outlet: 1 1/2"
 - Height-adjustable: 860 mm to 930 mm
 - Base shelf dimensions: W 1,150 x D 500 mm
 - Dimensions: W 1,200 x D 720 x H 850 mm
 - Weight: 23.6 kg
- GTIN 4015613735955



109740

Pre-clearing table DS-R1B

- Material: Satin-finished
 - Sink content: 50 litres
 - Sink dimensions: W 500 x D 400 x H 250 mm
 - Sink position: Left
 - Assembly side on dishwasher: Right
 - Height of splash protection: 110 mm
 - Water outlet: 1 1/2"
 - Height-adjustable: 860 mm to 930 mm
 - Base shelf dimensions: W 1,150 x D 500 mm
 - Dimensions: W 1,200 x D 720 x H 850 mm
 - Weight: 23.6 kg
- GTIN 4015613735962



109741

Pre-clearing table DS-LI1BAS

- Material: Satin-finished
 - Sink content: 50 litres
 - Sink dimensions: W 500 x D 400 x H 250 mm
 - Sink position: Right
 - Assembly side on dishwasher: Left
 - Height of splash protection: 110 mm
 - Water outlet: 1 1/2"
 - Height-adjustable: 860 mm to 930 mm
 - Waste chute with rubber sleeve
 - Base shelf dimensions: W 685 x D 500 mm
 - Dimensions: W 1,200 x D 720 x H 950 mm
 - Weight: 21.8 kg
- GTIN 4015613730387



109742

Pre-clearing table DS-R1BAS

- Material: Satin-finished
 - Sink content: 50 litres
 - Sink dimensions: W 500 x D 400 x H 250 mm
 - Sink position: Left
 - Assembly side on dishwasher: Right
 - Height of splash protection: 110 mm
 - Water outlet: 1 1/2"
 - Height-adjustable: 860 mm to 930 mm
 - Waste chute with rubber sleeve
 - Base shelf dimensions: W 685 x D 500 mm
 - Dimensions: W 1,200 x D 720 x H 850 mm
 - Weight: 22.4 kg
- GTIN 4015613735979



109743

Pre-clearing table DS-LI1B

- Material: Stainless steel | Sink content: 40 litres
 - Sink dimensions: W 400 x D 400 x H 250 mm
 - Sink position: Right
 - Assembly side on dishwasher: Left
 - Height of splash protection: 110 mm | water outlet: 1 1/2"
 - Height-adjustable: 860 mm to 930 mm
 - Rinsing basket inserts: 3, basket dimensions: 500 x 500, 600 x 500 mm, max. basket size: 145 mm
 - Base shelf dimensions: W 600 x D 500 mm
 - Dimensions: W 1,200 x D 715 x H 950 mm
 - Weight: 26.6 kg
- GTIN 4015613771007



109940

Pre-clearing table DS-RE1B SKE

- Material: Stainless steel | Sink content: 40 litres
 - Sink dimensions: W 400 x D 400 x H 250 mm
 - Sink position: Left
 - Assembly side on dishwasher: Right
 - Height of splash protection: 110 mm
 - Water outlet: 1 1/2"
 - Height-adjustable: 860 mm to 930 mm
 - Rinsing basket inserts: 3, basket dimensions: 500 x 500, 600 x 500 mm, max. basket size: 145 mm
 - Base shelf dimensions: W 600 x D 500 mm
 - Dimensions: W 1,200 x D 715 x H 950 mm
 - Weight: 26.4 kg
- GTIN 4015613785158



109960

Discharge table DS-700LI

- Material: Satin-finished
- Assembly side on dishwasher: Left
- Height of splash protection: 110 mm
- Height-adjustable: 860 mm to 930 mm
- Base shelf dimensions: W 650 x D 500 mm
- Dimensions: W 700 x D 720 x H 850 mm
- Weight: 14.6 kg

GTIN 4015613735986



109745

Discharge table DS-700R

- Material: Satin-finished
- Assembly side on dishwasher: Right
- Height of splash protection: 110 mm
- Height-adjustable: 860 mm to 930 mm
- Base shelf dimensions: W 650 x D 500 mm
- Dimensions: W 700 x D 720 x H 850 mm
- Weight: 14.6 kg

GTIN 4015613730394



109746

Discharge table DS-1200LI

- Material: Satin-finished
- Assembly side on dishwasher: Left
- Height of splash protection: 110 mm
- Height-adjustable: 860 mm to 930 mm
- Base shelf dimensions: W 1,150 x D 500 mm
- Dimensions: W 1,200 x D 720 x H 850 mm
- Weight: 21.8 kg

GTIN 4015613726588



109747

Discharge table DS-1200R

- Material: Satin-finished
- Assembly side on dishwasher: Right
- Height of splash protection: 110 mm
- Height-adjustable: 860 mm to 930 mm
- Base shelf dimensions: W 1,150 x D 500 mm
- Dimensions: W 1,200 x D 720 x H 850 mm
- Weight: 21.8 kg

GTIN 4015613735993



109749

Mobile sink centre BR1200 GS

- Material: Stainless steel | Sink content: 57 litres
- Sink dimensions: W 400 x D 500 x H 285 mm
- Sink position: Right
- Dishwasher cut-out dimensions: W 602 x D 685 x H 856 mm
- Tap cut-out dimensions: 45 mm
- 4 setting feet | 4 swivel castors
- Height-adjustable feet: 65 mm to 90 mm
- Dimensions: W 1,200 x D 700 x H 1,200 mm
- Weight: 73,2 kg

GTIN 4015613794686



306800

Thanks to its swivel castors and height-adjustable feet, this mobile rinsing centre can be transformed from a mobile hygiene station to a stationary one in a flash. With a cut-out for a dishwasher, sink and drainer, it's cleanliness at its best.



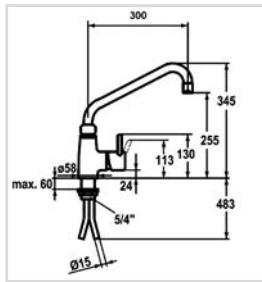
PASS-THROUGH DISHWASHER ACCESSORIES



Single handle mixer 40L-3601B

- Material: Chrome-plated | handles: Chrome
- Model: Mixer tap | flow at 3 bar: 40 L / Min.
- Jet regulator mouthpiece: 3/4" inner thread
- Swivelling outlet: 360° | mounting type: Single-hole borehole
- Table borehole diameter: 42 mm
- Installation: Copper pipe connection 15 mm
- Dimensions: W 147 x D 340 x H 828 mm
- Weight: 3.5 kg

GTIN 4015613584034



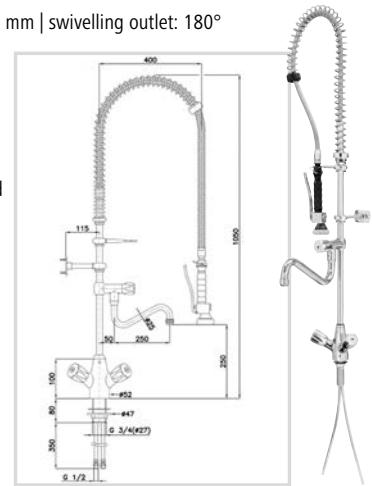
400126

Two handle mixer 26L-1801B

- Material: Brass, steel | handles: Metal (EUR)
- Fitting type: Two-handle mixer | flow at 3 bar: Flow rate: 16 litres / min, jet regulator: 26 L / Min.
- Jet regulator mouthpiece: 55 mm | swivelling outlet: 180°
- Mounting type: Single-hole borehole
- Table borehole diameter: 30 - 35 mm
- Installation: Connection OT 1/2", fixing with threaded supports: 3/4"
- Water connection: 1/2"

- Dimensions: W 515 x D 415 x H 1,430 mm
- Weight: 6.8 kg

GTIN 4015613674575



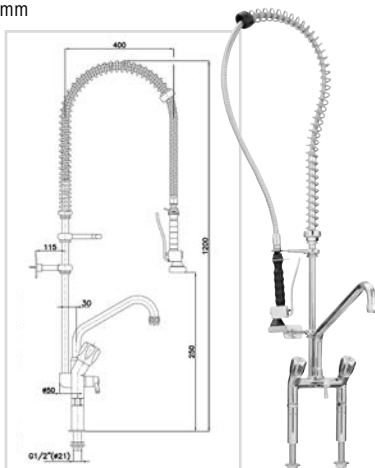
400136

Two handle mixer 40L-1802B

- Material: Brass, steel | handles: Metal (EUR)
- Fitting type: Two-handle mixer | flow at 3 bar: Flow rate: 16 litres / min, jet regulator: 40 L / Min.
- Jet regulator mouthpiece: 55 mm
- Swivelling outlet: 180°
- Mounting type: Two-hole borehole
- Table borehole diameter: 21 - 25 mm
- Installation: Connection OT 1/2", fixing with threaded supports: 1/2"
- Water connection: 1/2"

- Dimensions: W 515 x D 415 x H 1,220 mm
- Weight: 7.2 kg

GTIN 4015613674582



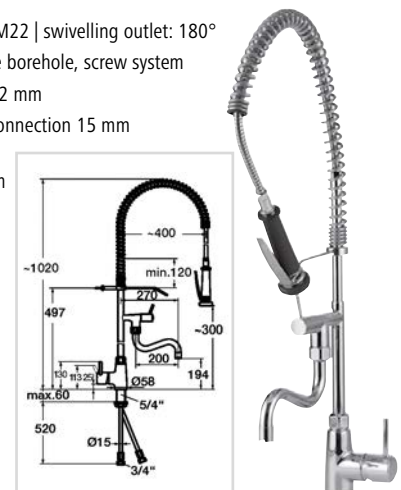
400137

Single handle mixer 40L-1801B

- Material: Chrome-plated | handles: Chrome, thermally insulated
- Fitting type: Single lever mixer | flow at 3 bar Shower arm: 18 litres / min, jet regulator: 40 L / Min.
- Jet regulator mouthpiece: M22 | swivelling outlet: 180°
- Mounting type: Single-hole borehole, screw system
- Table borehole diameter: 42 mm
- Installation: Copper pipe connection 15 mm

- Dimensions: W 65 x D 450 x H 1,540 mm
- Weight: 8.5 kg

GTIN 4015613438955



400123

Drain pump set LPS50

- Set comprises: 1 pump, connection hoses
- Designed for: Push-through dishwasher DS 500, push-through dishwasher DS 500 SR
- Connected load: 0.04 kW | 230 V | 50 Hz
- Dimensions: W 259 x D 254 x H 369 mm
- Weight: 1.4 kg
- GTIN 4015613780122



109344

Assembling kit ZAT 10

- Material: CNS 18/10
- For the use of Bartscher infeed and outfeed tables in conjunction with the push-through dishwashers DS Eco500LPR
- Dimensions: W 295 x D 97 x H 38 mm
- Weight: 1.2 kg
- GTIN 4015613713236



109559

Rubbish bin 56L

- Material: CNS 18/10
- Content: 56 litres
- Inner container dimensions: Ø 370 mm | height: 520 mm
- Lid properties: Removable, with handle, can be attached to the side of the bucket
- Dimensions: W 460 x D 400 x H 620 mm
- Weight: 6.6 kg
- GTIN 4015613630670



860006

BASKET TRANSPORT DISHWASHERS ACCESSORIES

Pre-clearing table KTS5000

- Material: Satin-finished
- Sink content: 50 litres
- Sink position: Left
- Assembly side on dishwasher: Right
- Height of splash protection: 140 mm
- Water outlet: 1 1/2"
- Height-adjustable: 900 mm to 950 mm
- Waste chute with rubber sleeve
- Borehole for cleaning fitting, Ø 30 mm
- Base shelf dimensions: W 835 x D 740 mm
- Dimensions: W 1,500 x D 730 x H 900 mm
- Weight: 32.4 kg
- GTIN 4015613737713



110625

Discharge table KTS5000

- Material: Satin-finished
- Model: 20 transport wheels, 1 with end shut-off (sensor)
- Assembly side on dishwasher: Left
- Water outlet: 1 1/2"
- Height-adjustable: 900 mm to 950 mm
- Dimensions: W 1,600 x D 645 x H 900 mm
- Weight: 26.3 kg
- GTIN 4015613737720



110626



DISHWASHING TECHNOLOGY ▲ Dishwashers ▲ Basket transport dishwashers





Before getting started,
you need the connection:

Technical requirements

Before you get started, there are a few structural specifications to be observed so that your new Bartscher dishwasher runs smoothly. What technical requirements do you have to meet for the connection?



REQUIREMENTS | STRUCTURAL SPECIFICATIONS

Sanitary inlet and outlet tap within max.

1 metre of the intended appliance location.

- Water outlet on the floor (DIN 50 mm Ø) **or**
- For a higher (>10 cm from FFL) positioned water outlet (DIN 50 mm Ø) e.g. in the wall or substructure, a drain pump is required as an additional feature
- Water inlet G 3/4 inch thread with shut-off valve
- Water inlet cold water dynamic pressure 2 - 4 bar, for pass-through dishwashers min. 2.5 - 4 bar in operation (according to test report) **or**
- Hot water connection up to 55 °C or max. 45 °C when using a water softening system (thereby faster cleaning cycles can be achieved)
- Suitable water softening required from 5°dH (installation of additional detergent dosing systems at extra charge)

Power connection

- 3 NAC 400 V / 16A **or**
- 1 x NAC 220 V /16A – depending on appliance type
- Max. 1 metre away from the intended appliance location

For pre-rinsing:

- The following items must be provided on-site: industrial detergent and rinse aid as well as suitable salt tablets for the Bartscher water softening system.
- The dishwasher is set specifically to the existing chemical products for further use
- A change of products could have a considerable negative effect on the cleaning results.

4 factors turn a normal dishwashing result into a brilliant dishwashing experience

To get it clean, the four factors of time, temperature, chemistry and mechanics are crucial. You might say that they are the four elements for optimal cleaning. If one factor is reduced, the other factors must be increased accordingly.



Chemicals

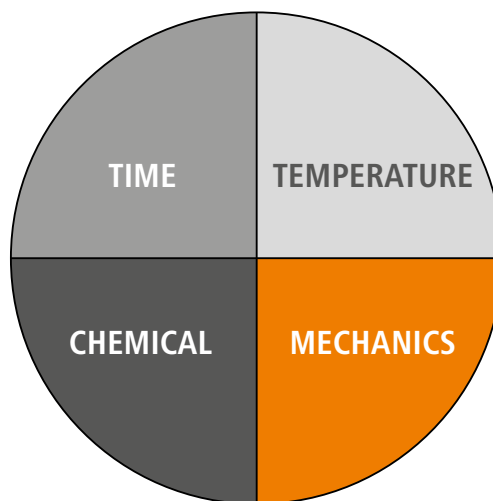
- Occurs in the form of detergent and rinse aid
- Fatty deposits are removed from the surface to be cleaned by forming an emulsion. Solid particles and particles that are insoluble in liquids are detached from the surface to be cleaned.
- Rinse aid: slightly acid to neutral (attention: dosing technology). Should allow the water to drain completely from the dishes and remove alkalinity residues. Pay attention to the correct dosing quantity!

Time

- Necessary for chemical reactions

Temperature

- Supports the chemical reaction
- Standards are specified for the temperature for cleaning and rinsing
- Items that are heated during cleaning enables the self-drying effect
- Different temperatures needed for different problem factors (fat, starch, protein)
- Therefore, several steps are required with increasing temperatures
 - approx. 40 °C - pre-clearance
 - approx. 60 °C - cleaning
 - approx. 85 °C - rinsing
- Glass dishwashers clean at a lower temperature to protect the glass material
 - approx. 55 °C to 60 °C - cleaning
 - approx. 63 °C to 67 °C - rinsing



Mechanics

- Circulation of the water using nozzles
- Depending on the machine, a pressure between 0.4 and 1.4 bar is produced

Water treatment

The most cost relevant factor in the professional kitchen

Something you recognise in your daily work: The dishwasher is often in continuous operation – short but intensive cleaning cycles put a strain on the internal technology. Also, did you know that a limescale layer of just 0.4 mm can increase energy consumption by 25%? So you see: The right water treatment is not only crucial for the service life of the machine, but can also noticeably reduce the costs for energy and dishwashing products.

IT IS THE HARDNESS: CLASSIC WATER DAMAGE

Even a layer of limescale like this of just 0.4 mm increases energy consumption by 25% and it keeps growing.



This heating element was so well "wrapped" in thick layers of scale that the temperature control could no longer function and it literally burned out from overheating.



Water stains due to minerals in the municipal water hardness range "soft" (!)



The optimal water composition

Necessary for smooth operation



Water is generally classified in 3 hardness ranges:

Soft hardness range: < 8.4°dH

Medium hardness range: 8.4 – 14°dH

Hard hardness range: > 14°dH

The harder the water, the more chemicals or dishwasher detergent is required for each wash cycle. An optimal water quality reduces the detergent costs considerably.

Advantages of water treatment at a glance:

- Nozzles and pipes remain **free of scale**
- **Dishwashers last longer**, fewer malfunctions
- **Energy savings:** A limescale layer of just 0.4 mm increases energy consumption by around 25%!
- **Savings in consumables** such as detergents and rinse aids
- Reduce maintenance and **repair costs**
- **Stain and haze-free items**
- Polishing is not required (**time and staff savings**, less glass breakage, **hygiene**)
- **No corrosion** on machine parts due to chloride
- **No discolouration** of the items due to heavy metals

Guide values for water composition recommended by the working group for commercial flushing according to DIN SPEC 10534:

Total hardness: < 0 – 3° dH (German hardness)

Total salt content:

max. 400 µS/cm porcelain and opal glass

max. 100 µS/cm for glass

max. 80 µS/cm for stainless steel/cutlery

Chloride content:

max. 50 mg/l to prevent pitting corrosion

Heavy metals:

0.1 mg iron and 0.05 mg manganese per litre of water are limit values. As little as 0.05 mg copper per litre will discolour the dishes and the machine.

EXTRA COSTS for incorrect application

Quote from the working group for commercial dishwashing:
 "...with a limescale layer of just 0.4 mm on the heating rods, energy consumption of around 25% can be recorded. ..."

Energy extra costs with fresh water consumption:

Glass dishwashers:
 approx. 2.5 litres / basket >> **1,114.10 EUR/year***

Universal dishwashers:
 approx. 2.7 litres / basket >> **1,203.27 EUR/year***

Push-through dishwashers:
 approx. 3.0 litres / basket >> **1,336.92 EUR/year***

* Calculation basis according to the energy requirement calculation formula:
 5 hrs/d | 365 d/year | Electricity costs 0.30 € / kW | water inlet temperature 15 °C | fresh water temperature 85 °C

The dosage of the detergent always depends on the local total hardness. A total hardness of 15° dH causes additional costs of approx. 3 g/litre compared to water up to 3° dH.

Detergent extra costs with fresh water consumption:

Glass dishwashers:
 approx. 2.5 litres / basket >> **2,025.75 EUR/year***

Universal dishwashers:
 approx. 2.7 litres / basket >> **2,187.81 EUR/year***

Push-through dishwashers:
 approx. 3.0 litres / basket >> **2,430.90 EUR/year***

* Basis of calculation: 5 h/d | 365 d/year | detergent 3.70€/kg

Water treatment system provide security



Water softening system WEH1350

- Connection capacity: 1 unit
- Output capacity: 1,350 litres / day at 10° d (total hardness)
- Water intake temperature: 5 °C - 40 °C
- Water connection: 3/4"
- Connected load: 0.03 kW | 230 V | 50/60 Hz
- Dimensions: W 255 x D 435 x H 480 mm
- Weight: 11.6 kg



109889

Water softening system WEH1600

- Connection capacity: 1 unit
- Output capacity: 1,600 litres / day at 10° d (total hardness)
- Water intake temperature: 5 °C - 35 °C
- Water connection: 3/4"
- Regeneration: Time period
- Connected load: 0.006 kW | 230 V | 50/60 Hz
- Dimensions: W 255 x D 400 x H 420 mm
- Weight: 8.6 kg



109952

Soft water is the basis

for good cleaning results, but often it has various minerals such as calcium and magnesium salts. These substances affect processes that affect the cleanliness and purity of the items to be washed, but also affect the service life of the machine.

With the use of water treatment systems you achieve optimal results and a long service life of the machine, as well as maximum taste protection.

You can find out what degree of hardness your water has from your local water supplier.



Connection kit WEH1350

- Set comprises:
 - 1 hose 1/2" for regeneration, length 2 m
 - 1 hose 3/4" for water connection, length 1.5 m
- Water intake temperature: 40 °C

109884

Connection kit WEH1600

- Set comprises:
 - 2 armoured hoses OT - water connection 3/4", length 1 m, rated width Ø 15 mm

GTIN 4015613630748

109885

Full desalination system VK 500 FB

- Output capacity: 5,000 litres / cartridge at 10° d (total salt content)
- Desalination type: Full desalination
- Dimensions: W 260 x D 260 x H 635 mm
- Weight: 17.3 kg



109877

Partial desalination system TKD 13400 FB

- Output capacity: 13,400 litres / cartridge at 10° d (carbonate hardness)
- Desalination type: Partial desalination
- Dimensions: W 260 x D 260 x H 635 mm
- Weight: 17.4 kg



109878

Water connection set SP5000/KD13400

- Set comprises:
 - 1 adapter for tap, 1 water meter,
 - 2 supply hoses CNS: Water connection 3/4", length 1.5 m, rated width Ø 10 mm
- Dimensions: W 370 x D 300 x H 130 mm
- Weight: 1 kg



109886

Replacement cartridge VK 500 FB

- Material: Plastic, glass-fibre reinforced
- Credit note is issued when returned
- Weight: 17.3 kg

GTIN 4015613586762

109887

Replacement cartridge TKD 13400 FB

- Material: Plastic, glass-fibre reinforced
- Credit note is issued when returned
- Weight: 17.4 kg

GTIN 4015613586779

109888

High-performance commercial detergent:

The fuel for optimal cleaning

In the case of commercial dishwashing, the available cleaning time of 1.5 to 5 minutes is already minimised to such an extent that - unlike in private households - no cleaning reserves can be activated in terms of time alone. That has consequences for the choice of the right detergent.



The right dishwasher cleaning product is decisive

In addition to good cleaning mechanics and the required temperatures for cleaning and rinsing, optimised commercial detergents of the right quality and dosage must be used, otherwise the best new dishwasher cannot meet the cleaning requirements. In addition, the correct process organisation and operation of the dishwasher have a significant influence on the washing result.



Dishwasher cleaner F10L

- Designed for: Commercial dishwashers
 - Order unit: 1 canister
 - Content: 10 litres | model: Liquid
 - HACCP-compliant | chlorine-free
 - Phosphate-free
 - Use: Dosing using an automatic dosing system
 - Dimensions: W 220 x D 190 x H 310 mm
 - Weight: 9.7 kg
- GTIN 4015613773315



173270

Dishwasher cleaner F10LXTRA

- Designed for: Commercial dishwashers
 - Order unit: 1 canister
 - Content: 10 litres | model: Liquid
 - HACCP-compliant
 - Phosphate-free
 - Use: Dosing using an automatic dosing system
 - Dimensions: W 230 x D 190 x H 310 mm
 - Weight: 10.5 kg
- GTIN 4015613767895



173271

Rinsing agent F10L

- Designed for: Commercial dishwashers, domestic dishwashers
 - Order unit: 1 canister
 - Content: 10 litres | model: Liquid
 - HACCP-compliant | chlorine-free
 - Phosphate-free
 - Use: Dosing using an automatic dosing system
 - Dimensions: W 220 x D 190 x H 310 mm
 - Weight: 10.7 kg
- GTIN 4015613767901



173272

Everything you always wanted/should know about

dishwashing and dishwashers



Are there different types of water?

- Visually, there's often no difference. However, they result from the ingredients that can negatively affect the dishwashing result. It is possible to avoid negative effects through suitable treatment measures.

Which substances are found in water?

- Water can contain both solid and dissolved substances.
- Solids are, for example Sand, rust, or small debris from the plumbing system that can damage the dishwasher and water treatment system.
- Dissolved substances are gases and salts

Do the gases dissolved in the water affect the rinsing result?

- Dissolved gases are primarily the components of air: Nitrogen, oxygen and carbon dioxide. These do not affect the cleaning result.

Do the salts dissolved in the water affect the cleaning result?

- Dissolved salts affect the water quality as hardeners and non-hardeners. Hard and/or salty water makes the rinsing process more difficult and has a negative impact on the rinsing result (e.g. stains, deposits, corrosion).

What are the different hardness types?

- GH (total hardness)
 - KH (carbon hardness)
 - The hardness of the water is given in country-specific units:
 - ° d = German hardness
 - ° e = English hardness
 - ° f = French hardness or international in mmol/l
- 1° d = 1.25° e
1° d = 1.78° f
1° d = 0.18 mmol/l
1° d = 10 mg/l CaO
1° d = 17.8 mg/l CaCO₃



Which hardness ranges are there?

- Since 2007 the hardness ranges have been classified as follows
 - soft hardness range > 1.5 mmol/l | > 8.4° d
 - medium hardness range 1.5 – 2.5 mmol/l | 8.4° d – 14° d
 - hard hardness range > 2.5 mmol/l | > 14° d
- Water up to 3° d total hardness is – also combined with a low total salt content – is particularly good for cleaning by machine.

The right rinse aid dosing

- Correct dosing: Water film runs off smoothly
- Underdosing: Droplets on the items
- Overdosing: Bubbles/haze on the items

Can the dishwasher be descaled manually afterwards?

- The lye tank and the heating rod can be manually descaled. However, the inner boiler cannot be descaled!

Can I clean two baskets at the same time?

- No, only 1 basket can be inserted into the machine per cleaning cycle.



Are the dishes hygienically clean after a wash cycle?

- Yes, if the machine is set correctly (chemistry + temperature), the germs are killed in the rinse cycle at approx. 85 °C.

Glasses have water marks?

- The water exceeds the recommended guideline values - a desalination system must be installed upstream.
- The detergent and/or rinse aid is not dosed properly.



Plates/cutlery have water marks

- The water exceeds the recommended guideline values - a water treatment system must be installed upstream.
- The detergent and/or rinse aid is not dosed properly

When is a lye pump needed?

- A lye pump is required when a natural gradient or drainage of the water cannot be guaranteed.

What to do if there is white limescale or similar deposits on the dishes?

- Pre-clearance is done with excessively hot water (< 40 °C)
- The temperature of the main cleaning cycle of the machine is set too hot
- The water fed in (hot water connection) is too hot – max. up to 55 °C
- Check water quality - see limit values on page 70

Is a hot water connection recommended?

- With 230 V machines, the boiler and lye tank heating cannot heat in parallel. A hot water connection makes sense to shorten the reheating time or initial start-up. This must not be hotter than 55 °C.

Is the dishwasher immediately ready for use?

- The machine is not immediately ready for use! Before the first use, the lye tank must be filled with water and brought to operating temperature. This takes place automatically after pressing the start button. The machine is ready for use when the green lamp lights up.



What needs to be considered when setting up and connecting the machine?

- Generally, a water inlet and outlet and a corresponding power supply are required. Please check your water quality and determine the water hardness range (see page 70). Furthermore, the appliance must be set once to the correct dosage of detergent and rinse aid when it is put into operation for the first time.
- We recommend installation and connection by a professional service technician.

How often should I clean the machine?

- Clean and descale the rinsing arms and nozzles regularly/ weekly.
- The lye tank and the sieve inserts must be cleaned and emptied each day. If the daily load is high, empty the lye tank in between.



Consumption of rinse aid is extremely high?

- Dosing is not optimally set. The machine is set at the factory to the maximum amount and must be set once to the respective water quality and dosing information from the manufacturer.

What should I do if I want to use a different detergent/ rinse aid?

- The detergent or rinse aid must be adjusted to the respective water quality and dosing instructions of the manufacturer. This is also essential in case of a change of chemicals.

The crockery is not dry?

- The machines generally do not feature a separate drying program. The items to be cleaned are dried naturally during the rinsing process (85 °C). Plastic and synthetic items dry very poorly. We recommend that the front door is opened immediately after the cleaning cycle.

Can I put the plates directly in the dishwasher without pre-clearance?

- No, remains on the items to be cleaned must be removed beforehand! The max. water temperature may not exceed 40 °C.



Water comes out of the bottom part of the machine

- A problem with the hoses or the pump filter may be responsible.
- Make sure the seals on the water supply hoses are tight and secure.
- Attach the drainage hose tightly and securely on the drain.

The machine does not fill with water

- The tap may be closed. Open the tap fully.
- The water supply hose may be bent. Straighten the water supply hose.
- The filter in the water supply may be blocked. Clean the water supply filter.
- The dishwasher door may not be fully closed. Close the washing machine door.

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