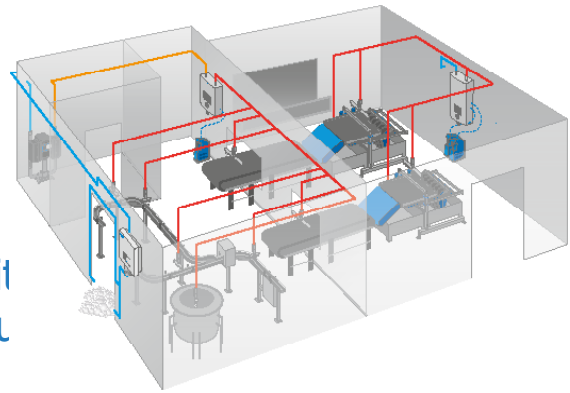


Hybrid Foamatic Mainstation MA/MAPD

Complete automatic PLC controlled unit
for cleaning in the Food & Beverage indu



Ecolab Hybrid Foamatic Mainstation PD is a complete unit for automatic cleaning with up to three different products, giving maximum flexibility of product choice.

The unit has a frequency controlled pump, that guarantee an even water flow.

Depending on the model, the PLC can control 9 or 10 external valves. Slave units are available.

The unit is also available without integrated PLC for connection to external PLC.

As standard, the Hybrid Foamatic comes with a 300L injector. Other injector sizes are also available. In- and outlet of the unit is with flanges, enabling easy connection into the piping system.

The optional manual outlet is with Corona Technology.

Applications

- Filling machines
- Conveyor belts
- Freezers
- Smoking chambers

Features

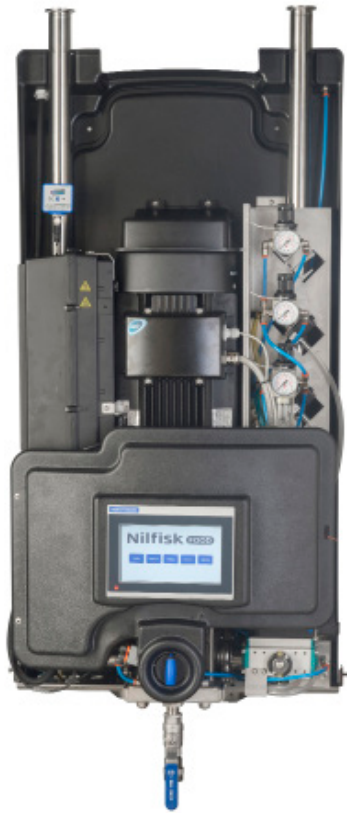
- Corona technology - Better mix of air, compound and water - longer wetting and cling on surfaces
- Quick replaceable injector system - Unique block design enable change of injector size
- Automatic cleaning ensures repetition and cleaning validation for the highest level of safety

Benefits

- Better foam
- Fits into all areas
- Maximum production time
- Optional injector sizes
- Hygienic & compact design
- Flexible configuration
- Easy to set up programs
- Serviceability
- Safe use
- Available with and without PLC controller for connection to external PLC

Hybrid Foamatic Mainstation MA/MAPD

Complete automatic unit for cleaning in the Food & Beverage industry



Technical specifications

Water	MA/MAPD
Max. outlet pressure MPa(bar)	1,5 (15)
Consumption during rinsing l/min	30
Consumption during foaming l/min	8
Consumption during rinsing l/min	200
Consumption during foaming l/min	8/16/24
Min. supply pressure MPa (bar)	0,2(2)
Max. supply pressure MPa (bar)	0,8(8)
Min. water supply l/min	200
Max. Water supply C°	70
Max. water temperature mm	38
Pipe dimension inlet/outlet Ø mm	38
Clamp connection type/size (ferrole) mm	DS-SMS/Ø50,4
Compressed air	
Min. / Max. air pressure MPa (bar)	0,5-1,0 (5-10)
Compressed air consumption MPa (bar)	200-450
Pipe dimension inlet Ø mm	8
Pre-diluted detergent	
Min. inlet pressure pre-diluted products MPa (bar)	0,8 (8)
Max. inlet pressure pre-diluted products MPa (bar)	1,2 (12)
Pre-diluted products @ 8 bar l/min	8 or 16 or 24
Max. temperature pre-diluted products C°	40
Electricity	
Supply voltage V	3/PE 400Vac ±10%
Frequency Hz	50/60Hz (48-0%..62-0%)
Motor load (kW)	5,5
Nominal current A	14,2
Fuse A	20
Internal fuse 5x20mm - 400V A	1 slow blow
L1, L2, L3, PE mm2	2,5
General	
Sound level ISO 11202 dB	Below 70
Dimensions HxWxD mm	1260x560x400
Weight kg	96

Standard models

Model	Article no.
Automatic Mainstation MA2C	110004301
Automatic Mainstation MA2	110004302
Automatic Mainstation MA3C	110004303
Automatic Mainstation MA3	110004304
Automatic Mainstation MA2CM	110004305
Automatic Mainstation MA2M	110004306
Automatic Mainstation MA3CM	110004307
Automatic Mainstation MA3M	110004308

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Video



Troubleshooting

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