

HYBRID 7 FOAMATIC MAINSTATION

Automatic hygiene station for cleaning and disinfection

The future of the Food and Beverage industry is intelligent factories that ensure the highest efficiency, flexibility, quality, and sustainability. Ecolab's automated Hybrid 7 Foamatic Mainstation support realization of those goals.

Hybrid 7 Foamatic Mainstation is the best in class, fully featured automated cleaning station with components specifically optimized for the Food and Beverage industry. It's also very easy to service with lots of simplified smart features. Simplification is also expressed by Modularity where not only the same components but also models are used across the entire product portfolio.

KEY PRODUCT BENEFITS

- SAFE automatic flush of injectors
- Meets ALL requirements: rinsing, foaming, disinfection
- IMPROVED foam quality and stability
- Compact hygienic DESIGN
- Integrated frequency controlled PUMP
- PLC with HMI touch panel for flexible and intuitive programming
- Optional HYBRID 7 foam block for manual cleaning
- INTERCHANGEABLE injectors: 150 – 300 – 450 l/min foam



An automatic cleaning station for ALL requirements

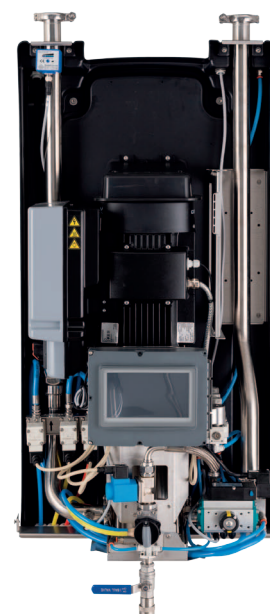
With the introduction of the **HYBRID 7 FOAMATIC MAINSTATION**, Ecolab sets new standards for safety, sustainability and effectiveness in automatic foam cleaning. The **HYBRID 7 FOAMATIC MAINSTATION** is a complete hygiene station for automatic rinsing, foam cleaning and spray- or foam disinfection of exterior surfaces. The station is equipped with a frequency controlled pump that generates water pressures up to 15 bar. Along with the Ecolab sophisticated Topactive, Topaz and Topax product range this automated system ensures an optimized repeatable and validated cleaning.

CUSTOMER BENEFIT	FEATURES
More Safety for process and application	► Unique injector pulse flush function that flushes the injector after detergent use ► Chemical concentration is preset and adjustable by qualified personnel only ► Dry run protection to protect cavitation ► Pipe protect function to reduce water hammering ► Adjustable rinse pressure for reduction of water usage, aerosol formation and protect sensitive parts ► Stainless steel design with less welding to meet sanitary requirements
Better foam reduces cleaning time	► Improved Corona™ foam technology system for the new standard in foam generation ► Outstanding cleaning performance in combination with Ecolab's Topactive, Topaz and Topax product range
Serviceability minimizes maintenance costs	► Compact stainless steel design and less welding ► One block that accommodates all functions ► Easy access and disassembly of all service parts ► Guided service that explains errors and actions to solve it
Flexible configuration for specific needs at the best cost	► Two or three detergents version ► As a standalone unit with controller or without controller as part of a bigger setup with central controlling and overview ► Optional Hybrid foam-block for manual rinse, foam cleaning and disinfection ► Three different injector sizes incorporated to meet the optimum amount of foam
Easy setup gives you full control	► Easy setup and intuitive wash step and - program creation through HMI touch panel and/or PC Tool ► Flexible in- and output configuration ► In- and Output extension by means of up to two slave units

Technical specification:

Model:	MA2	MA2M	MA2i	MA2iM	MA3	MA3M	MA3i	MA3iM
EBS no.:	10059595	10059594	10059599	10059603	10059593	10059592	10059598	10059602
Controller:	–	–	●	●	–	–	●	●
Manual Hybrid block:	–	●	–	●	–	●	–	●
Number of detergents:	2	2	2	2	3	3	3	3

Water inlet/outlet connection:	clamp ferrule DIN32676 ø 50.5
Water supply:	min. 240 l/minute, min./max. 2-8 bar, max. 70 °C
Pump pressure:	max. 15 bar. (12 bar. + inlet pressure)
Water consumption:	rinsing 0-240 l/minute, foaming and disinfection 10-32 l/minute
Compressed air Min./max. inlet pressure:	5 - 10 bar. / 200 - 450 nl/minute
Compressed air connection:	1/4"
Electric supply/Power consumption:	380-528 VAC 50/60Hz 5.5 kW / 20 A
Dimensions/weight:	(HxWxD) 1260x560x400 mm / 96 kg



Ecolab Global Headquarters • 1 Ecolab Place • St. Paul, MN 55102-2233 • USA • Tel: +1-800-352-5326
Ecolab Deutschland GmbH • Ecolab-Allee 1 • D-40789 Monheim am Rhein • Germany • Tel. +49 2173 599 1900
Ecolab Engineering GmbH • Postfach 1164 • 83309 Siegsdorf • Germany • Tel. +49 86 6261 0