CM2W
CONNECT MACHINES TO WEB

MFP Series

Maintenance-Free Performance



GOGO NG
for Proportional Dosing

New Generation GOGO

Product Overview

The **GOGO Multi-Purpose Dosing System** is an intelligent solution for precise proportional dispensing and mixing of solutions, combining up to 3 products with water, with minimal maintenance requirements.

All dosing operations are fully monitored and controlled through a **cloud-based platform**, giving operators real-time insights and remote access from any internet-enabled device.

The system features a built-in dosing controller with a **GPRS or Wi-Fi module** for cloud connectivity.

A **flow meter technology** and KNF **motor-driven PTFE membrane pumps** guarantee accurate dosing and proof of delivery.

Key Benefits

- Real-time monitoring and control via the CM2W IoT platform
- Clear visualization, trends, and notifications
- Reliable cloud connectivity via 4G or Wi-Fi
- High dosing accuracy and proof of delivery
- Low-maintenance and reliable performance
- Remote calibration and programming

KNF Motor-Driven Diaphragm Pumps

The GOGO Dosing System for Proportional Dosing is equipped with **3 KNF motor-driven diaphragm pumps**, delivering:

- Exceptional dosing accuracy for consistent results
- Great adjustability of flow rate for process control
- Significantly reduced maintenance vs. peristaltic systems
- Fewer on-site visits and inspections required
- Chemical-resistant materials for aggressive products
- Less frequent servicing, reducing labor and travel costs
- Minimized downtime and lower operational costs

KNF Diaphragm Liquid Pump FF20 KT



Technical Specifications

Hardware & Connectivity

	Parameter	Description
Physical specifications	**Dimensions**	48 (H) × 29 (W) × 8 (D) cm – with flush manifold 27 (H) × 29 (W) × 8 (D) cm – without flush manifold
	Weight	1.70 kg
	Mounting	Wall
	Power supply	25 W; 100- 240 VAC, 50/60 Hz (integrated)
Connectivity	**Internet connectivity**	Data module slot (supports 2G/3G/4G or Wi-Fi modules)
	RS485 serial port	1 port
Operational capacity	**Products**	3 products
	Pumps	3 pumps (24V DC with PWM speed control)
	Signal inputs (galvanically isolated)	3 signal inputs (voltage ranges: [12–48] V, [48–230] V)
	Flow meters	4 low-flow PTFE flow meters (3 for product, 1 for water)
	Low-level sensor	Max. 3 suction lances with level switches (empty/full)
	Wireless level sensor	Max. 3 suction lances with wireless level sensors

System Components (1/2)

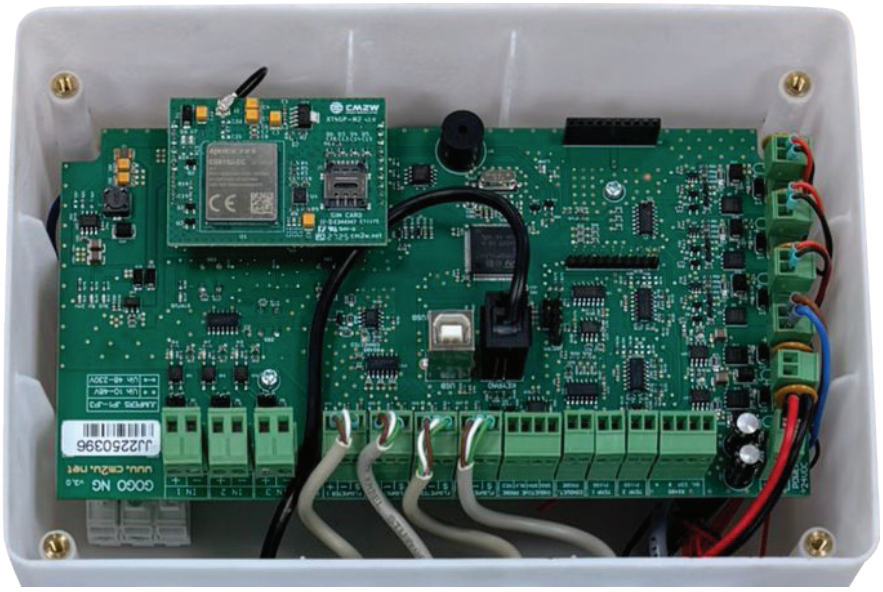
	Parameter	Description
Pumps	**Type**	KNF Diaphram liquid pump FF20
	Flow rate (max.)	210 ml/min
	Pressure (max.)	3 bar (rel.)
	Suction height (max.)	2.5 m H_2O
	Valve material	FFKM
	Diaphragm material	PTFE
	Pump head material	PP
	Motor type	Brushless DC
	Permissible ambient air	-5 to 60 °C
	Permissible liquid temperature	5 to 80 °C
Flow meters (optional)	**Type**	Low-flow turbine PVDF flow meter
	Measuring principle	Paddle wheel
	Flow range	0.015 – 0.9 L/min (H_2O, 20 °C)
	Flow meter materials	PP / PVDF / FKM
	Pulse rate	Approx. 11,500 pulses per liter (H_2O at 20 °C)
	Acceptable viscosity (v)	0.5 – 20 mPas
	Operating pressure	-0.7 – 4 bar
	Burst pressure	>15 bar (at 20 °C)
	Temperature range	-10 °C to +90 °C

System Components (2/2)

	Parameter	Description
Flush manifold (optional)	**Flush material**	PP
	Max. inlets	4 inlets (3 products and 1 water)
	Tube connection	Ø 10 hoses (straight or angled type)
Tubing	**Tubes material**	FEP
	Tubes diameter	Ø 4 mm ID / Ø 6 mm ED

Intelligent Dosing & IoT Features

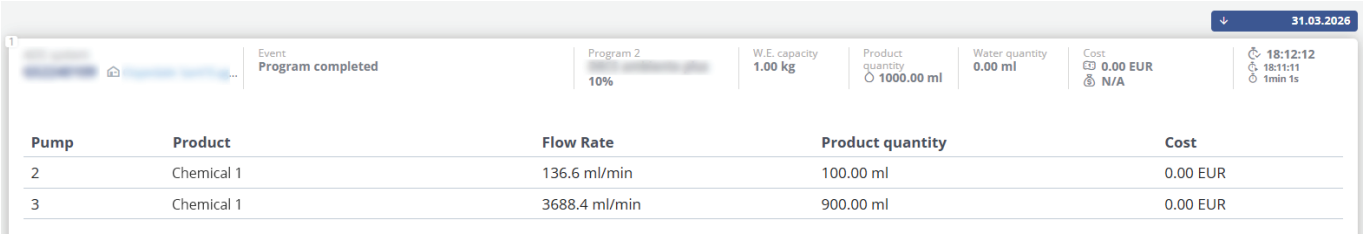
	Parameter	Description
Dosing & calibration	**Dosing methods**	• **Fixed flow rate dosing** – based on pump flow rate • **Flow sensor dosing** – based on real-time flow sensor measurements
	Weight-based dosing	Dosage is adjusted in proportion to the measured amount of water
	Temperature-based dosing	Manual (controlled via keyboard)
	Calibration	Manual (keyboard) or fully remote calibration and priming
IoT platform features	**Access**	24/7 in real time
	Reporting	• Detergent consumption • Flow rate monitoring • Proof of delivery • Cost tracking
	Error notifications	Filtered alerts with customizable levels, assigned to designated personnel for rapid response and predictive maintenance
	Input signals log	Tracking of input signal logs registered by the system
	Offline programming	Device programming in offline environments
	Copy wizard	Duplication of settings and calibration data across devices



Monitoring via the CM2W IoT Platform

Proof of delivery

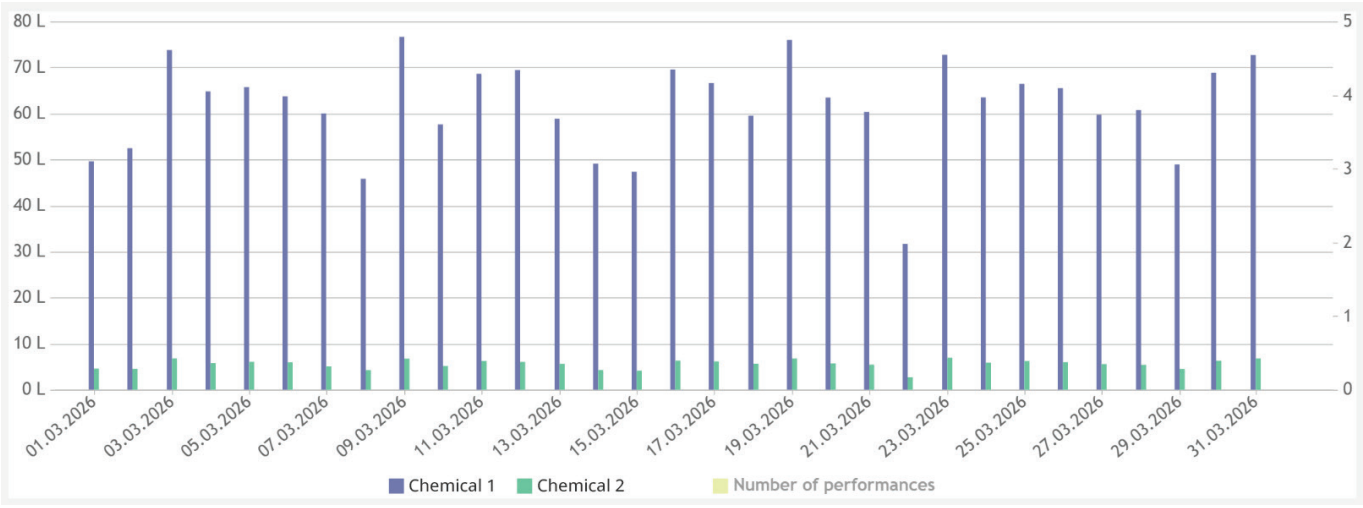
Detailed table view of program execution data, incl. dosing volumes, product costs, cycle duration, temperature and more.



Pump	Product	Flow Rate	Product quantity	Cost
2	Chemical 1	136.6 ml/min	100.00 ml	0.00 EUR
3	Chemical 1	3688.4 ml/min	900.00 ml	0.00 EUR

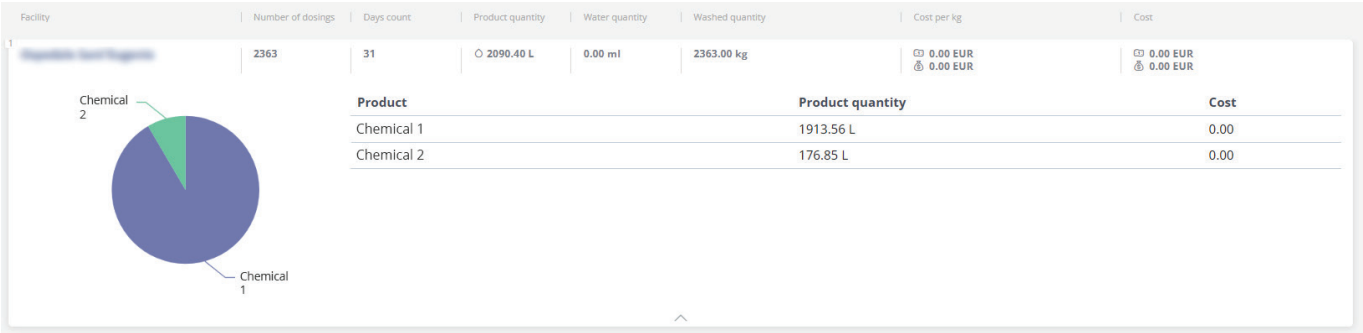
Product consumption chart

Graphical representation of product consumption over a selected time period.



Total quantity chart

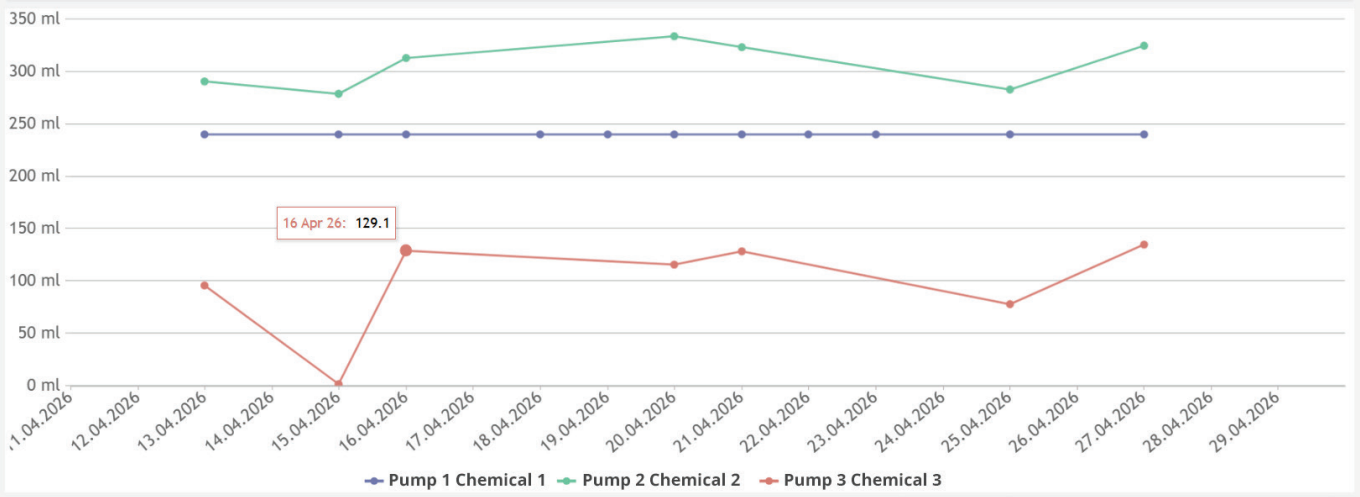
Representation of overall device performance, including product usage, water consumption, washed quantity, costs, and more.



Product	Product quantity	Cost
Chemical 1	1913.56 L	0.00
Chemical 2	176.85 L	0.00

Flow rate chart

Graphical representation of the pump flow rate over a selected time period.



Error tracking chart

Detailed table view of system-generated errors by type over a selected time period.

	Device	Flow rate errors	Valve checks	Program terminated	Program execution errors	Calibrations	Temperature errors	Low product	Misc errors	All errors
47	[redacted]	43	0	0	0	2	0	0	0	45
48	[redacted]	20	0	0	0	0	0	0	0	20
49	[redacted]	134	0	0	0	0	0	0	0	134
50	[redacted]	10	0	0	0	4	0	0	0	14
51	[redacted]	43	0	0	0	0	0	0	0	43
52	[redacted]	218	0	0	0	0	0	0	0	218

