

VC 1

Valve Controller

The **controller VC1** is a microprocessor based control unit for controlling electro-pneumatic dosing valves from **perfecdos**. All operation-relevant parameters and limit values can be set and controlled precisely and intuitively. Actual values are transmitted to the PLC via various communication interfaces.

A **special switching intelligence** has been implemented for the PDos X1, which enables the shortest switching times and **fully automatically compensates** for negative effects caused by production-related downtimes. A signal evaluation for an optional drop detection sensor is integrated. The comparison with the dosing input signal therefore, takes place within one device, thereby increasing the responsiveness of the system and reducing your component costs.

All in all, the **well thought-out range of functions** simplifies all steps in practice - from system integration of the dosing equipment, through ongoing operation, to process control, thereby increasing the productivity of the dosing process.



Technical data

Product name	VC 1	Interfaces	USB (Typ-B bushing)
Operating voltage	24 VDC		Digital I/O (D-Sub bushing 15 pin)
Power consumption	max. 60 W		COM (D-Sub bushing 9 pin)
Operating modes	Continuous, Shot Count, Single, Start / Stop, Direct	COM interfaces	RS232, RS485, CAN Bus
Pulse lenght	1.5 – 2000.0 ms	Valve connector	M8 sensor bushing, 3 pin
Pause lenght	1.3 – 2000.0 ms (> 300 Hz)	Heater connector	M12 sensor bushing, 5 pin
Time increment	0.1 ms	Power connector	Lumberg SFV40 4 pin
Heater temperature	Up to 120 °C, (max. 80 W)	Fuse	5 x 20 mm, 250 V, 8 A, fast-acting
Specifications	CE, Rohs, Reach	Dimensions (W x L x H)	203 x 97 x 130 mm (7.99 x 3.82 x 5.12 inch)
		Weight	895 g (1.973 lbs.)