

# Technical data sheet

## M-iClean UM+

Type: M2

Execution for: Australia

### Dishwashing machine

3-phase current: 3N PE 400V 50Hz

Fresh water line: Soft cold water 0-3 °dH

GiO-module (separate)



© MEIKO 2019

Sample illustration

## Technical data

|                                        |                                                                                                                                                                                                                                                               |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rack capacity/h (theoretical)</b>   | 40 / 30 / 15 racks/h                                                                                                                                                                                                                                          |
| <b>Programme cycle time</b>            | 90 / 120 / 240 s                                                                                                                                                                                                                                              |
| <b>Rack dimension</b>                  | 500 x 500 mm                                                                                                                                                                                                                                                  |
| <b>Entry height</b>                    | 435 mm                                                                                                                                                                                                                                                        |
| <b>Dimensions (W x Hmin x D)</b>       | 600 x 855 x 600 mm                                                                                                                                                                                                                                            |
| <b>Electrical feeding cable</b>        | 3-phase current 3N PE 400V 50Hz*<br>Total connected load: 6.9 kW<br>max. rated current: 15.7 A                                                                                                                                                                |
| <b>Local fuse protection</b>           | 16 A                                                                                                                                                                                                                                                          |
| <b>Protection class of the machine</b> | IP X5                                                                                                                                                                                                                                                         |
| <b>Equipment</b>                       | Control system MIKE CPU4<br>Bluetooth interface for wireless communication<br>Leakage detector<br>Boiler safety device<br>Automatic self-cleaning when tank is drained<br>Reverse osmosis (including 10 µm filter with activated carbon)<br>Roller base 35 mm |
| <b>Fresh water line</b>                | Air gap 'AB' in accordance with EN 1717 with booster pump                                                                                                                                                                                                     |
| <b>Fresh water supply</b>              | Minimum flow pressure 100 kPa / 1.0 bar in front of solenoid valve<br>Maximum pressure 500 kPa / 5.0 bar in front of pressure reducer<br>Max. supply water temperature 35 °C                                                                                  |
| <b>Flow rate</b>                       | total 5.4 l/min (at 15 °C inlet temperature)<br>Permeate 2.0 l/min<br>Concentrate 3.4 l/min                                                                                                                                                                   |

# Technical data sheet

|                                                             |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fresh water thresholds</b>                               | Temperature cold water min. 1 °C to max. 35 °C<br>electrical conductivity 70 - 1000 µS/cm<br>Total hardness max. 28 dH / 5 mmol/l CaCO <sub>3</sub><br>Free of particles > 10 µm<br>Iron < 0.10 mg/l<br>Manganese < 0.04 mg/l<br>Chlorine < 0.10 mg/l (free chlorine)<br>Potassium permanganate < 10 mg/l<br>Silicic acid < 10 mg/l |
| <b>Final rinse water quantity</b>                           | 2.4 liters/cycle, variable                                                                                                                                                                                                                                                                                                          |
| <b>Boiler</b>                                               | Contents: 7.9 l<br>Heater: 6.00 kW<br>Temperature: 83 °C<br>Tank / boiler interlocked                                                                                                                                                                                                                                               |
| <b>Wash tank</b>                                            | Filling: 11.0 l<br>Heater: 2.00 kW<br>Temperature: 60 °C                                                                                                                                                                                                                                                                            |
| <b>Wash pump, with frequency converter</b>                  | Performance: 0.50 kW                                                                                                                                                                                                                                                                                                                |
| <b>Dosing of rinse aid</b>                                  | Hose pump (24 V) with time control and suction lance                                                                                                                                                                                                                                                                                |
| <b>Detergent dosage</b>                                     | Hose pump (24 V) with time control and suction lance                                                                                                                                                                                                                                                                                |
| <b>Material</b>                                             | Cladding: 1.4301<br>Wash tank: 1.4301<br>Boiler: 1.4571                                                                                                                                                                                                                                                                             |
| <b>Heat emission</b>                                        | for 20 programme cycles/h<br>total: 2.1 kW<br>perceptible: 1.4 kW<br>latent: 0.7 kW                                                                                                                                                                                                                                                 |
| <b>Ventilation flow rate</b>                                | 540 m³/h                                                                                                                                                                                                                                                                                                                            |
| <b>Steam emission</b>                                       | 1.0 kg/h                                                                                                                                                                                                                                                                                                                            |
| <b>Emission sound pressure level at the workplace (LpA)</b> | 61 dB                                                                                                                                                                                                                                                                                                                               |
| <b>Net / gross weight</b>                                   | 99.8 kg / 111.8 kg (standard packaging)                                                                                                                                                                                                                                                                                             |
| <b>Packaging dimensions (W x H x D)</b>                     | 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)