

M-iClean U

Undercounter dishwashing machines for glasses, dishes and utensils



M-iClean U
With **ComfortAir**
heat recovery
and fully integrated
reverse osmosis
GiO MODULE



A woman with glasses and a white t-shirt is working at a bar. She is leaning over a counter, her hands near a MEIKO espresso machine. The background is a blurred bar setting with warm lighting and wooden accents.

Quality made by MEIKO

Recognised worldwide as a promise of cutting-edge technology, great design and innovative engineering. And MEIKO does not stop there: we take a holistic attitude to quality, ensuring our products, processes and services are all of the highest calibre – giving you peace of mind about the reliability of your investment. The latest generation of *M-iClean U* undercounter dishwashing machines. They still have a *GiO MODULE* – but now it's fully integrated. That saves space, as well as installation and maintenance costs. What about heat recovery? Yes, and now it is highly efficient. The name: *MEIKO ComfortAir*. Removes up to 80%* of steam for convenient, comfortable and super speedy warewashing. And the hygiene? Top notch, of course. The fresh water circulates in a completely separate system.

*All values based on savings achieved using the *ComfortAir* heat recovery system.



M-iClean – the signal concept

Outstanding results in a visually striking package

You can see from the very first glance: the *M-iClean* is the start of a whole new chapter in technology and design. From its striking LED indicator handle to its silky matt stainless steel body and bright, clearly arranged interior, the *M-iClean* is quite clearly in a league of its own. Innovative technology and clean lines are the order of the day, right down to the very last details.

And the *M-iClean* also throws warewashing into a colourful new dimension with an LED indicator handle that glows blue, green or red. This is how the machine clearly and visibly communicates its status: blue means 'ready for operation', flashing green is 'washing efficiently' and red indicates an 'important message'.

This revolutionary feature is designed to ensure maximum availability and efficiency. Beauty, simplicity and intelligence.

The LED indicator handle is the signature feature of the M-iClean

The *M-iClean* catches the eye immediately thanks to its striking LED indicator handle. The handle boasts an elegant design, smooth action and provides a useful indication of the machine's status. Always cool to the touch and remarkably satisfying to use, it gives the *M-iClean* a look that is entirely unique. Directly above the LED indicator handle is the ergonomic touchscreen display which acts as the *M-iClean*'s control panel. All the available functions appear as clearly identifiable icons, while the dynamic progress bar shows how much of the wash cycle has already been completed. Open the *M-iClean*'s door and you are in for a sparkling treat: the LED lighting gives a great view of the machine's interior as it glitters off the bright stainless steel surfaces. *M-iClean* – the brightly coloured face of a new generation of dishwashing machines.

M-iClean: say goodbye to dull routines!

Warewashing just got a lot more colourful. As well as lifting people's moods and boosting motivation, the colour-coded *M-iClean* LED indicator also passes on important information to the machine operator.



M-iClean – the blue operating concept

If only everything was this simple

Clarity is the number one priority. The *M-iClean* is tremendously reliable and easy to operate: working by colours. Any part of the machine that is coloured blue or illuminated in blue can be touched, operated or cleaned. This colour code prevents operator errors and accidental interruptions to the wash process.

The blue-lit glass operating panel only ever shows the exact functions that can be performed at that specific moment in time. And the dynamic blue progress bar clearly indicates how much of the programme cycle has already been completed.

The blue components inside the appliance, such as the practical *M-iClean filter*, are the components that can easily be checked or cleaned by the machine operator.



MEIKO Private Label: the welcome screen can be individually configured with a logo. You can even save up to three different images as screen savers, such as contact details for the service team.

The *M-iClean's* glass operating panel provides all the key information at a glance. One-touch operation makes it easy for machine operators to navigate through the programme options.

M-iClean – the efficient wash system

Technology can be beautiful

Two become one: the *M-iClean* uses a specially designed, stainless steel combined wash and rinse arm which harmoniously combines the machine's *wash* and *rinse* functions.

The benefits:

- Spray reaches all areas
- Durable, robust material
- Incredibly easy to clean

As well as being more efficient, the combined wash system is also more attractive and aesthetically appealing. That's *M-iClean*.

Easy to clean, zero hassle

The *M-iClean filter* delivers reliable dirt removal and is easy to take out and clean. For the ultimate in user-friendly cleaning, simply pull out the filter to remove any accumulated dirt.

Of course, the fact that it's blue clearly tells you 'I'm part of MEIKO's blue operating concept. You can take me out, clean me and pop me back in. Just like that!'

The *M-iClean* automatically checks that everything has been put back in the right place.



All-in-one: the combined *M-iClean* wash and rinse arm.



Easy to pop out, simple to clean: the *M-iClean filter*.



A clean solution:
the practical *M-iClean filter*.

Smart ways to save

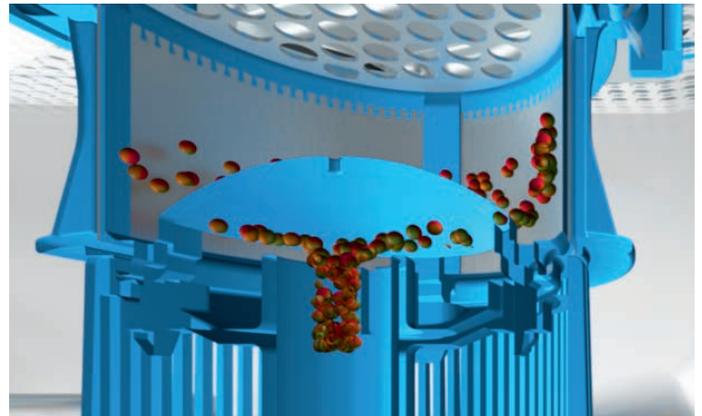
Life isn't just black and white, there are so many gradua-tions in between – and that's the principle behind *M-iClean* technology, too. The *M-iClean* uses an intelligent energy management system to gradually shift machine functions into standby mode when it's idle. This scale of standby lev-els means you consume less energy. By having a progres-sive series of eco modes instead of just one standby status, the *M-iClean* demonstrates the power of progress through smart engineering.



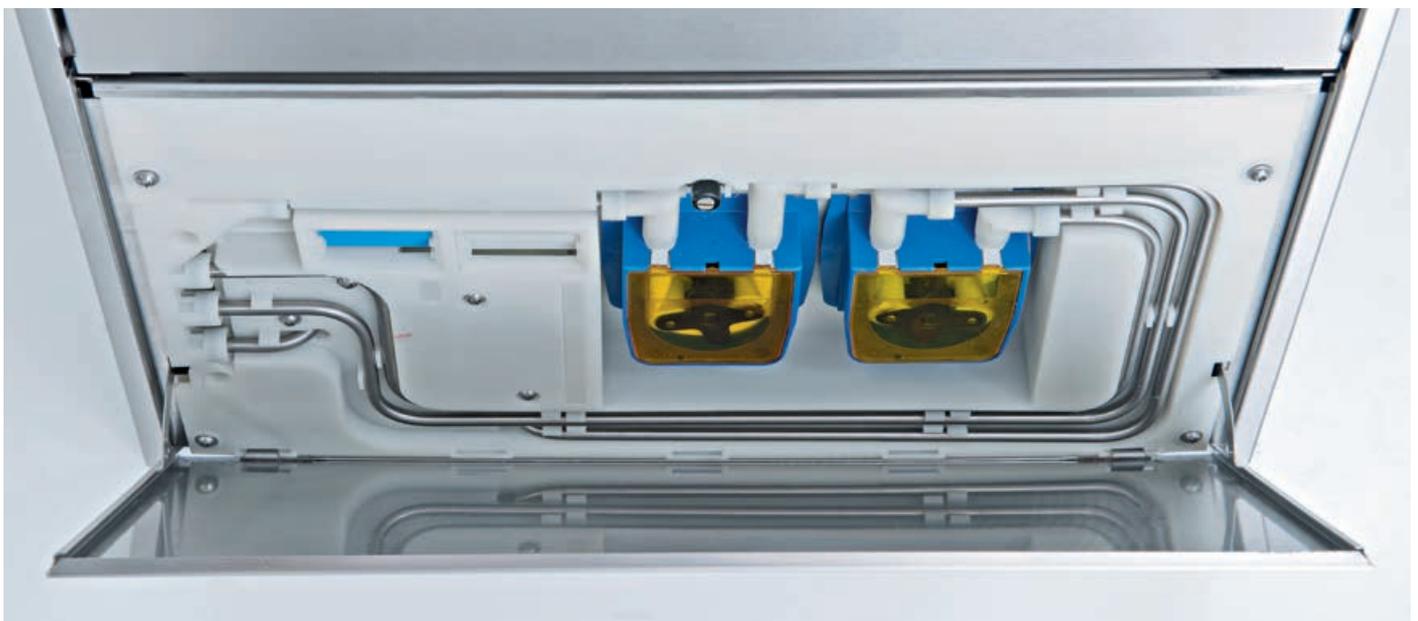
Maximum cleanliness down to the very last corner with optimal use of resources.

Making the best use of water and energy

The *M-iClean filter* effectively removes dirt, thereby vastly reducing how much detergent and clean water are needed. The *M-iClean* wash programmes are designed with users in mind, offering the best balance of cleanliness and cost-effectiveness. For excellent washing results. That is green cleaning in action.



Keeping things perfectly clear: the *M-iClean filter*.



The *M-iClean* uses as much stainless steel as possible to ensure maximum reliability – the dosing pipes are just one example (and this even applies to the interior).

M-iClean – GiO MODULE technology

Reverse osmosis technology to demineralise your wash water

The MEIKO *GiO MODULE* – the MEIKO technology to demineralise your wash water – a fully integrated part of the *M-iClean U* (optional). That includes the complete reverse osmosis module and the fine filter. It removes almost all

foreign substances, minerals, bacteria and viruses from the water. MEIKO *GiO MODULE* technology provides high-purity wash water and thus brilliant washing results, without the need to polish.



MEIKO *GiO MODULE*
Close to the machine or
e.g. in another room
Dimensions (W x D x H)
140 x 550 x 600 mm



MEIKO *GiO MODULE*
Integrated into the plinth
Dimensions (height):
options: 120 mm or 150 mm



MEIKO *GiO MODULE*
At the rear of the machine
Dimensions (depth):
90 mm



The compact structure and the pre-integrated MEIKO *GiO MODULE* reduce space requirements and eliminate the need for pre-installation or alterations. That saves you time, space and money. *GiO MODULE* separated from fresh water supply according to EN 1717, no additional backflow prevention. The fine filter can be replaced quickly and easily by the operator so you don't have to wait for a service technician and, most importantly, there are no unnecessary maintenance costs.

The **M-iClean U** with **MEIKO ComfortAir** heat recovery

Washing much faster and saving much faster:

The latest generation of *M-iClean U* saves an entire 30 seconds per wash cycle* using *ComfortAir* heat recovery and the larger heat recovery tank in comparison to the previous model. Quickly save time and resources: operating costs drop by up to 21%*.

Opening the dishwashing machine with almost no steam:

the air is clear even when opening the door after the wash cycle. No hot steam hitting operating staff in the face, no fogged-up glasses, no moisture on furniture.

The staff are immediately excited about the pleasant indoor climate – and very motivated at work.

Almost dry: the *MEIKO ComfortAir* heat recovery system condenses even more moist steam on the internal wall of the machine. That means that by the end of the wash cycle, the residual moisture is down by up to 98%* on the plates and up to 75%* on the glasses, so your washware is ready for use again after just a short time.



The heat recovery system, *MEIKO ComfortAir*: larger stainless steel heat exchanger surface for faster cooling. Opening the dishwashing machine with almost no steam: the air is clear even when opening the door after the wash cycle. No hot steam hitting operating staff in the face, no fogged-up glasses, no moisture on furniture.

M-iClean US – glasswasher

So small and yet so powerful



Comfort options:

- MEIKO *ComfortAir* heat recovery system
- MEIKO *GiO MODULE* technology
- Water change programme

Entry height

H 315 mm

Dimensions

H 700–735 mm, W 460 mm, D 600 mm

Reverse osmosis module in base of plinth

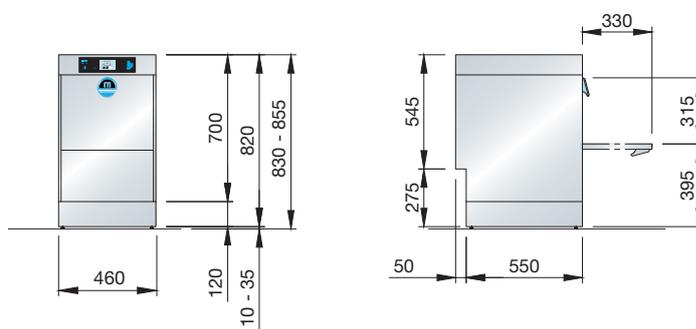
H 120 mm

Rack size

400 x 400 mm

Rack capacity

up to 40 racks/hour



M-iClean UM – glasswasher

Outstanding cleanliness in bistros and cafés



Comfort options:

- MEIKO *ComfortAir* heat recovery system
- MEIKO *GiO MODULE* technology
- Water change programme
- Cold water rinse

Entry height

H 315 mm

Dimensions

H 700–735 mm, W 600 mm, D 600 mm

Reverse osmosis module in base of plinth

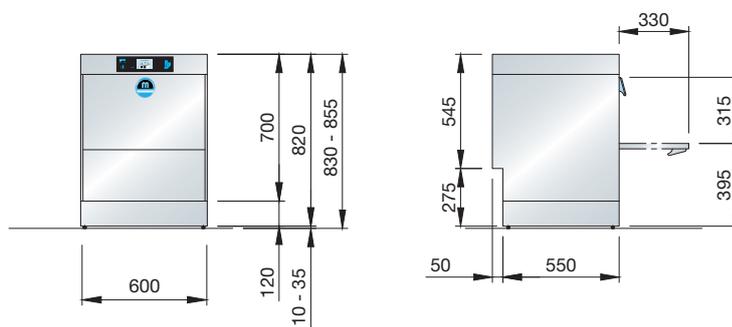
H 120 mm

Rack size

500 x 500 mm

Rack capacity

up to 40 racks/hour



M-iClean UM+ – dishwashing machine

The specialist with large entry height



Comfort options:

- MEIKO *ComfortAir* heat recovery system
- MEIKO *GiO MODULE* technology
- Water change programme

Entry height

H 435 mm

Dimensions

H 820–855 mm, W 600 mm, D 600 mm

Reverse osmosis module in base of plinth

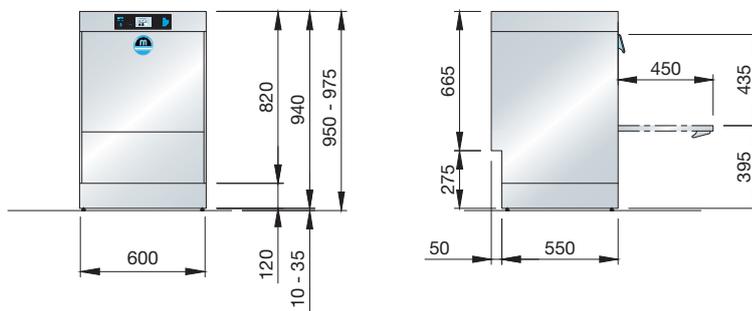
H 120 mm

Rack size

500 x 500 mm

Rack capacity

up to 40 racks/hour



M-iClean UL – glass, utensil and dishwasher

The expert for bakeries and butcher shops



Comfort options:

- MEIKO *ComfortAir* heat recovery system
- MEIKO *GiO MODULE* technology
- Water change programme

Entry height

H 435 mm

Dimensions

H 820–855 mm, W 600 mm, D 680 mm

Reverse osmosis module in base of plinth

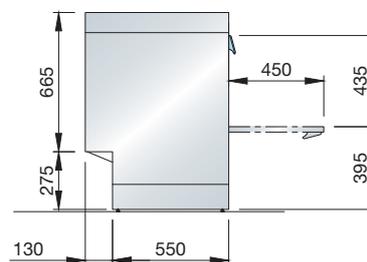
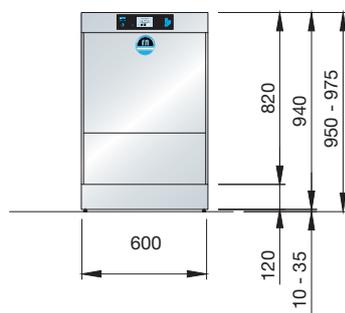
H 120 mm

Rack size

500 x 500 mm to 600 x 500 mm

Rack capacity

up to 40 racks/hour



M-iClean UM+ / UL – ergonomic extras



M-iClean UM+ / UL
more ergonomic, with
lower cupboard and
subframe

Cupboard height
400 mm
Subframe height
150 mm

M-iClean U – technical information

Three-phase current: 3/N/PE, 400 V, 50 Hz
 Alternating current: 1/N/PE, 230 V, 50 Hz
 Fresh water supply line: soft cold water 0–3 °dH

M-iClean U		US		UM		UM+		UL	
		400 V	230 V	400 V	230 V	400 V	230 V	400 V	230 V
Rack capacity (theoretical)	racks/h	40/30/20	20/20/15	40/30/20	20/20/15	40/30/15	20/20/15	40/30/15	20/20/15
Programme runtime (cold water)	s	90/120/180	180/180/240	90/120/180	180/180/240	90/120/240	180/180/240	90/120/240	180/180/240
Rack size	mm	400 x 400		500 x 500		500 x 500		500 x 600 (500)	
Entry height	mm	315		315		435		435	
Dimensions	W x Hmin x D/mm	460 x 700 x 600		600 x 700 x 600		600 x 820 x 600		600 x 820 x 680	
Total connected load	kW	6.7	2.7	6.7	2.7	6.7	2.7	6.7	2.7
Fuse protection on site	A	16		16		16		16	
Degree of protection of the machine		IPX4		IPX4		IPX4		IPX4	
Equipment		Control system: MIKECPU4/Bluetooth interface for wireless communication/water leak detection Temperature-dependent wash time increase/automatic self-cleaning feature when emptying tank							
Fresh water supply line		Type AB air gap according to EN 1717 with pressure booster pump							
Fresh water supply		Minimum flow pressure 60 kPa/0.6 bar upstream of the solenoid valve Maximum pressure 500 kPa/5.0 bar Max. feed water temperature 60 °C							
Flow rate	l/min	3		3		3		3	
Rinse water volume	l/wash cycle, variable	1.9		2.4		2.4		2.8	
Boiler	content/l	7.0		7.9		7.9		7.9	
	Heating/kW	6.00	2.00	6.00	2.00	6.00	2.00	6.00	2.00
	Temperature/°C	65		65		83		83	
	Tank and boiler heating locked	✓		✓		✓		✓	
Wash tank	fill/l	7.5		11.0		11.0		11.0	
	Heating/kW	2.00		2.00		2.00		2.00	
	Temperature/°C	60		60		60		60	
Wash pump, with frequency converter	power/kW	0.40		0.40		0.40		0.40	
Rinse aid dosing		Hose pump (24 V) with time control and suction lance							
Detergent dosing		Hose pump (24 V) with time control and suction lance							
Material	Cladding	1.4301							
	Wash tank	1.4301							
	Boiler	1.4571							
Heat emission, for 20 programme runs/h	total/kW	1.4		2.1		2.1		2.1	
	sensitive/kW	1.0		1.4		1.4		1.4	
	latent/kW	0.4		0.7		0.7		0.7	
Supply air stream	m³/h	340		540		540		540	
Steam emission	kg/h	0.7		1.0		1.0		1.0	
Volume	dB(A)	58		60		61		62	
Net/gross weight	kg	56.0 / 67.7		63.0 / 74.8		74.0 / 86.0		77.0 / 89.5	
	With standard packaging								
Packing size	W x H x D/mm	500 x 900 x 690		700 x 1050 x 700		700 x 1050 x 700		700 x 1050 x 770	
	Standard packaging								

If the machine is connected to a cold water supply and/or if rack exchange times are short, the duration of the wash cycles may be increased to achieve hygienic final rinse temperatures. The water change programme increases the duration of the programme runtime.

Electrical installation: electrical connection: three-phase current 3/N/PE 400 V, 50 Hz, can be converted to alternating current 1/N/PE, 230 V, 50 Hz on site.
 Fuse protection: 16 A.

Water installation: machines can be connected directly to the fresh water connection without the use of intermediate safety valves. Minimum flow pressure 0.6 bar, maximum pressure 5 bar. The fresh water connection must be installed in accordance with regional regulations (e.g. Germany DIN 1988/EN 1717)
 Drain hose DN 22. Max. height of on-site wall drain 700 mm. Connecting cables reach approx. 1.4 m from machine.

GiO MODULE (all versions): cold water connection (max. 35 °C), minimum flow pressure 1 bar, maximum pressure 5 bar. Conductivity of raw water 70–1000 µS/cm. Total water hardness max. 28 °dH.

10 µm filter with integrated activated carbon.
 Connecting line between machine and GiO MODULE mounted separately, approx. 3 m.
 Drain hose DN 22.
 On-site drain outlet max.:

M-iClean US, M-iClean UM 420 mm/M-iClean UM+ 540 mm
 GiO plinth, 120 mm: M-iClean US, M-iClean UM 540 mm/M-iClean UM+, M-iClean UL 660 mm
 GiO plinth, 150 mm: M-iClean US, M-iClean UM 570 mm/M-iClean UM+, M-iClean UL 690 mm.

(1 bar = 100 kPa) (1 °dH approx. 0.18 mmol/l CaCO₃)



The clean solution



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

The machine fulfils the hygiene requirements specified in EN 17735.

