

# UPster® H 500

Dishwashing is now almost a pleasure



The MEIKO *UPster*<sup>®</sup> H is designed for tableware and coffee cups, but also ideal as a high-performance dishwasher for glasses. With its sleek, easy-clean stainless steel surfaces and clearly designed, user-friendly operating panel, it offers impressive visual appeal from the outside. But things get even better on the inside: optimised wash and final rinse system, perfected tank design and a unique filter system.



# UPster® H 500

## Ergonomic design and performance

Warewashing convenience in premium quality: the *UPster® H 500* offers powerful cleaning in an easy-to-use package. Even wide or high washware can be simply and conveniently pushed into the *UPster® H 500* sideways. Now simply press down the hood grip and off you go: the automatic

program start initiates the wash operation. Another plus: when you open the vapour escapes to the rear and not into the face of dishwashing personnel. With some much operator comfort, the job almost becomes a pleasure!

### *UPster® H 500*

#### Passing height

H 440 mm

#### Rack size

500 x 500 mm

#### Rack capacity

up to 40 racks/h

#### Comfort options:

- MEIKO *AirConcept*
- MEIKO *GiO MODULE* technology (fig.)
- Water change program



The *UPster® H 500* with optional integrated MEIKO *AktivClean* water softening is a highlight of MEIKO engineering. **No waiting times or operational interruptions:** washing can continue during regeneration. No tank discharge is required. It only has to be topped up with salt. **Complete operating assurance:** the LED salt level indicator ensures complete control.



## UPster® H 500

All the plus points at a glance

### Comfort options:

- **Improved indoor environment with MEIKO AirConcept**
- **Spotless brilliance with MEIKO GiO MODULE**
- **Water change program** for uncomplicated reconditioning of wash water

### The UPster® H 500 in figures

- **More than enough space for big and small**, for example euro trays, large dishes and tall glasses: passing height 440 mm
- **A lot of space of glittering wash results:** rack size 500 x 500 mm
- **Economical water consumption:** 2.6 l per wash cycle

### Cleanliness and hygiene assurance

- **Hygiene assurance without compromises** thanks to digital temperature display for wash and final rinse temperatures, and permanent temperature control
- **Excellent washing results** due to excellent wash water filtration and optimum tank water regeneration with the *AktivPlus* wash water filter system
- **Optimum drying:** due to the inbuilt gradient in the wash and final rinse systems as well as the washing compartment ceiling, no drops fall on the cleaned washware
- **Consistent, reliable cleaning results:** Thanks to the pressure booster pump cleans the *UPster® H 500* independently of the mains water pressure
- **High operating reliability** due to leak detection in base tray

### Comfort and serviceability

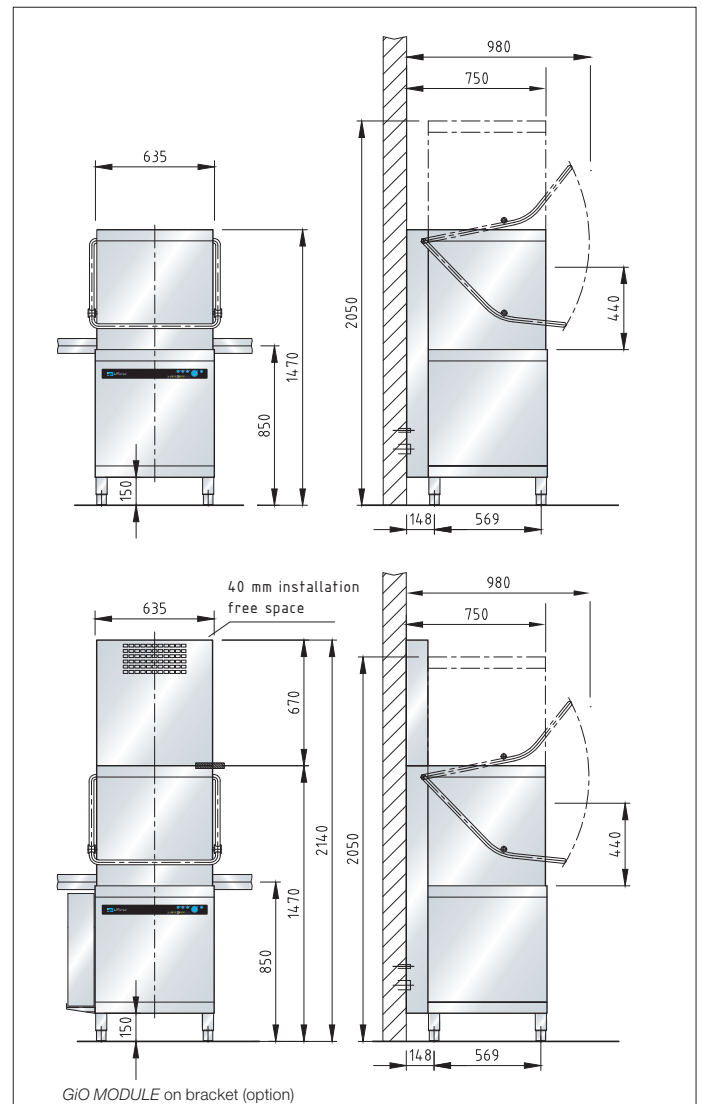
- **Uncomplicated operation with automatic program start:** simply press down the hood grip to start the program
- Easy to understand blue operating concept **eliminates risk of operator errors**
- **Always a clean wash chamber** through the intuitive self-cleaning program and tank cover sieve for selective removal of dirt in the *AktivPlus* fine filter
- **Protects glasses and dishes** with a wash pump with soft start

### Quality and durability

- **Robust for heavy commercial use:** wash and final rinse arms as well as dosing pipes made of stainless steel
- **Remains cool and quiet outside** by double-walled construction with insulation of the hood

### Simple installation and service

- **Simple ordering, rapid delivery**
- **Plug&play:** complete connection kit for water, waste water and electricity included in scope of delivery
- **Fits everywhere:** drain pump makes installation independent of building discharge height
- **Simple service:** electronic interface and easy service access



# UPster® H 500

with MEIKO AirConcept



## Bad air can take a hike

Steam and heat in the wash-up area are not only extremely uncomfortable and unpleasant for personnel, but also the most common cause of mould. The MEIKO AirConcept puts an end to this: it works hard to create an optimum hygiene, cleanliness and a better indoor climate. The MEIKO AirConcept noticeably improves the room climate and saves money. The steam discharge into the room is reduced by up to 80%. But it's more than just a comfort feature. What's more, it uses waste heat to heat up the rinse water, saving energy consumption by up to 18%. This is good for your employees and for the environment. Another highlight of the MEIKO AirConcept is the reliable self-cleaning function: Integrated cleaning nozzles keep the system hygienically clean after the end of the operation without consuming additional water. A really clean piece of work!

## MEIKO AirConcept

### All the plus points at a glance

- up to 80% less steam discharge
- perceptibly improved interior climate
- greater hygiene assurance
- energy savings of up to 18%
- accelerated self-drying of washware



Vapour extraction with self-cleaning at end of shift

Technical data		UPster® H 500
Self-cleaning feature (without additional water consumption)		Built-in cleaning nozzles
Vapour extraction (extended cycle time)	s	30
Reduction of heat emission into the room	kW	1.3
Exhaust air temperature (at feed water temperature of 12°C)	°C	approx. 25
Reduction of steam released into the room		80%
Reduction of connected load	kW	1.5

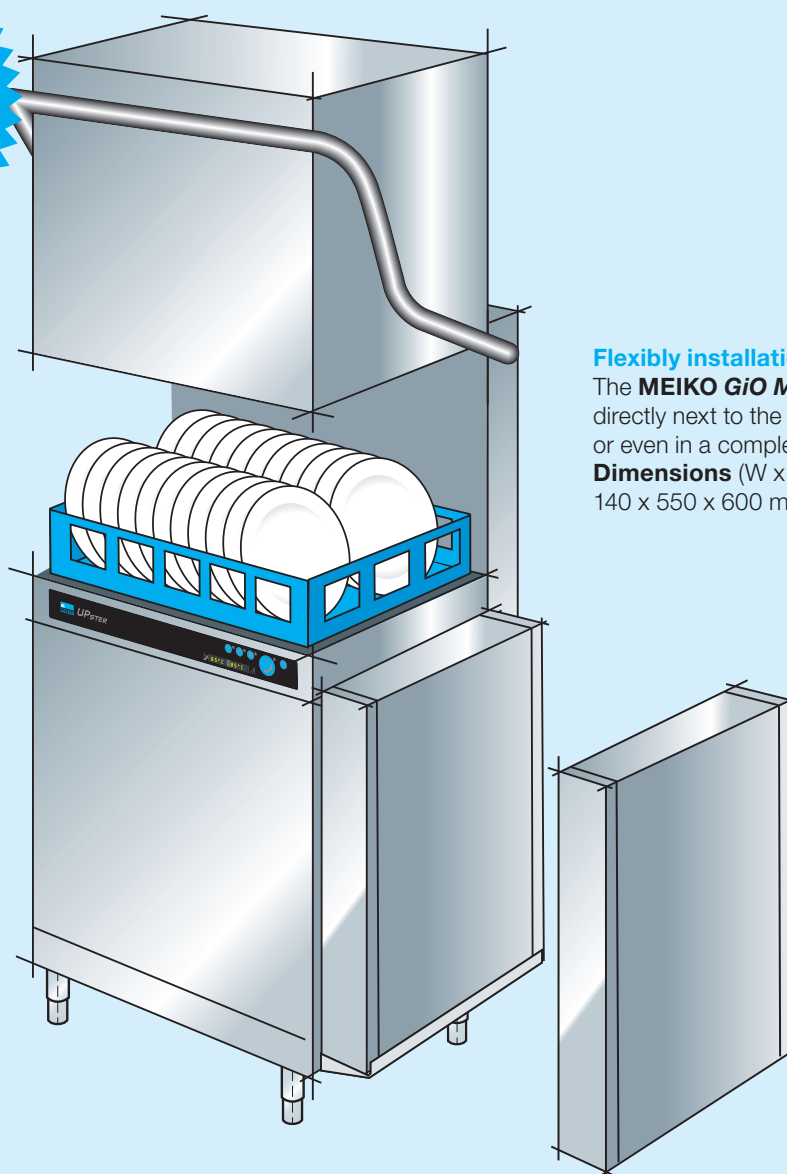
## MEIKO GiO MODULE – everything brilliantly clean

Clean dishes and dry glasses are the visiting card of any catering operation. The MEIKO *GiO MODULE* creates that vital optimum first impression. The result is perfect washware without streaks and with spotless brilliance. Hand drying becomes a vague memory. The MEIKO *GiO MODULE* is the reverse osmosis system for first class water treatment. With a purity of approx. 98%, it produces almost completely desalinated water. The economic and environment friendly way to perfectly shiny, clean and hygienically clean washware.

### The advantages of the MEIKO GiO MODULE at a glance:

- spotless wash and drying result
- valuable time savings:
  - no manual polishing up
  - faster loading and unloading
- fewer glass breakages
- no space wastage due to compact machine dimensions
- complete connection kit included in scope of delivery
- fully integrated into the dishwasher control system

With  
the MEIKO  
"GiO MODULE"  
water treatment  
technology:  
No need to polish  
glasses ever  
again!



### Flexibly installation:

The **MEIKO GiO MODULE** can be installed directly next to the machine, in its proximity or even in a completely different room.

**Dimensions** (W x D x H)  
140 x 550 x 600 mm

# UPster® H 500

## Detailed engineering

### The comfort functions



#### Elegantly simple: the wash chamber

Cleverly designed, easily removable strainer screens cover the wash tank below.

NEW! Blue operating concept, further optimised wash arm.



#### Clean: the AktivPlus wash water filter system

Fine filter system which works in tandem with the strainer screens to provide optimum wash water through multiple filtration. That means the tank water stays clean longer, ensuring the best and most hygienic cleaning results.

### Quick and safe: the installation

Easy-to-use connection kit for water, waste water and power. The built-in drain pump allows waste discharge up to a height of 700 mm.



#### The height of convenience: 440 mm usable passing height

Easily accommodates euro trays, large items dishware, tall glasses etc.



#### Ergonomic handling thanks to all-around hood grip

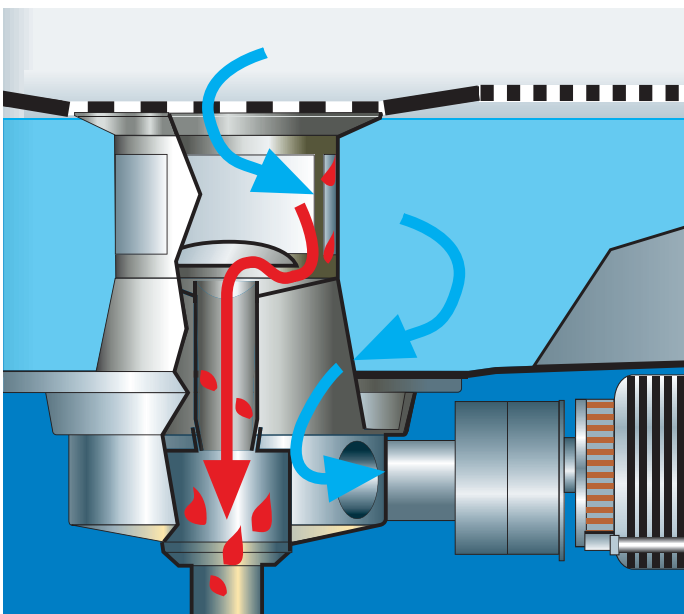
Simply press down the hood grip to start the program.

## Safety first



**Only robust engineering and premium materials guarantee top-quality cleaning results**  
Therefore only stainless steel was good enough for our wash and rinse arms.

## The MEIKO *AktivPlus* wash water filter system



**Outstanding cleaning results**  
thanks to multiple filtration of tank water.

## The water change program (option)

Replace the water in the tank at the touch of a button, and continue rinsing immediately with fresh new water. This simple, fully automatic process – ensures hygienic rinsing and optimum results.

## Water leak detection system in base drip tray



**High operating reliability** thanks to the water leak detection system, optimum protection of all built-in components.



**UPster®**

## Customised planning, installation and loading

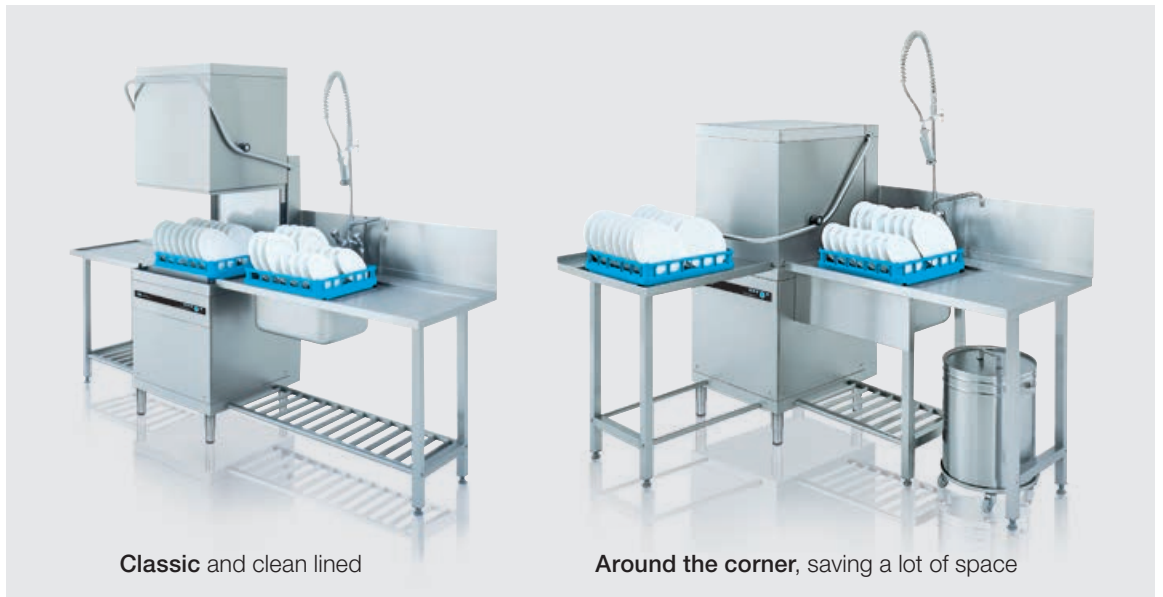
Whether in a straight line or around a corner: The ideal design of the MEIKO UPster® H 500 creates almost unlimited installation options. For the most effective wash organization, MEIKO offers a comprehensive product range with numerous other table variants.

From a simple roller conveyor table to a complete dishwashing station with integrated glasswasher - there are (almost) no limits to the possibilities.

Talk to us! The experts from MEIKO are happy to design an individual solution for you.



**Combined** and ready for all requirements



Technical data		UPster® U 400		UPster® U 500 G		UPster® U 500		UPster® H 500
		230 V	400 V	230 V	400 V	230 V	400 V	400 V
Tank heating	kW	2.0		2.0		2.0		2.0
Boiler heating	kW	2.0	3.0	2.0	6.0	2.0	6.0	7.5*
Pump output	kW	0.55		0.55		0.55		0.75
Total connected load	kW	2.8	3.8	3.0	7.0	3.0	7.0	10.6
Final rinse	l/rack	2.2		2.6		2.6		2.6
Tank capacity	l	11.0		11.0		11.0		22.0
Entry height/passing height	mm	300		315		420		440
Rack dimensions	mm	400 x 400		500 x 500		500 x 500		500 x 500
Program cycle times**	s	120/180/240		90/180/240		90/120/240		90/150/210
<b>Theoretical</b>								
rack capacities	up to racks/h	30/20/15		40/20/15		40/30/15		40/24/17
plate capacities	up to plates/h			720		720		720
glass capacities	up to glasses/h	750		1,440		1,440		1,440

\* Option of increased heat output available (at no extra cost).

\*\* If the machine is connected to a cold water supply and/or if baskets are inserted in quick succession, the duration of the wash cycles may be increased to achieve hygienic final rinse temperatures.

Please note that the design of ventilation systems for wash-up areas must comply with VDI 2052 regulations.

#### UPster® U 400, UPster® U 500, UPster® U 500 G

##### Electrical installation

Electrical connection: Three phase 3/N/PE, 400 V, 50 Hz; or with alternating current on site 1/N/PE, 230 V, 50 Hz.

Boiler and tank heating electrically interlocked so that both cannot be operated at the same time. Circuitry complies with the requirements of the Association of German Electrical Engineers (VDE).

##### Water installation

The machines can be connected directly to the fresh water supply without the use of intermediate safety valves.

Minimum flow pressure 0.6 bar (2.5 bar with UPster® U 400 with optional pressure booster pump), maximum pressure 5 bar.

The installation requirements of EN 1717 must be observed.

Drain DN 22 (fitted inside the machine as siphon).

Connecting hoses can be positioned below the machine or to the left or right.

(1 bar = 100 kPa)

#### UPster® H 500

##### Electrical installation

Electrical connection: three phase (3/N/PE, 400 V, 50 Hz).

##### Water installation

The machines can be connected directly to the fresh water supply without the use of intermediate safety valves.

Min. flow pressure 0.6 bar, max. pressure 5 bar.

The installation requirements of EN 1717 must be observed.

Drain DN 22. Connecting hoses can be positioned below the machine or to the left or right.

#### UPster® U 500, UPster® U 500 G, UPster® H 500

##### GiO MODULE

Cold water connection (max. 35 °C), min. flow pressure 1 bar,

max. pressure 5 bar. Conductivity of raw water <1000 µS/cm.

Total water hardness max. 28 °dH.

Connection kit: 1 m reinforced hose, stop valve, 10 µm filter with activated carbon, pressure regulator, 2 m reinforced hose to machine.

Drain kit: concentrate drain hose approx. 2 m, drain piping incl. back-flow preventer. Free discharge type AA as per EN 1717.

Permeate line and electrical cable between machine and separate GiO MODULE approx. 3 m. When using the GiO MODULE a backflow preventer is required for the mains water supply to ensure DIN-compliant operation as per EN 1717 (optional).

(1 bar = 100 kPa) (1 °dH approx. 0.18 mmol/l CaCO<sub>2</sub>)



Meets the hygiene requirements of DIN SPEC 10534.

