

# UPster® U / H Model Comparison

Undercounter and hood type dishwashing machines  
for glassware, dishes and utensils

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



## UPster® U series

Under the counter but exceeding the standard

MEIKO's new *UPster® U* range of undercounter dishwashers pulls out all the stops when it comes to professional warewashing technology, offering efficient cleaning performance, easy operation, maximum flexibility, and exceptional value for money. The perfect choice for your wash-up area. Simply plug it in and you're ready to go!



### **UPster® U 400**

**Entry height**  
H 300 mm  
**Dimensions**  
H 845 mm  
W 460 mm  
D 600 mm  
**Rack dimensions**  
400 x 400 mm  
**Rack capacity**  
Up to 30 racks/h



### **UPster® U 500**

**Entry height**  
H 320 mm  
**Dimensions**  
H 845 mm  
W 600 mm  
D 600 mm  
**Rack dimensions**  
500 x 500 mm  
**Rack capacity**  
Up to 30 racks/h



### **UPster® U 500 G M2**

**Entry height**  
H 315 mm  
**Dimensions**  
H 850 mm  
W 600 mm  
D 600 mm  
**Rack dimensions**  
500 x 500 mm  
**Rack capacity**  
Up to 40 racks/h

**Option**  
MEIKO *GIO MODULE*  
technology  
(integrated or separate)



### **UPster® U 500 M2**

**Entry height**  
H 420 mm  
**Dimensions**  
H 845 mm  
W 600 mm  
D 600 mm  
**Rack dimensions**  
500 x 500 mm  
**Rack capacity**  
Up to 40 racks/h

**Option**  
MEIKO *GIO MODULE*  
technology  
(integrated or separate)

## UPster® U

### All the plus points at a glance

#### Hygiene assurance and cleanliness

- **Hygiene assurance without compromises** thanks to digital temperature display for wash and final rinse temperatures, and permanent temperature control.
- **Excellent washing results** due to wash water filtration and optimum tank water regeneration.
- **No detergent residues** with 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.

#### Quality and long service life

- **Robust for heavy commercial use** since wash and final rinse arms as well as dosing pipes made of stainless steel.
- **Remains cool and quiet outside** because of the double-walled construction with insulation of the door.
- **Robust and hygienic** thanks to extended wash chamber with integrated rack guides.
- **Protection of the machine components** by stainless steel rear panelling.

#### Comfort and serviceability

- **Uncomplicated operation** thanks to the fully electronic control with 3 program cycle times.
- Highly intuitive blue operating concept **eliminates risk of operator errors.**
- **Protects glasses and dishes** due to a wash pump with soft start.
- **Always a clean wash chamber** through the intuitive self-cleaning program. The UPster® U 500 M2 models also has a tank cover sieve for selective removal of dirt in the *AktivPlus* fine filter.

#### Simple installation and service

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

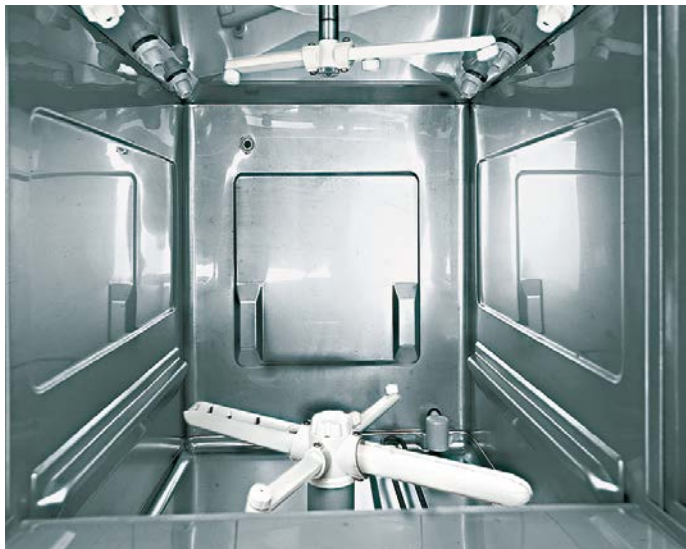
#### Model comparison

Features	UPster® U 400	UPster® U 500	UPster® U 500 G M2	UPster® U 500 M2
Dimensions (W x D x H)	460 x 600 x 845 mm	600 x 600 x 845 mm	600 x 600 x 850 mm	600 x 600 x 845 mm
Entry height	300 mm	320 mm	315 mm	420 mm
Rack dimensions	400 x 400 mm	500 x 500 mm	500 x 500 mm	500 x 500 mm
Rack capacity	up to 30 racks/h	up to 40 racks/h	up to 40 racks/h	up to 40 racks/h
Water consumption	2.2 l per wash cycle	3.0 l per wash cycle	2.6 l per wash cycle	2.6 l per wash cycle
Tank capacity in l	11.0	20.0	11.0	11.0
<b>Wash tank filtration</b>	- Eco-filter system - Automatic self-cleaning when tank is drained	- Eco-filter system - Automatic self-cleaning when tank is drained	- AktivPlus wash tank filtration - Sieve strainers covering the wash tank - Automatic self-cleaning when tank is drained	- AktivPlus wash tank filtration - Sieve strainers covering the wash tank - Automatic self-cleaning when tank is drained
<b>Automatic drain</b>	No	No	Yes	Yes
<b>Wash and rinse arms material</b>	HDP wash and rinse arms	HDP wash and rinse arms	Stainless steel wash and rinse arms	Stainless steel wash and rinse arms
<b>Stainless steel detergent &amp; rinse aid pipes</b>	No	No	Yes	Yes
<b>MEIKO GiO MODULE</b> option <i>Reverse osmosis system for spotless wash and drying results. No manual polishing needed.</i>	No	No	Yes	Yes
<b>Leakage detection system in the base drip tray</b>	No	No	Yes	Yes

# UPster® U series

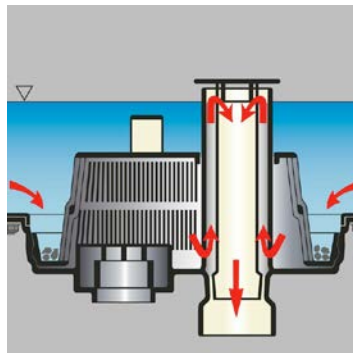
Everything for greater cleanliness and hygiene

## UPster® U 400 / U 500



### Double-wall construction

A beautifully designed professional wash chamber: robust technology and top-quality materials ensure outstanding cleaning results, while the wash tank does a great job with a capacity of just 11 litres.



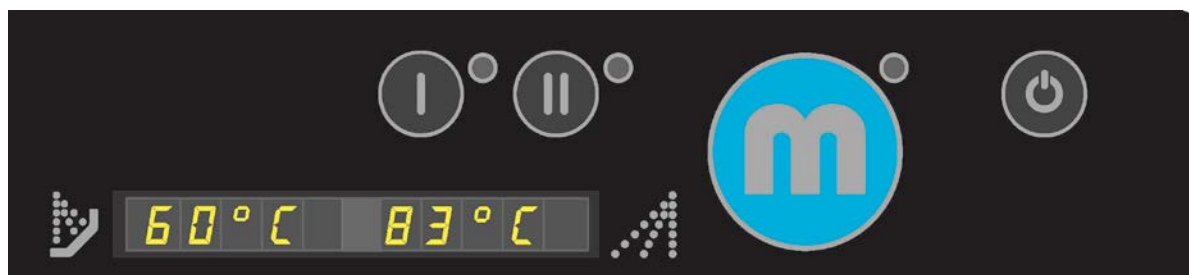
### Consistently excellent wash results:

The original MEIKO Eco-filter system filters the wash water in UPster® machines, ensuring maximum hygiene and clean tank water.



### Premium connection kit

Everything you need to get connected – it couldn't be easier! Simply pop the machine in place, connect it up, and you're ready to go. A connection kit for water, waste water and power is included as standard, making your job far easier.



Proven standards of hygiene thanks to digital display of wash and rinse temperatures.

## UPster® U 500 G M2 / U 500 M2

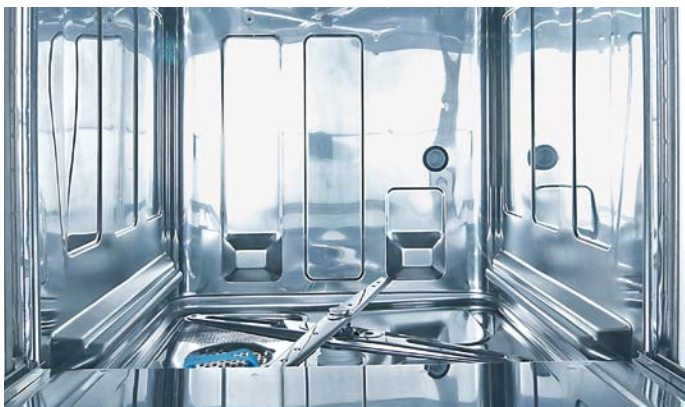


UPster® U 500 G M2

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



UPster® U 500 M2



### A clean piece of work:

The deep-drawn, generously dimensioned wash tank is easy to clean. This is in part also due to the integrated rack guides and consistently rounded off corners.



**Stainless steel wash and rinse arms with sieve strainers covering the wash tank.**



**Digital display** of wash and rinse temperatures



### The AktivPlus wash water filter system:

This means multiple filtered tank water and backup coarse screening for the pump – with easy handling of the system designed in. And that pays real dividends, producing sparkling cleanliness with minimal water consumption – just 2.6 litres of fresh water per wash cycle!



### The prerequisites for a long service life:

Robust engineering and premium materials make the UPster® so reliable. Stainless steel, also for the dosing pipes, is therefore a must.



### Quick, economical and reliable installation:

Thanks to the connection kit for water, waste water and electricity, every MEIKO UPster® is rapidly set up and even more quickly connected. The built-in drain pump can also connect to on-site drains outlets up to 700 mm in height.

# UPster® U series

Get glassware and dishes sparkling clean in no time!

## MEIKO GiO MODULE – everything always brilliantly clean (for UPster® U M2 models)

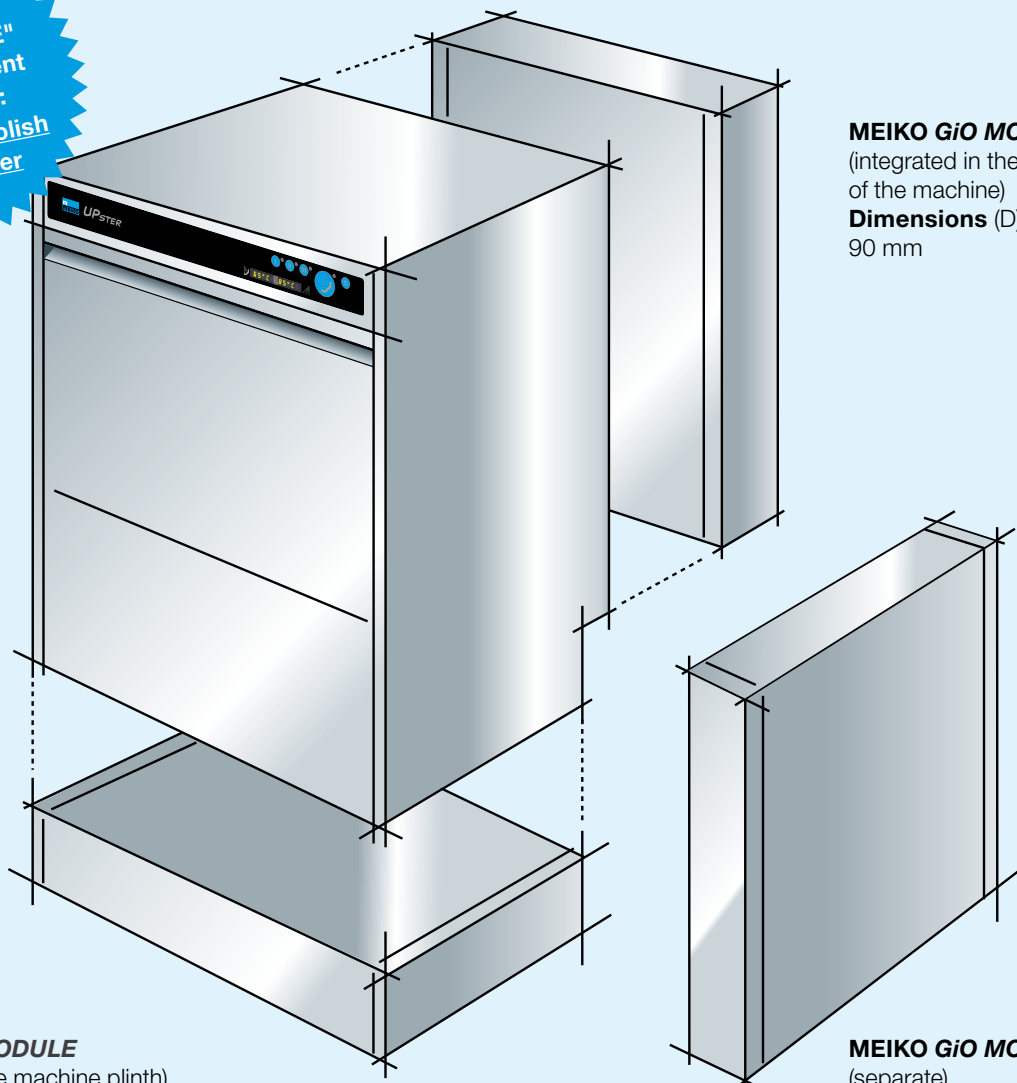
Clean dishes and dry glasses are an absolute must. With the MEIKO GiO MODULE you will always shine because it ensures perfect washing results and a brilliant finish. Meaning that manual polishing was yesterday.

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 dishes.

### 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's control system

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



### MEIKO GiO MODULE

(integrated in the rear panel of the machine)

**Dimensions (D):**  
90 mm

### MEIKO GiO MODULE

(integrated in the machine plinth)

**Dimensions (H):**  
120 mm or 150 mm

### MEIKO GiO MODULE

(separate)

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

# UPster® H 500

Dishwashing is now almost a pleasure



# UPster® H 500

Ergonomic design and performance

The MEIKO *UPster*® 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**

**Passing height**

H 440 mm

**Rack size**

500 x 500 mm

**Rack capacity**

up to 40 racks/h

## **Option:**

- MEIKO *AirBox AktivAir*

## **UPster® H 500 M2**

**Passing height**

H 440 mm

**Rack size**

500 x 500 mm

**Rack capacity**

up to 40 racks/h

## **Options:**

- MEIKO *AirConcept*
- MEIKO *GiO MODULE* technology





## UPster® H 500

All the plus points at a glance

### 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 wash water filtration and optimum tank water regeneration.
- **Optimum drying** with the inbuilt gradient in the wash and final rinse systems. The sloped hood ceiling and surrounding drip channel prevent wash water from dripping onto cleaned dishware.
- **Consistent, reliable cleaning results** thanks to the pressure booster pump.

### Quality and long service life

- **Robust for heavy commercial use** since wash and final rinse arms as well as dosing pipes made of stainless steel.
- **Remains cool and quiet outside** because of the double-walled construction with insulation of the door.
- **Protection of the machine components** by stainless steel rear panelling.

### 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.**
- **Protects glasses and dishes** thanks to a wash pump with soft start.
- **Always a clean wash chamber** through the intuitive self-cleaning program. The UPster® H 500 M2 also has a tank cover sieve for selective removal of dirt in the *AktivPlus* fine filter.

### Simple installation and service

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

### Model comparison

Features	UPster® H 500	UPster® H 500 M2
Dimensions (W x D x H)	635 (687) x 750 (850) x 1520 mm (with hood handle)	635 (687) x 750 (850) x 1520 mm (with hood handle)
Entry height	440 mm	440 mm
Rack dimensions	500 x 500 mm	500 x 500 mm
Rack capacity	up to 40 racks/h	up to 40 racks/h
Water consumption	3.0 l per wash cycle	2.6 l per wash cycle
Tank capacity in l	22.0	22.0
<b>Automatic start</b> – Machine starts automatically when hood handle is pressed down	Yes	Yes
<b>Wash tank filtration</b>	- Eco-filter system - Automatic self-cleaning when tank is drained	- <i>AktivPlus</i> wash tank filtration - Automatic self-cleaning when tank is drained - Sieve strainers covering the wash tank
<b>Automatic drain</b>	No	Yes
<b>Wash and rinse arms material</b>	Stainless steel wash and rinse arms	Stainless steel wash and rinse arms
<b>Stainless steel detergent &amp; rinse aid pipes</b>	No	Yes
<b>MEIKO GiO MODULE</b> option <i>Reverse osmosis system for spotless wash and drying results. No manual polishing needed.</i>	No	Yes
<b>Vapour treatment option</b>	AirBox <i>AktivAir</i> vapour condensation hood	<i>AirConcept</i> heat recovery system
<b>Leakage detection system in the base drip tray</b>	No	Yes

# UPster® H

The power of pass-through warewashing

## UPster® H 500



UPster® H 500



UPster® H 500 with AirBox ActivAir



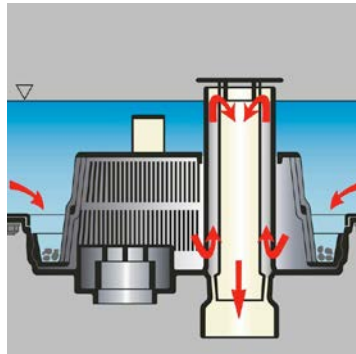
### Double-wall construction

A beautifully designed professional wash chamber: robust technology and top-quality materials ensure outstanding cleaning results. There are two cleverly designed, easily removable strainer screens cover the wash tank below.



### Easy-to-clean interior

Located towards the front of the machine, the deep-drawn wash tank is designed for low maintenance and easy access. No pipes or tubes on the back of the machine which could get in the way. Superbly user-friendly eco-filter.



### Consistently excellent wash results:

The original MEIKO Eco-filter system filters the wash water in UPster® machines, ensuring maximum hygiene and clean tank water.



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

Simply press down the hood grip to start the program.



Proven standards of hygiene thanks to digital display of wash and rinse temperatures.

### 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.

## UPster® H 500 M2



UPster® H 500 M2

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



UPster® H 500 M2 with AirConcept



### Elegantly simple: the wash chamber

Cleverly designed, easily removable strainer screens cover the wash tank below. The user-friendly **Blue operating concept** means that blue coloured part can be removed and washed.



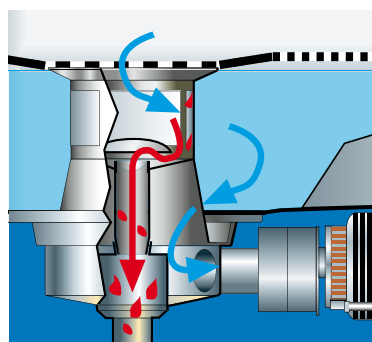
### Clean: the AktivPlus wash water filter system

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.



### 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.



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

# UPster® H 500

with MEIKO AirBox *AktivAir* and *AirConcept*

## Options for vapour treatment

### MEIKO AirBox *AktivAir* for UPster® H 500

**AirBox *AktivAir* vapour condensation hood (optional):  
a huge boost in comfort in the wash-up area**

- Centralised vapour management
- Significantly reduces the amount of steam released
- Keeps steam away from machine operators
- Built-in condensate drain
- Steam extraction initiated by dishwashing programme
- Continues running for specified time after programme finishes
- No filter technology – maintenance free



### MEIKO AirConcept for UPster® H 500 M2

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!



Vapour extraction with self-cleaning at end of shift

### 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

Technical data		UPster® H 500 M2
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

# UPster® H 500 M2

with MEIKO *GiO MODULE*

## MEIKO *GiO MODULE* – everything brilliantly clean (for UPster® H 500 M2)

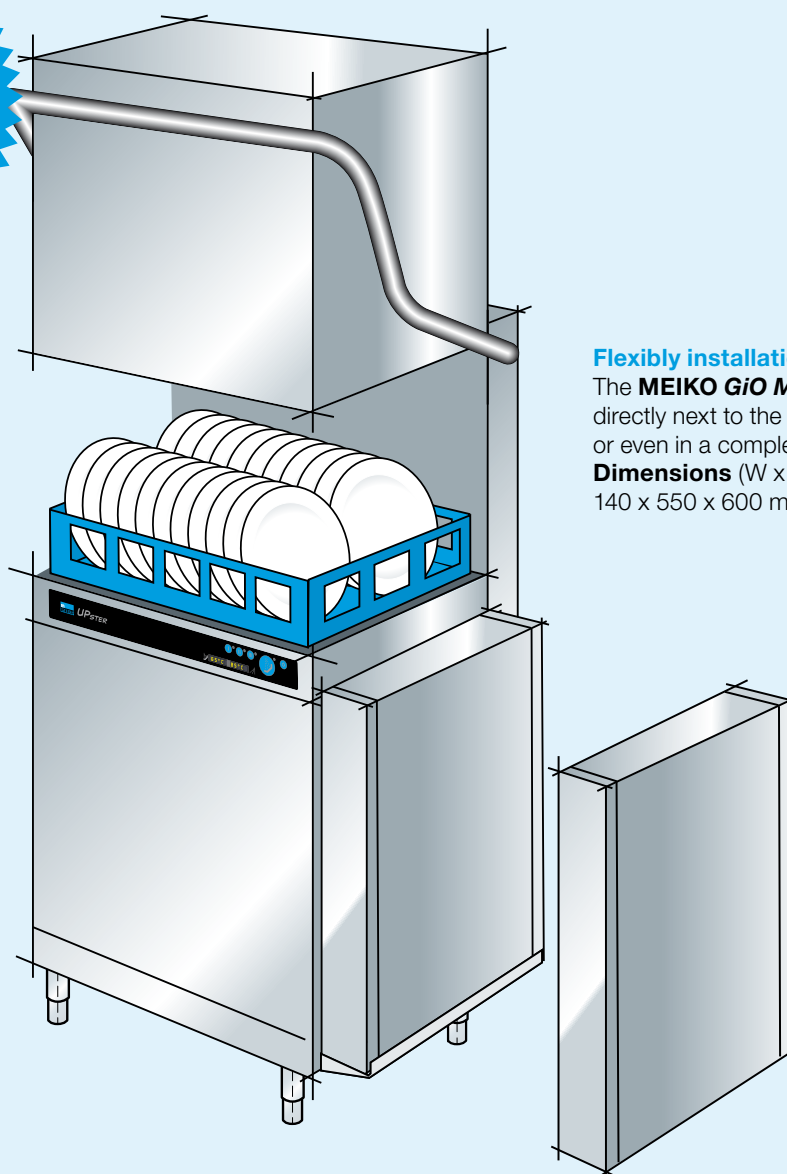
Clean dishes and dry glasses are the visiting card of any catering operation. The MEIKO *GiO MODULE* creates that vital optimum first impression. The result is perfect washware without streaks and with spotless brilliance. Hand drying becomes a vague memory.

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®**

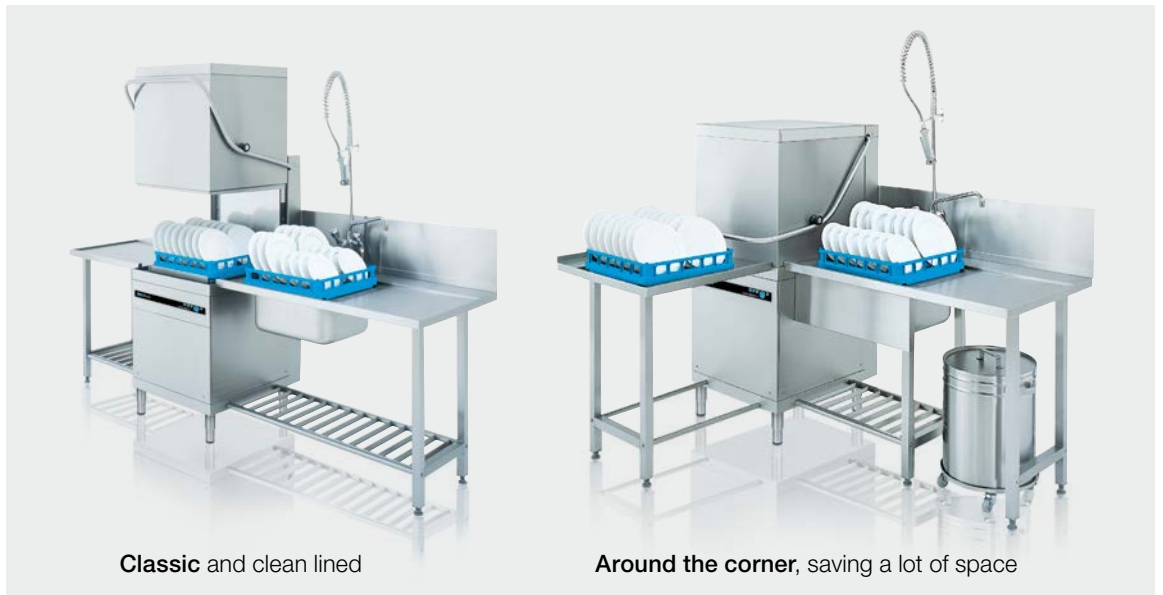
## Customised planning, installation and loading

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		UPster® U 500 G M2		UPster® U 500 M2	
		230 V	400 V	230 V	400 V	230 V	400 V	230 V	400 V
Tank heating	kW	2.0		2.0		2.0		2.0	
Boiler heating	kW	2.0	3.0	3.0	4.5	2.0	6.0	2.0	6.0
Pump output	kW	0.55		0.55		0.55		0.55	
Total connected load	kW	2.8		2.8	5.2	2.9	6.9	2.9	6.9
Program cycle times**	s	120/180/240		120/180/240		90/180/240		90/120/240	
<b>Theoretical</b>									
rack capacities	up to racks/h	30/20/15		30/20/15		40/20/15		40/30/15	
plate capacities	up to plates/h			540/360/270		720/540/270		720/540/270	
glass capacities	up to glasses/h	750/500/375		1,080/720/540		1,440/1,080/540		1,440/1,080/540	

Technical data		UPster® H 500		UPster® H 500 M2
		230 V	400 V	400 V
Tank heating	kW	2.0		2.0
Boiler heating	kW	7.5		7.5
Pump output	kW	0.75		0.75
Total connected load	kW	8.5		10.7
Program cycle times*	s	90/150/240		90/150/210
<b>Theoretical</b>				
rack capacities	up to racks/h	40/24/17		40/24/17
plate capacities	up to plates/h	720/432/306		720/432/306
glass capacities	up to glasses/h	1,440/864/612		1,440/864/612



**MEIKO®  
ACTIVE**

For sustainable hygiene and im-pressive washing results, MEIKO recommends cleaning and hygiene products made by MEIKO **ACTIVE**.

\* 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 all models

### 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 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 G M2, UPster® U 500 M2, UPster® H 500 M2 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>3</sub>)

Meets the hygiene requirements of DIN SPEC 10534.

Manufacturer:

MEIKO Australia Pacific Pty. Ltd.

Unit 4, 72-74 Lower Gibbes Street, Chatswood, NSW 2067  
1300 562 500 | info@meiko.com.au | www.meiko.com.au

