MEIKO MIDDLE EAST FZE
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M-iClean UM Gio– Undercounter glasswasher

All MEIKO dishwashing machines are designed and built to provide maximum efficiency. That's what customers expect – and that's exactly what they get. But the M-iClean goes even further. Equipped with the full spectrum of innovative warewashing technology, the M-iClean's intuitive operating concept ensures maximum efficiency and reliability.

Execution for: United Arab Emirates
Glasswasher
Fresh water line: Soft cold water 0-3 °Dh
3-phase current: 3N PE 400V 50Hz
Gio Module



Gio Module (plint 120 mml)
Dimensions: 600 x 820 x 600 mm



Gio Module (rear panel)
Dimensions: 600 x 700 x 690 mm



Gio Module (separately)
Dimensions: 600 x 700 x 600 mm

Technical data

Rack capacity/h (theoretical)	40 / 30 / 20 racks/h
Programme cycle	90 / 120 / 180 s
Rack dimension	500 x 500 mm
Entry height	315 mm
Dimensions (W x Hmin x D)	600 x 700 x 600 mm
Electrical feeding cable	3-phase current 3N PE 400V 50Hz* Total connected load: 6.9 kW max. rated current: 15.7 A
Local fuse protection	16 A
Machine protection class	IP X5
Equipment	Control system MIKE CPU4 Bluetooth interface for wireless communication Leakage detector Boiler safety device Automatic self-cleaning when tank is drained Integrated reverse osmosis (with connection and discharge set)
Fresh water line	For reverse osmosis: connecting set with stop valve, Pressure regulator, filter 10 µm with activated carbon Internal: air gap 'AB' in accordance with EN 1717 with booster pump
Fresh water supply	Minimum flow pressure 100 kPa / 1.0 bar in front of solenoid valve Maximum pressure 500 kPa / 5.0 bar in front of pressure reducer Max. supply water temperature 35 °C
Flow rate	total 4.3 l/min (at 15 °C inlet temperature and a flow pressure of 200 kPa / 2 bar) Permeate 2.0 l/min Concentrate 2.3 l/min

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Fresh water thresholds	Temperature cold water min. 1 °C to max. 35 °C electrical conductibility < 1000 µS/cm Total hardness max. 28 dH / 5 mmol/l CaCO3 Free of particles > 10 µm Iron < 0.10 mg/l Manganese < 0.04 mg/l Chlorine < 0.10 mg/l (free chlorine) Potassium permanganate < 10 mg/l Silicic acid < 10 mg/l
Final rinse water quantity	2.4 liters/cycle, variable
Boiler	Contents: 7.9 l Heater: 6.00 kW Temperature: 65 °C Tank / boiler locked
Wash tank	Filling: 11.0 l Heater: 2.00 kW Temperature: 60 °C
Wash pump, with frequency converter	Performance: 0.50 kW
Dosing of rinse aid	Hose pump (24 V) with time control and suction lance
Detergent dosage	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 cycles/h total: 2.1 kW perceptible: 1.4 kW latent: 0.7 kW
Ventilation flow rate	540 m³/h
Steam emission	1.0 kg/h
Emission sound pressure level at the workplace (LpA)	60 dB
Net / gross weight	86.8 kg / 98.6 kg (standard packaging)
Packaging dimensions (W x H x D)	700 x 1050 x 700 mm (standard packaging)

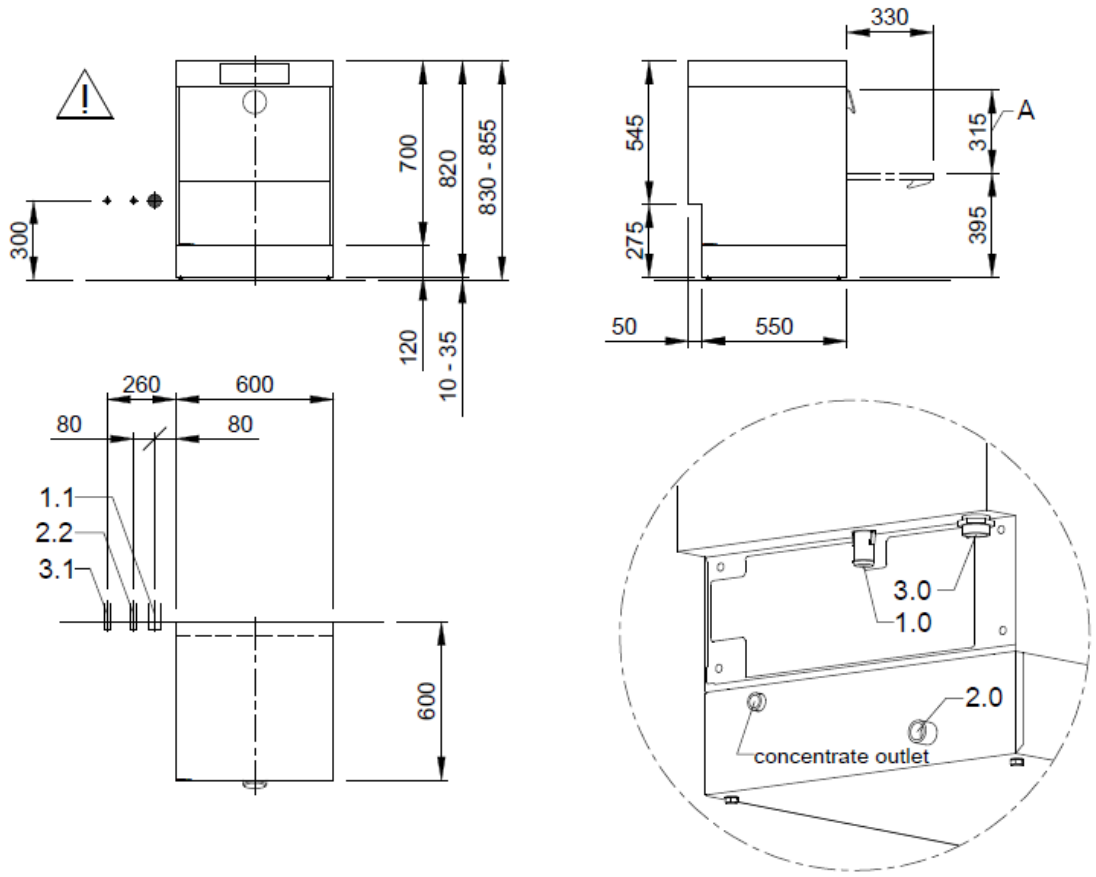
*Note:
Electrical equipment suitable for supply voltage:
3N PE 400 V 50 HZ (3N PE 380-415 V 50 Hz)
1N PE 230 V 50 HZ (1N PE 220-240 V 50 Hz)

Gio Module (plint 120 mml)
Dimensions: 600 x 820 x 600 mm

1.0	machine connection: drain connection hose, DN 22 hose fitted as odour trap in interior of machine
1.1	drain (max. 300 mm above finished floor level), DN 50
2.0	Machine connection: fresh water supply, G 3/4"
2.2	Soft cold water 10°C, DN 15, G 3/4 a max. 0,54 mmol/l $CaCO_3$ (max. 3°dH) electrical conductibility < 1000 µS/cm Minimum flow pressure: 100 kPa / 1.0 bar in front of solenoid valve Maximum pressure: 500 kPa / 5.0 bar in front of pressure reducer stopcock and fine screen ≤ 25 µm
3.0	Machine connection: electrical connection cable 5G 2,5mm²
3.1	electricity supply to the machine: 3N PE 400V ~ 50Hz nominal current / - capacity: 15.7 A / 6.9 kW Fuse protection: 16 A ⏚ Voltage equalising cable The master switch must be provided on site
	Note: Electrical equipment suitable for supply voltage: 3N PE 380-415 V 50 Hz / 1N PE 220-240 V 50 Hz
6.0	Heat load of warewash area
6.1	for 20 programme cycles/h total 2.1 kW, perceptible 1.4 kW, latent 0.7 kW
all cables, pipes etc leaving machine 1,6 m	
the position of the connection piping can also be mirror-inverted!	

Machine Equipment

(A) Entry height
Final rinse dosing unit with suction lance (blue connector)
Detergent dosing unit and suction lance
GiO MODULE (plinth, 120 mm)
⚠ Please observe the installation indications of the additional document MP_T-INFO-GIO_EN.pdf



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Revision		
Reference DISHWASHER STANDARD DRAWING / ARE TYPE: GLASSES		Type M-ICLEAN UM GIO MODULE PLINTH
Drawing-No. S00073888		Order-No.
Scale 1:25	drawn: 18.02.2020 m-iplan	checked: 18.02.2020 m-iplan

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Gio Module (rear panel)
Dimensions: 600 x 700 x 690 mm

1.0	machine connection: drain connection hose, DN 22 hose fitted as odour trap in interior of machine
1.1	drain (max. 300 mm above finished floor level), DN 50
2.0	Machine connection: fresh water supply, G 3/4"
2.2	Soft cold water 10°C, DN 15, G 3/4 a max. 0,54 mmol/l $CaCO_3$ (max. 3°dH) electrical conductibility < 1000 µS/cm Minimum flow pressure: 100 kPa / 1.0 bar in front of solenoid valve Maximum pressure: 500 kPa / 5.0 bar in front of pressure reducer stopcock and fine screen ≤ 25 µm
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	Note: Electrical equipment suitable for supply voltage: 3N PE 380-415 V 50 Hz / 1N PE 220-240 V 50 Hz
6.0	Heat load of warewash area
6.1	for 20 programme cycles/h total 2.1 kW, perceptible 1.4 kW, latent 0.7 kW

all cables, pipes etc leaving machine 1,6 m

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Machine Equipment

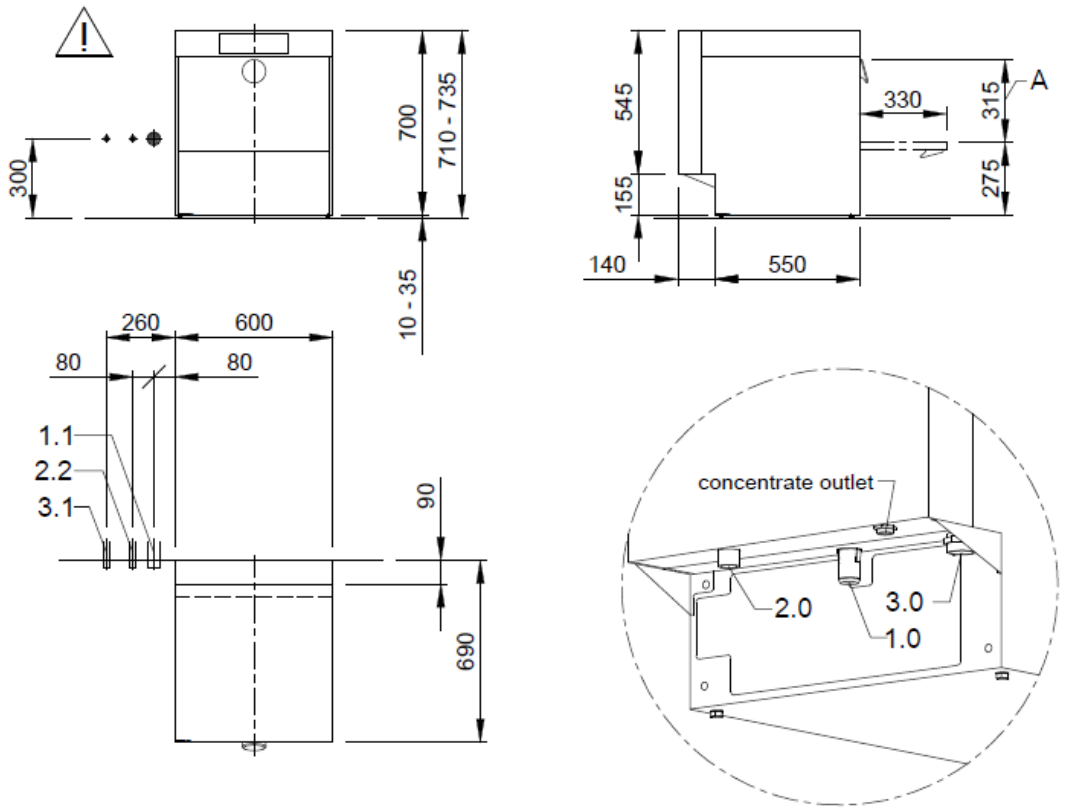
(A) Entry height

Final rinse dosing unit with suction lance (blue connector)

Detergent dosing unit and suction lance

GiO MODULE (rear panel)

⚠ Please observe the installation indications of the additional document MP_T-INFO-GIO_EN.pdf



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Revision		
Reference: DISHWASHER STANDARD DRAWING / ARE TYPE: GLASSES		Type: M-ICLEAN UM GIO MODULE REAR PANEL
Drawing-No.: S00079101		Order-No.
Scale: 1:25	drawn: 15.04.2020 m-iplan	checked: 15.04.2020 m-iplan

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Gio Module (separately)
Dimensions: 600 x 700 x 600 mm

1.0	machine connection: drain connection hose, DN 22 hose fitted as odour trap in interior of machine
1.1	drain (max. 300 mm above finished floor level), DN 50
2.0	Machine connection: fresh water supply, G 3/4"
2.2	Soft cold water 10°C, DN 15, G 3/4 a max. 0,54 mmol/l $CaCO_3$ (max. 3°dH) electrical conductibility < 1000 µS/cm Minimum flow pressure: 100 kPa / 1.0 bar in front of solenoid valve Maximum pressure: 500 kPa / 5.0 bar in front of pressure reducer stopcock and fine screen ≤ 25 µm
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	Note: Electrical equipment suitable for supply voltage: 3N PE 380-415 V 50 Hz / 1N PE 220-240 V 50 Hz
6.0	Heat load of warewash area
6.1	for 20 programme cycles/h total 2.1 kW, perceptible 1.4 kW, latent 0.7 kW

all cables, pipes etc leaving machine 1,6 m

the position of the connection piping can also be mirror-inverted!

Machine Equipment

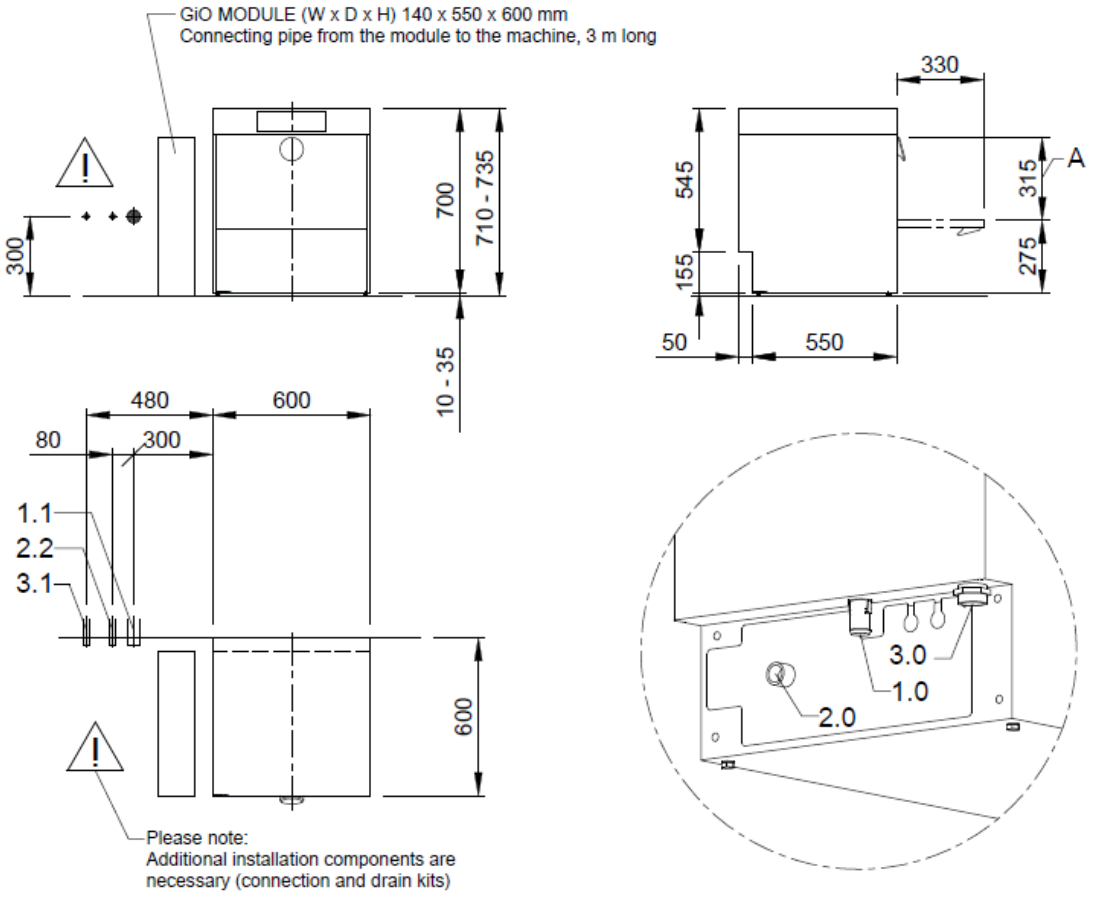
(A) Entry height

Final rinse dosing unit with suction lance (blue connector)

Detergent dosing unit and suction lance

GiO MODULE (separate)

⚠ Please observe the installation indications of the additional document MP_T-INFO-GIO_EN.pdf



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Revision		
Reference: DISHWASHER STANDARD DRAWING / ARE TYPE: GLASSES		Type: M-ICLEAN UM GIO MODULE SEPARATE
Drawing-No.: S00079102		Order-No.
Scale: 1:25	drawn: 15.04.2020 m-iplan	checked: 15.04.2020 m-iplan

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