

## CH-VMP Valve Management Panel

## Datasheet



### WHAT IS THE VMP?

The VMP, Valve Management Panel is an integral component of the sampling system, designed to manage the pneumatic operations of primary and secondary sampler cylinders. It controls the opening and closing of valves with precision, ensuring seamless coordination between the samplers and the sampling process. The VMP is directly linked to the CH-SMP control unit through hardwired connections, allowing for real-time response to system commands and emergency stop functions. The VMP plays a critical role in maintaining system safety by cutting off pressure to the samplers during emergencies and requires manual reset to resume operations.

#### Dimensions and Mass

Width (mm)	400
Depth (mm)	250
Height (mm)	600
Weight (kg)	15

#### Power Requirements

Rated operational voltage (Ue)	24 VDC
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#### Safety Features

Emergency stop	External emergency stop button
Pressure release	Lockable rotary knob
Operation switch	Local, lockable

#### Materials

Box Material	Polyamide plastic
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#### Air Connections

Instrument air inlet	Hose connector OD 12 mm / 1/2" or G1/2" female
Instrument air outlets	Compatible with 8 mm tube
Pipe threads	According to ISO 228/1
For more information about the device controlled by VMP, refer to the corresponding datasheet.	

#### Air Requirements

Instrument Air	Oil free, dry instrument air
Quality	Class 2.2.2 according to standard ISO 8573-1
Pressure	6-10 bar / 0.6-1.0 Mpa / 88-145 PSI
Air consumption	Momentary 7-120 NI/min (0.25-4.24 cuft/min) depending on actuator and frequency