CMWDS – Centralized Multi-Washing Dosing System

✓ **The multi-system for precision dosing and maximum efficiency**

✓ Applicable in industrial washing, agriculture & farming, ozone laundry systems

✓ The application fields are exemplary and the system could be adapted for serving various industrial needs

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CMWDS Controller	FEATURES	VALUE / Additional Information
LAUNDRY MODE (OPL)	Maximum Capacity	up to 5 wash extractor (capacity of the wash extractor depends on the pumps)
BASIC TECHNICAL INFORMATION	Dimensions	210 mm (L) 210 mm (W) 33 mm (H) (only the controler)
	Weight	0.5 kg (only the controler)
	Power supply	150W; Voltage 100-240VAC 50/60 Hz (external/costomisable)
	Inputs (galvanically isolated inputs)	10 per singal module and up to 5 signal modules (total of 50 inputs)
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Maximum number of products	Up to 10
	Maximum number of flow meeters	Up to 2 or up to 11 flowmeters with extender boards
	Water valve	Up to 2 (Rinse and Flush)
	Air valve	Yes
	External control	Keyboard (OLED, 2 x 16)
	Integrated buzzer	Yes
	External buzzer (alarm with singal lamp)	up to 1 output
	Low level alarm	External (optianal) up to 10
	Measurement systems	Metric, Imperial or Imperial US
PUMPS INFORMATION	Pump operationg modes	Sequantial (pump per chemical), Parallel and Shared
	Pump type	Any type including venturi injector
	Flow rate	Depends on the pump
CALIBRATION AND PRIMING	Keyboard calibration	Conducted throught the external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted throught CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
DOSING METHODS	Fixed	Dosage conducted by specific time period
	Single Flow sensor	Dosage is conducted through a flow meeter (adaptive through time)
	Dual Flow sensor	One flow meter measure water and the other water + chemical
OPERATION/Working Mode & PROGRAMMING	Valve Check	Automatic valve self test can be set every hour or by user request at any time
	Autoformula select mode	Supports combination of four signals or different time durations and both
	Ozone integration	Optional (external, comes in a specail metal box with ozone genarator)
	Inputs signal logs	Can monitor inputs and errors remotely
	On hold Mode	Can pause wash extractor program while waiting for chemicals
	Copy Wizards	Can copy all settings and calibration settings between devices
	Wireless Infrastructure	Possibility to use wireless singal modules and sensors
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.

PATENTED TECHNOLOGY

Industrial washing

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

Ozone laundry systems

Ozone generator integration to the dosing system for environmentally friendly cost-effective ozone washes that reduce hot water consumption.

Industrial agriculture & farming

CMWDS is used in dosing and irrigation systems to control the water flow in pipes and periods of irrigation for lower production costs and greater environmental sustainability.