MMS – CONTROLLER



MMS – Mini Multi-System Dosing Solution

- ✔ **The compact multi-washing dosing system for precision dosing and maximum efficiency**
- ✔ Applicable in industrial washing
- ✔ The application fields are exemplary and the system could be adapted for serving various industrial needs

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MMS Controller	FEATURES	VALUE / Additional Information
SIZE	Dimensions	22/20/16 cm (H/W/D) + each pump 15/9/16(H/W/D)
	Weight	1,900 kg. +0,75 kg. each pump
General purpose	Laundry	Up to 20kg(1washer) or up to 30kg total
	Maximum number of products	8
	Maximum number of washers	2
Power supply	Voltage	100-240 V / 50-60Hz
Water supply	Pressure (in dynamic range)	Minimum: 1 bar / Maximum: 2 bars
	Inlet	1/2 female
Panel (optional)	Material	PP
	Size	22/20/16 cm (H/W/D) + 15/9/16(H/W/D) each pump
Pumps	Number	Up to 8
	Flow rate (with water)	300ml or 1056ml peristaltic pumps
Water valve	Piloting valve voltage	24V DCw
	Body	Stainless steel
	Closure disk	FKM
Distribution valve	Number	1 electric valve
	Voltage	24V DC
	Body	PP
Flow meter	Measuring principle	Paddle wheel
	Flow range	0.5 kg (only the controler) / 1.1lbs (only the controler)
	Nozzle	D=3.0 mm integrated
	Viscosity	0.4 - 20 mPas
Fittings	Fittings material	PVDF
	Fittings connection to hose	3/8 inches (10 mm internal hose diameter)
Calibration	Keyboard calibration	Conducted through an external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted through the CM2W platform, values will be reported to the CM2W server instantly. Can be done from a distance.
Alarm	External buzzer Alarm with a signal lamp	Alarm with a signal lamp
	Voltage	10-30V DC
Program selector	Display	16 digits LED program selector for each washer
Programming	Reach	Remote via WEB based platform
	Visibility	Through any device with internet access
	Users	Unlimited number of users
	Input signals	6 inputs (galvanically isolated)
Formulas	Number	Unlimited
	Units used	g/kg/liters
Statistics	Consumption	Provides full details on chemical consumption
	Cost of chemicals	Cost of chemical report by different products and different periods
	Events	Full events history
	Programs	Detailed program visualization including steps, duration and temperature
	Alerts and Notifications	Real time alerts and preventive notifications

MMS Application Fields

PATENTED TECHNOLOGY



- **Up to 2 wash extractors**
- **Up to 8 products**
- Integrated capability to work with up to 3 signals per Wash Extractor
- Integrated RF capability for getting data from sensors



About MMS

Smart remote real-time dosing systems to control OPL. The system can manage to operate up to 8 chemicals and up to 2 washer extractors. The flow meter technology assures the precise dosing and proof of delivery. The configuration is applicable for washers with size up to 20 kg. All the processes are controlled and monitored through a cloud-based software platform accessible through any device with internet access.



Industrial washing

Especially configured for reliable and precision chemical dosing in commercial laundries for achieving highest efficiency in the washing process.



Benefits

- Full visibility and control of the processes.
- 24/7 data of the consumption and costs.
- Remote programming and monitoring.
- Precise dosing with proof of delivery.
- Simple maintenance.
- User friendly software. Software installation is not required.
- No need for specially trained staff
- Fast reaction time in case of problems.
- Adaptive dosing solution.

MMS Controller	FEATURES	VALUE / Additional Information
Monitoring	24/7, Real time	
Radio Frequency Kit	RF communication chip	Connects the controller to the level probes, pressure referent sensor and temperature sensor. Product code: RFMO or RFMOE / one per device
	RF level probes - 2 or 3 (depending on the pumps/products configuration)	With a suction lance with Ø40 diameter at height 48 cm and output for one product they allow the level monitoring, adaptive calibration and alarming when out of detergent. Eligible for 20-liter canisters. Product code: WLPS1H48F40
	Temperature sensor	Used to measure the temperature in the wash extractor in real time and all the data is displayed with a diagram. Product code: RFTPIREX or RFTPIRNA