

MANUAL MAIN STATION MS EVO



The MS Evo main station is a stand-alone cleaning system that functions as both a supply station and a workstation.

The main station has up to three chemical inlets for concentrated and/or prediluted chemicals and a built-in satellite that allows one user to rinse, foam, and disinfect. An integrated, frequency-controlled pump delivers boosted water to the integrated as well as external workstations.

Additionally, it has a pressure transmitter that ensures a consistent outlet pressure of 20 bar (at a 4 bar inlet pressure).

The main station is available in the following versions:

- MS5-20 Evo supplying up to 5 workstations at 20 bar
- MS10-20 Evo supplying up to 10 workstations at 20 bar

The MS Evo main stations are wall-mounted and protected by a stainless-steel cabinet. The design is modular, and the components are optimised for easy servicing.

Several configuration options make the MS Evo applicable in decentralised, central and hybrid chemical supply setups.

It performs rinsing, foam application, and disinfection, depending on the chosen variant.

Available with BSP and NPT threads.

HIGHLIGHTS

- 1 Up to three chemical inlets for concentrated and prediluted chemicals with separate injectors for each - no risk of mix
- 2 SMART pump technology
- 3 Service report with Grundfos GO and dongle or Bluetooth
- 4 Bleed valve for air release in pump



- ✓ Boosts water up to 20 bar
- ✓ Pressure setpoint via integrated pressure transmitter
- ✓ Frequency-controlled pump with soft start and stop
- ✓ Energy-saving Grundfos IE5 pump motor
- ✓ Failure reset buttons on pump
- ✓ Optional pressure switch for quick startup
- ✓ Integrated dry-run protection
- ✓ Combined non-return valve and flow switch
- ✓ Hygienic design and easy to service
- ✓ Produced in high-quality materials with excellent chemical resistance
- ✓ Stainless steel cabinet
- ✓ Manufactured under ISO 9001-certified quality management system

TECHNICAL SPECIFICATIONS

VARIANT	MS5-20 EVO	MS10-20 EVO
Number of users	Up to 5	Up to 10
Pump type	CRNE 5-14	CRNE 10-12
Energy class	IE5	IE5
Motor power	6 kW	11 kW
Frequency drive	Integrated	Integrated
IP-class	IP54	IP54
INSTALLATION		
Ambient temperature	3-40°C	3-40°C
FOAM		
Flow	150 litres/min	150 litres/min
Concentration*	0.2-6%	0.2-6%
Pressure, prediluted	6-12 bar	6-12 bar
DISINFECTION		
Flow	7 litres/min	7 litres/min
Concentration*	0.2-6%	0.2-6%
Pressure, prediluted	6-12 bar	6-12 bar
NOZZLES		
Standard rinse	BR15/30	BR15/30
Standard foam	BR50/200	BR50/200
Standard disinfection	KS60/30	KS60/30
DIMENSIONS		
Width	677 mm	677 mm
Height	1432 mm	1432 mm
Depth	470 mm	470 mm
Weight	170 kg	210 kg
ELECTRICAL CONNECTION		
Voltage and frequency	3x380-500V/50-60 Hz	3x380-500V/50-60 Hz
Current	11.5-9 A	20.6-16 A
WATER SUPPLY		
Connection	2" BSP	2" BSP
Min. flow	12 m ³ /h	24 m ³ /h
Temperature	3-70°C	3-70°C
Inlet pressure	1.5-10 bar	1.5-10 bar
Filtration rating	≤ 800 μ	≤ 800 μ
AIR SUPPLY		
Connection	ø10	ø10
Pressure range	5-10 bar	5-10 bar
Min. flow	150 litres/min	150 litres/min
Compressed air quality	DIN ISO 8573-1, class 4	DIN ISO 8573-1, class 4
WATER OUTLET		
Setpoint, standard	20 bar	20 bar
Setpoint range	0-20 bar	0-20 bar
Maximum flow at 20 bar**	150 litres/min	300 litres/min
Connection	2" BSP	2" BSP
Connection - manual outlet	SC Coupling	SC Coupling
Min. rinse capacity - manual outlet	30 litres/min	30 litres/min

* Depending on product, temperature, viscosity, density and conditions for pressure. ** Incl. a 4 bar inlet pressure
System Cleaners reserves the right to make alterations to the technical specs without prior notice.