



MULTIPLEX 2 PRO

INDUSTRIAL LAUNDRY DOSING SYSTEM

Description

- Centralized dosing system for up to 12 washing machines
- Modular and scalable: can be paired with accessories like expansion channels or dosing distribution units to adapt to all laundry installation requirements.
- Safety focused: built-in features to protect laundry operators
- Reliability: includes rigorous leak testing, chemical compatibility checks, and continuous channel cleaning for secure, accurate dosing
- Uninterrupted Operation: minimized maintenance requirements guarantees peace of mind for laundry managers
- Integrated touch screen: configuration, settings, detailed graphics showing current washing processes, active formulas and phases for each washer along with alarm notifications
- Data management: remote access, immediate settings and configuration, real time monitoring, and operational statistics.
- Multiple configurations available, with options for electric or pneumatic pump
- Customizable to match customer's corporate identity



Technical Specifications

		Value
INTERACTION	Functions	Configure
		Real-Time View
		Reports
		Password Management
	Interface	7" Touchscreen (Local)
		Webserver (Local)
Web Portal		
ELECTRICAL PARAMETERS	Voltage / Frequency	110-240 VAC / 50-60Hz
	Power	120W

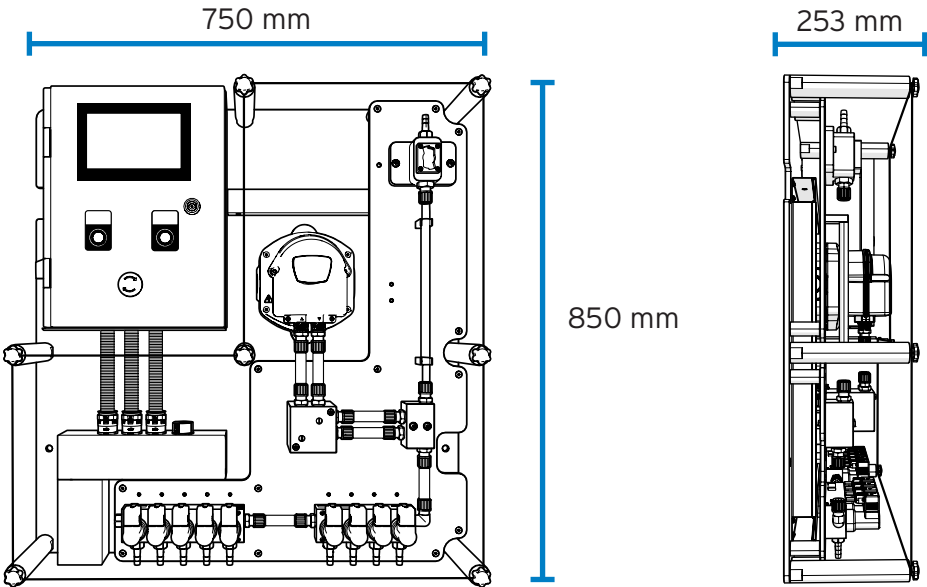
Technical Specifications

		Value
WATER	Pressure in dynamic range	1.5 bar (min) - 3 bar (max)
		Regulator recommended
	Flow rate range	min 2/l per min - max 10/l per min
	Inlet connection	Barb 10mm
	Maximum temperature	30 ° C
	Required hardness	< 8°dH
	Booster tank	Not included. Supplied on request. Recommended.
	Water Pressure Regulator	Included
PANELS	Material	PVC
PUMPS		1 pump per channel. Main channel: electric diaphragm (<i>depending on setup</i>) Pneumatic double diaphragm pump (<i>depending on setup</i>)
		1.5 L/min (Electric)
	Flow rate (with water)	2.5 L/min (Pneumatic)
		5 L/min (Pneumatic)
	Body	PVDF
	Membranes	PTFE
	Check valves	PVDF/FFKM
PRODUCT/WATER VALVES	Voltage	24VDC
	Body	PP
	Closure piston	PTFE
	O-rings	FFKM
FLOW METERS	Standard measuring principle	Paddles + Hall effect sensor
	Signal	24 VDC PNP
	Body	PP
	Paddles	PVDF
	O-rings	FKM
	Alternative	*Oval Gear not included. Supplied on request. Recommended with chemicals 180cP or higher.
DOSING	Distribution	External distributor
	Outlet barb diameter	10mm
	Outlet barb material	PVDF
	Fittings (straight / elbows)	PP for pipe 10/12
	Built-in tubes	PTFE 10x12mm
	Recommended pipes for installation	Braided (UK & US) PVC 10x16
CALIBRATION	Mode	Via distributor
	Measuring vase	Not included * recommend

Technical Specifications

		Value
FORMULAS	Number	200
	Dose units	g/kg fl.oz/cw
	Maximum number of doses per phase	6
STATISTICS	Data	Cloud synchronisation Onboard storage
		Production in load and cycles
		Consumption and product cost
	Information	OEE
		Alarms
REMOTE ACCESS	Availability	Data always available on the web portal and the possibility to make changes at any time, with instant synchronisation
	Router *Internet access	Not included in the equipment
AIR (For pneumatic models)	Working pressure	4 bar
	Air intake	10 mm
	Average consumption	140 l/m
	Air entrainment	Optional
	Condensation filter	Integrated

Diagram Electric



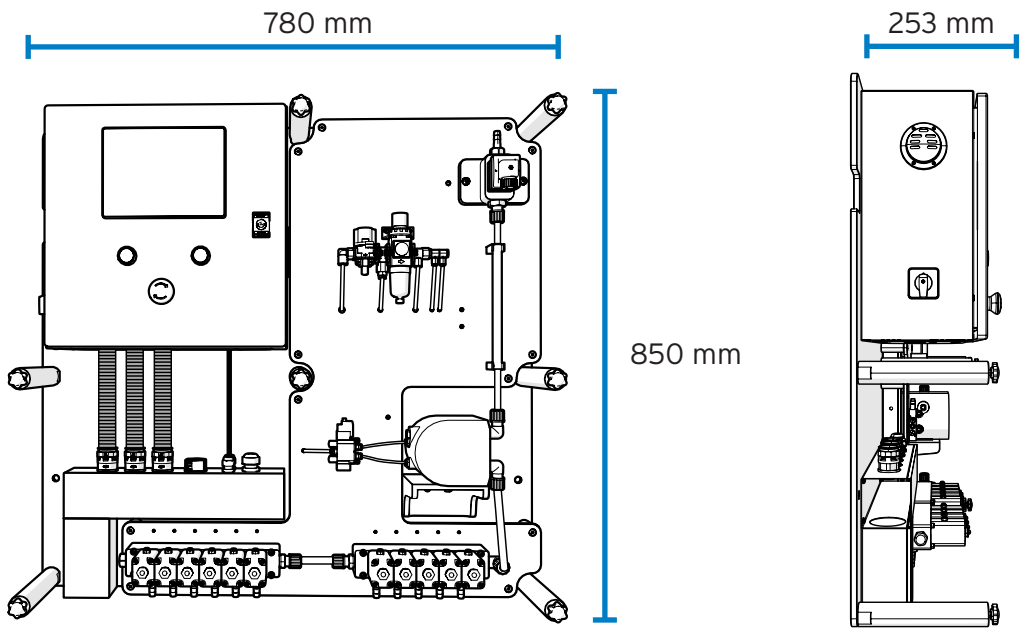
Dimensions

Width	780 mm
Height	850 mm
Depth	253 mm

Weight

Unit	34.6 kg
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Diagram Pneumatic



Dimensions

Width	780 mm
Height	850 mm
Depth	253 mm

Weight

Unit	42 kg
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Unit Variations

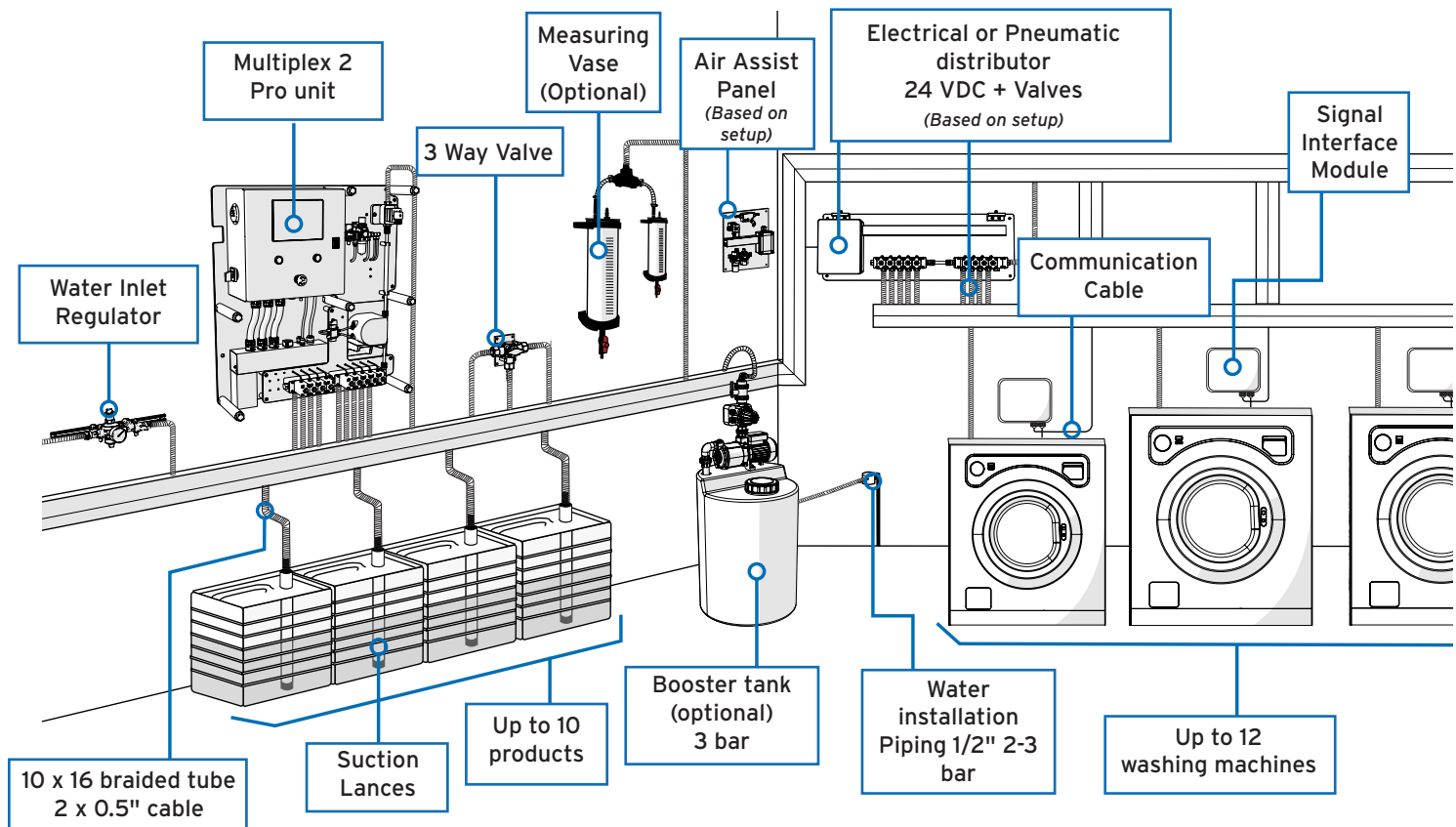
Part Code	Description	Chemicals
A500M1P08W06B1	MULTIPLEX 2 PRO -C8 1.5L PW FLOW METER	8
A500M2P04W12B5	MULTIPLEX 2 PRO -C4 5.0L PW FLOW METER	4
A500M2P06W12B5	MULTIPLEX 2 PRO -C6 5.0L PW FLOW METER	6
A500M2P08W12B5	MULTIPLEX 2 PRO -C8 5.0L PW FLOW METER	8
A500M2P10W12B5	MULTIPLEX 2 PRO -C10 5.0L PW FLOW METER	10

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Example of Recommended Setup



Measuring Vase

Part Code	Description
A500MV1I800	MEASURING VASE 800ML
A500MV2I1500	2 INLETS 1500ML

PP Suction Lance with Integrated Float Switch

Part Code	Container Size	Connectors
A500SL1SP20LPP	20 L CONTAINER	1
A500SL2SP20LPP	20 L CONTAINER	2
A500SL3SP20LPP	20 L CONTAINER	3
A500SL1SP100LPP	100 L CONTAINER	1
A500SL2SP100LPP	100 L CONTAINER	2
A500SL3SP100LPP	100 L CONTAINER	3
A500SL1SP200LPP	200 L CONTAINER	1
A500SL2SP200LPP	200 L CONTAINER	2

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PP Suction Lance with Integrated Float Switch

Part Code	Container Size	Connectors
A500SL3SP200LPP	200 L CONTAINER	3
A500SL1SP1000LPP	1000 L CONTAINER	1
A500SL2SP1000LPP	1000 L CONTAINER	2
A500SL3SP1000LPP	1000 L CONTAINER	3

Expansion Channel Electric

Part Code	Description
A500CHP01B1	MULTIPLEX - ELECTRIC EXPANSION CHANNEL C1 1,5L
A500CHP02B1	MULTIPLEX - ELECTRIC EXPANSION CHANNEL C2 1,5L
A500CHP04B1	MULTIPLEX - ELECTRIC EXPANSION CHANNEL C4 1,5L

Expansion Channel Pneumatic

Part Code	Description
A500CHP01B5	MULTIPLEX - PNEUMATIC EXPANSION CHANNEL C1 5,0L
A500CHP02B5	MULTIPLEX - PNEUMATIC EXPANSION CHANNEL C2 5,0L
A500CHP04B5	MULTIPLEX - PNEUMATIC EXPANSION CHANNEL C4 5,0L

Distributor Pneumatic

Part Code	Description
A500D2W05	MULTIPLEX PNEUMATIC DISTRIBUTOR -W5 V6
A500D2W07	MULTIPLEX PNEUMATIC DISTRIBUTOR -W7 V8
A500D2W09	MULTIPLEX PNEUMATIC DISTRIBUTOR -W9 V10
A500D2W10	MULTIPLEX PNEUMATIC DISTRIBUTOR -W10 V11
A500D2W12	MULTIPLEX PNEUMATIC DISTRIBUTOR -W12 V13

Distributor Electric

Part Code	Description
A500D1W03	MULTIPLEX ELECTRIC DISTRIBUTOR -W3 V4
A500D1W04	MULTIPLEX ELECTRIC DISTRIBUTOR -W4 V5

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Electric Distributor

Part Code	Description
A500D1W05	MULTIPLEX ELECTRIC DISTRIBUTOR -W5 V6
A500D1W06	MULTIPLEX ELECTRIC DISTRIBUTOR -W6 V7
A500D1W07	MULTIPLEX ELECTRIC DISTRIBUTOR -W7 V8
A500D1W08	MULTIPLEX ELECTRIC DISTRIBUTOR -W8 V9
A500D1W10	MULTIPLEX ELECTRIC DISTRIBUTOR -W10 V11

Booster Tank

Part Code	Description
A500B130L0.5CV	MULTIPLEX BOOSTER TANK

Signal Machine Interface

Part Code	Description
A500WCI909	MACHINE SIGNAL INTERFACE

Water Inlet Regulator Set

Part Code	Description
A500WR20	WATER INLET REGULATOR SET - 2 OUTPUTS