



The clean solution



TopClean M

**LOW
TEMPERATURE
SCBA AND PPE
MULTI-WASHER**

- **Auto Safe temperature control system** - Guarantees 120°F (49°C) final rinse temperature, regardless of incoming water temperature
- **MIKE 2 electronic control system** - advanced micro-computer technology for service diagnostics and end-user machine settings. Includes one-touch operation, one-touch selection of three different cycle lengths, automatic temperature monitoring with digital display, and advanced service diagnostics
- **Active Plus filtration system** - Double filtration of wash water removes soil, improves washing efficiency and saves detergent while easing cleaning chores.
- **Soft Start wash pump** - Protects items from chipping or breaking
- **Aqua-Stop** - Automatically stops machine operation and turns off the external fill valve if an internal leak is detected
- **Built-in booster heater with power rinse pump** - Guarantees constant final rinse pressure and temperature for consistent, outstanding results
- **Internal reverse osmosis system** - incoming water is forced through a semi-permeable membrane to remove dissolved solids including salts and soil, producing outstandingly clean final rinse water and final rinse of the items washed.

Standard Features:

- Capacity **25** racks per hour
- Rinse water consumption **0.66** gallons (2.5 liters) per rack
- Double-wall construction keeps heat inside the machine, reducing energy consumption and heat loss into the environment
- Variable programmed time cycles - 135, 260 and 620 seconds
- Fully automatic - automatic fill and automatic chemical dispensing
- Built-in liquid detergent and rinse aid pumps
- Pumped drain for both floor and wall drain applications
- Machine shutdown activates an automatic rinse of the wash chamber to ease cleaning
- Stainless steel non-clogging wash and rinse arms
- Sloped ceiling is safer for the user and prevents dripping of soiled water onto sanitized ware
- Front mounted controls with digital temperature displays
- 3/4 Hp (0.56 kW) wash pump
- 304 and 316L stainless steel construction for corrosion resistance
- Type A air gap system eliminates need for vacuum breaker
- Mechanical door interlock during operation to ensure full cycle operation and operator protection
- SCBA breathing air pressurization port

Options:

- Inline slides - 1/2" (12.7mm) H. Replaces standard legs; overall machine height 38-1/8" (968mm)
- NEMA cord kit (**three phase only** - installed by others - incl. cord, plug, receptacle and plate). 208-230/60/3 = NEMA 15-50P
- Baskets and inserts for Masks, Backpacks, Bottles and other PPE
- Stainless steel chemical storage (SOCO) cabinet

Technical Specifications:

Optimum Capacity 25 racks/hour / 100 masks/hour / 25 SCBA/hour

Optimum Cycle Time (Seconds):

Wash Cycle	120
Dwell / Drain Time	9
Rinse Cycle	6
Total Cycle	135

Water Requirements:

Incoming Water Temperature.....	50-80°F (70°F [21°C] optimal)
Recommended Water Hardness	1-20 grains per U.S. gal.
Rinse Consumption per Rack	0.66 gals. (2.50 liters)
Concentrate Consumption per Rack	1.07 gals. (4.05 liters)
Water Consumption per Hour (max.)	43.25 gals. (164.3 liters)
Flow Pressure	14.5-72.5 psi (1.0-5.0 bars)
Incoming Waterline	3/4" garden hose
Machine drain line	7/8" ID, 1-1/8" OD flexible hose
RO concentrate drain line	1/4" ID, 3/8" OD flexible hose
Common drain adapter	1-1/2" (40mm) PVC
Maximum drain flow rate	15 gals. (56.8 liters) per minute

Required Operating Temperatures:

Wash (Minimum)	120°F (49°C)
Rinse (Minimum)	120°F (49°C)

Tank Capacities:

Wash Tank.....	3.48 gals. (13.17 liters)
Booster Heater	1.71 gals. (6.47 liters)

Electrical Requirements:

Wash Tank Heat	3.27 kW @ 208V, 4.0 kW @ 230V
Booster Heater	3.53 kW @ 208V, 4.32 kW @ 230V
Wash Pump	3/4 HP (0.56 kW)
Drain Pump	0.12 hp (0.09 kW)
Rinse Pump	0.22 hp (0.161 kW)
R.O. Pump	0.3 hp (0.225 kW)

Electrical supply	Peak load ampacity	Min. supply circuit ampacity	Max. breaker/disconnect
208-230V/60Hz/1 Ph	40.7A @ 208V	50A	50A
	44.3A @ 230V	60A	60A
208-230V/60Hz/3Ph	33.2A @ 208V	50A	50A
	36.0A @ 230V	50A	50A

Dimensions:

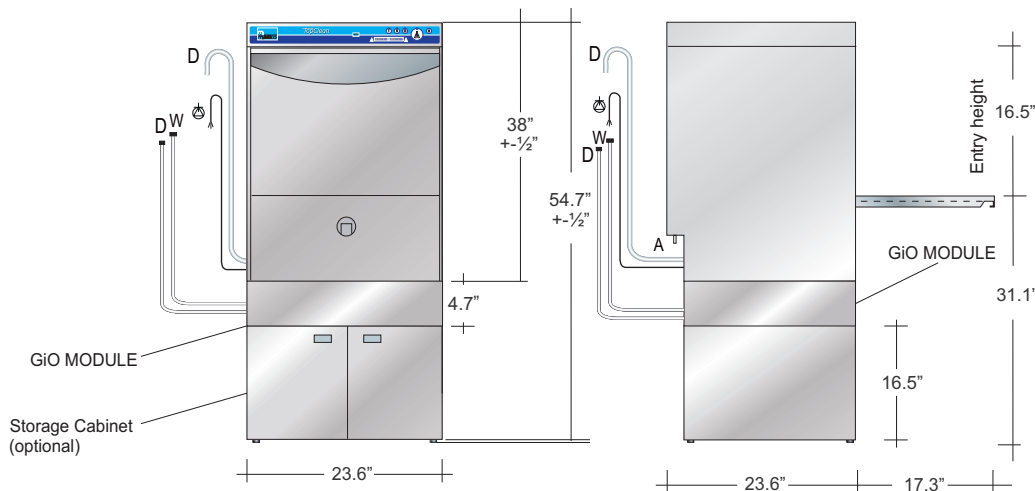
Overall (W x D x H).....	23-5/8" x 23-5/8" x 38" (600 x 600 x 965mm)
Inside Clearance Height.....	16-9/16" (420mm)
Wall Clearance	Rear 1" (25mm) min.

Machine / Shipping Details:

Shipping Weight	332 lbs. (150.9 kg)
Shipping Size (W x D x H).....	40" x 40" x 46" (1016 x 1016 x 1149mm)

Dimensions

All dimensions from floor +/- 1/2" (13mm) due to adjustable feet.
Height is not adjustable if using optional inline roller frame.



Electrical terminal block

Strain relief provided at lower rear of machine. Terminal block is located behind rear panel. Adequate slack in the wiring should be provided to allow the machine to be moved for servicing.



Fresh water connection

3/4" female garden hose supply connection is provided. If using supplied external Y-strainer, female garden hose adapter may be removed to provide 1/2" NPT male or 3/4" NPT female connection as required. Supplied hose is 4' 7" (2616mm) in length. COLD WATER ONLY.



Drain connection

Requires indirect connection to 1-1/2" (38mm) drain pipe (wall or floor). Supplied hoses are a 4' 7" long x 7/8" diameter and should be cut to appropriate length at time of installation to allow machine to be repositioned for servicing. There is also a drain hose for the R.O. system that connects to the drain connection supplied.



Breathing Air connection

Requires connection to 1/4" barb fitting of breathing air max 5 bar (72 PSI)

“Auto Safe” Feature: The TopClean M guarantees that the 120°F (49°C) reverse osmosis final rinse temperature is achieved regardless of the incoming water temperature, by automatically extending the wash cycle (if necessary) to provide additional heating time. Listed rack capacity assumes use of recommended 70°F (29°C) water supply. Exact rack capacity is dependent upon the incoming water temperature and on the electrical supply voltage.

Specification

TopClean M Item Number _____

Unit will be an cETL-listed MEIKO TopClean M low temperature SCBA and PPE multi-washer.

Operating voltage will be:

_____ 208-230V / 60Hz / 1Ph _____ 208-230V / 60Hz / 3Ph

Unit will have three user-selectable cycles (of 140, 260 and 620 seconds) and will utilize 0.66 gallons (2.5 liters) of fresh rinse water per cycle plus 1.07 gallons of R.O. concentrate water.

Unit will feature front-mounted microcomputer controls including one-touch selection of cycle length and digital wash and rinse temperature displays..

Unit will have integral two-stage filter system to automatically filter and remove soil from the wash tank during the washing process.

Final rinse water will be delivered via an integrated final rinse pump to ensure consistent results and water consumption, regardless of variations in water supply pressure.

Unit will automatically extend wash cycle if required to permit final rinse water to heat to a minimum temperature 120°F (49°C), regardless of incoming water temperature.

Unit will incorporate a soft start feature, building wash pressure slowly, to reduce risk of chipped or broken items.

Unit will incorporate features to stop operation and turn off fill valve if an internal leak is detected.

Unit will include built-in liquid detergent and rinse aid pumps.

Unit will include a detergent sensor with a message indicating if the detergent is empty.

Unit will feature double-wall, insulated stainless steel construction on all exterior panels to retain heat inside the machine, conserve energy and provide a cool-to-the-touch exterior.

Unit will include GiO Integrated R.O. system.

Note: All specifications are subject to change without notice based on MEIKO's dedicated product improvement program.

This washer is compliant with the Reduction of Lead in Drinking Water Act (2011) amendment to the Safe Drinking Water Act (

SDWA).

