

# Technical data sheet

## TopClean M

Type: M2

Execution for: New Zealand

Chemo-thermal disinfection

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

Water connection: Cold water

GiO MODULE (plinth, 120 mm)



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Sample illustration

## Technical data

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rack capacity/h (theoretical)</b>   | 10 / 6 / 5 racks/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Programme cycle time *</b>          | 360 / 540 / 720 s (3rd programme running time with change of water)                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Rack dimension</b>                  | 500 x 500 mm to 540 x 500 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Entry height</b>                    | 420 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dimensions (W x Hmin x D)</b>       | 600 x 1340 x 600 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Electrical feeding cable</b>        | 3-phase current: 3N PE 400V 50Hz<br>nominal capacity: 12.4 kW<br>nominal current: 19.6 A                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Local fuse protection</b>           | 25 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protection class of the machine</b> | IP X5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Equipment</b>                       | MIKE 2 control<br>Infrared interface for wireless communication<br>Leakage detector<br>Soft start<br>Boiler safety device<br>Drain pump<br>Automatic self-cleaning when tank is drained<br>Back wall cladding<br>Automatic door lock<br>Compressed air connection for specially cleaned and de-oiled breathable air<br>to EN 12021, 2-5 bar<br>Integrated reverse osmosis (with connection and discharge set)<br>connecting kit 1,6 m<br>Integrated cupboard 400 mm<br>Integrated cupboard, right hinged door |
| <b>Fresh water line</b>                | For reverse osmosis: connecting set with stop valve,<br>Pressure regulator, filter 10 µm with activated carbon<br>Internal: air gap 'AA' 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                                                                                                                                                                                                                                                                                                                                                                         |

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|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flow rate</b>                                            | total 4.3 l/min (at 15 °C inlet temperature and a flow pressure of 200 kPa / 2 bar)<br>Permeate 2.0 l/min<br>Concentrate 2.3 l/min                                                                                                                                                                                            |
| <b>Fresh water thresholds for GiO MODULE</b>                | Temperature cold water min. 1 °C to max. 35 °C<br>electrical conductivity < 1000 µS/cm<br>Total hardness max. 28 / 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>                           | 4.2 liters/cycle, variable                                                                                                                                                                                                                                                                                                    |
| <b>Boiler</b>                                               | Temperature: 50 °C<br>Contents: 7.0 l                                                                                                                                                                                                                                                                                         |
| <b>Wash tank</b>                                            | Filling: 11.0 l<br>Temperature: 60 °C                                                                                                                                                                                                                                                                                         |
| <b>Dosing of rinse aid</b>                                  | Hose pump (24 V) with time control<br>and suction lance with empty level monitoring                                                                                                                                                                                                                                           |
| <b>Detergent dosage</b>                                     | Hose pump (24 V) with time control<br>and suction lance with empty level monitoring                                                                                                                                                                                                                                           |
| <b>Material</b>                                             | Cladding: 1.4301<br>Wash tank: 1.4301<br>Boiler: 1.4404                                                                                                                                                                                                                                                                       |
| <b>Heat emission</b>                                        | for 6 programme cycles/h<br>total: 0.6 kW<br>perceptible: 0.4 kW<br>latent: 0.2 kW                                                                                                                                                                                                                                            |
| <b>Ventilation flow rate</b>                                | 160 m <sup>3</sup> /h                                                                                                                                                                                                                                                                                                         |
| <b>Steam emission</b>                                       | 0.3 kg/h                                                                                                                                                                                                                                                                                                                      |
| <b>Emission sound pressure level at the workplace (LpA)</b> | 65 dB                                                                                                                                                                                                                                                                                                                         |
| <b>Net / gross weight</b>                                   | 102.5 kg / 118.5 kg (standard packaging)                                                                                                                                                                                                                                                                                      |
| <b>Packaging dimensions (W x H x D)</b>                     | 700 x 1440 x 700 mm (standard packaging)                                                                                                                                                                                                                                                                                      |