



MULTIPLEX 2

INDUSTRIAL LAUNDRY DOSING SYSTEM

PRODUCT DATASHEET



Description

Designed to cater to a range of laundry sizes, the Multiplex range serves establishments operating anywhere from 4 to 12 washing machines, with daily production capacities ranging from 500kg using our Multiplex 1 to 4000kg with our advanced Multiplex 2 Pro. With safety as a top priority, the Multiplex dosing system incorporates several key features to ensure peace of mind for operators. From rigorous leak and water testing protocols to comprehensive chemical compatibility checks, Multiplex guarantees a secure dosing routine. Additionally, its innovative design includes continuous channel cleaning with water, effectively minimizing maintenance requirements and ensuring uninterrupted operation.

Technical Specifications

| | | Value | |
|-------------|---------------------------------------|--|-----------------------|
| LAUNDRY | Maximum daily production * | 2200 kg | |
| | Maximum of products | 8 | |
| UNIT | Maximum number of washing machines | 10 | |
| | * Requires Machine Hold functionality | | |
| INTERACTION | Functions | Configure Real-Time View Reports | |
| | Interface | Password Management 7" Touchscreen (Local) Webserver (Local) Web Portal | |
| | ELECTRICAL PARAMETERS | Voltage / Frequency | 110-240 VAC / 50-60Hz |
| | | Power | 120W |

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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. |
| PANELS | Material | PVC |
| PUMPS | Number | 1 pump per channel. Main channel: electric diaphragm |
| | Flow rate (with water) | 1.5 litres/minute |
| | 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. Reccomended 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 |
| CABLIBRATION | Mode | Via distributor |
| | Measuring vase | Not included * recommend |
| FORMULAS | Number | 200 |
| | Dose units | g/kg fl.oz/cw |
| | Maximum number of doses per phase | 6 |

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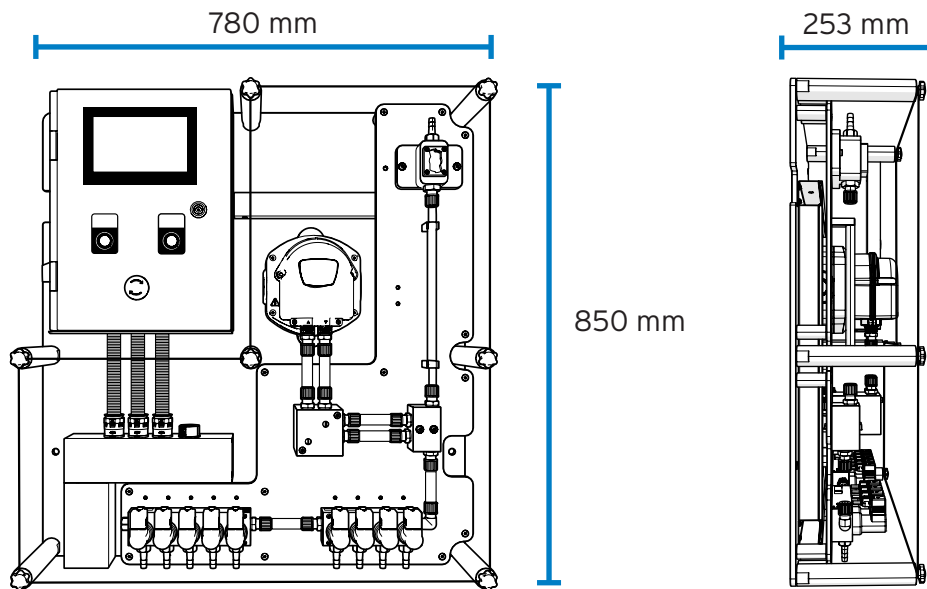
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05/2024
BIO77EN

Technical Specifications

| | | Value |
|---------------|-------------------------|---|
| STATISTICS | Data | Cloud synchronisation |
| | | Onboard storage |
| | | Production in load and cycles |
| | Information | Consumption and product cost |
| | | OEE |
| REMOTE ACCESS | Availability | Alarms |
| | | 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 |

Diagram



Dimensions

| | |
|--------|--------|
| Width | 780 mm |
| Height | 850 mm |
| Depth | 253 mm |

Weight

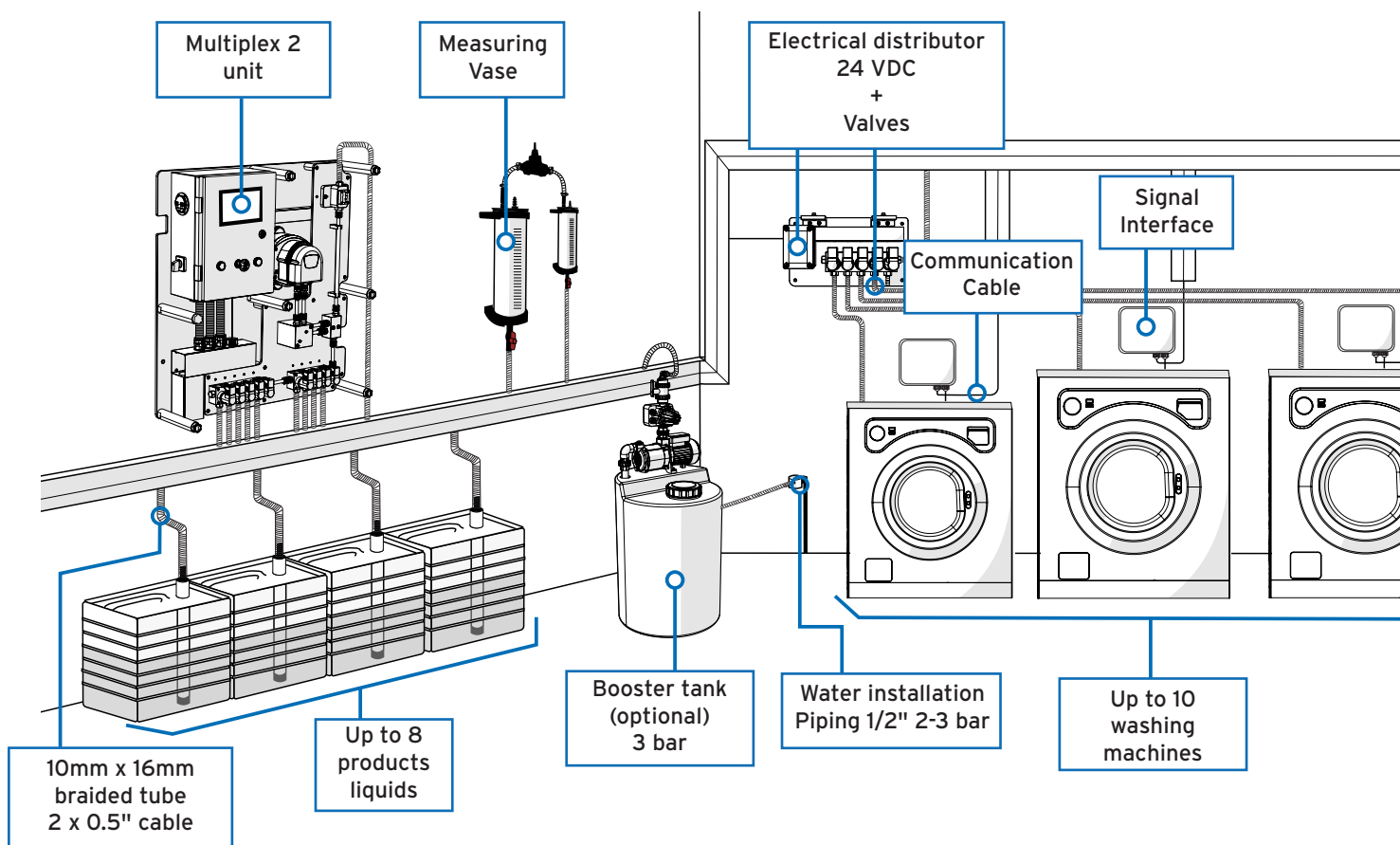
| | |
|------|---------|
| Unit | 34.6 kg |
|------|---------|

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Example of Recommended Setup



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