

Pulse valve VSVA

FESTO



Energy savings
of up to 80%

Install and save

Highlights

- Up to 80% lower energy consumption in blowing applications
- Greater cleanliness thanks to pulsating air flows
- Short amortisation time of less than 2 years
- Double flow rate possible
- Tamper-proof

In applications where chips or dust need to be removed or parts need to be dried and transported, the 2x 3/2-way solenoid valve VSVA with pulse function is a great asset. Not only does it reduce energy consumption, it also saves compressed air during pauses. When used as an air blast valve, the blast pulse is stronger than with a continuous air flow. This pays off within a very short time.

Quick and easy installation

The solenoid valve with central connector and pulse function has a standard connection pattern to ISO 5599-1 for maximum compatibility. You can just replace an existing valve on a valve terminal with the pulse valve.

No programming required

All you need to do is configure the pulse function using the two rotary switches on the back of the valve. This makes the pulse valve tamper-proof. The pulse is generated by the built-in timer function.

Short amortisation time

The low investment together with the energy savings mean the pulse valve has an amortisation period of less than two years.

Twice the performance

The two 3/2-way valves can be actuated in parallel, thus doubling the flow rate.

Pulse valve VSVA

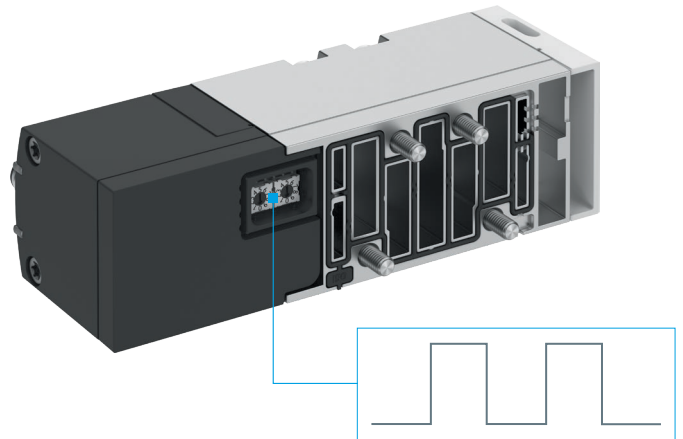
How the valve works

The solenoid valve VSVA with pulse function is a 2x 3/2-way standards-based valve that, once it is activated by a solenoid coil, autonomously creates a pulse following the preset frequency and the corresponding pulse/pause ratio.

You can also actuate the two valves in parallel to double the flow rate.

Adjusting the pulse frequency:

The valve function can be configured using two rotary switches located on the back of the valve. This protects the settings from being tampered with during operation.



Savings potential when actuating an air gun nozzle/fan nozzle

Continuous air

Consumption: ~32 m³/h (533 NI/min)
Costs per year: € 3,648

Using a pulse valve: 1 sec on/0.5 sec off

Consumption: ~21 m³/h (350 NI/min)
Costs per year: € 2,394
Saving: € 1,254/year

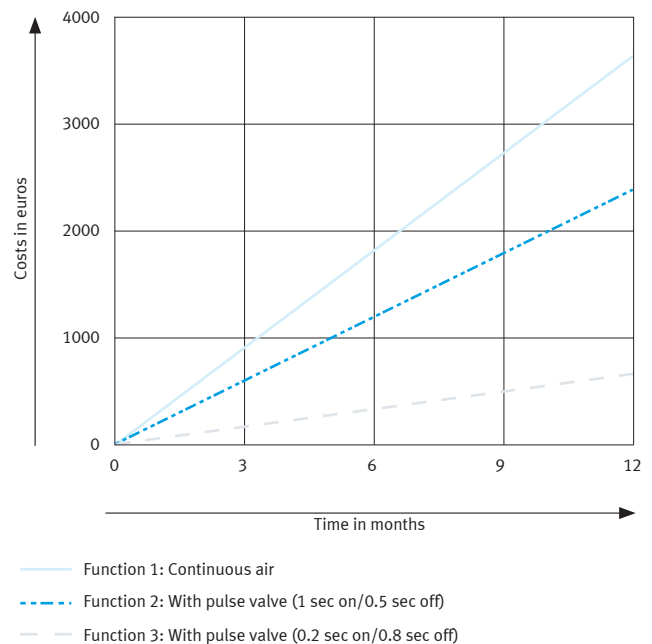
Using a pulse valve: 0.2 sec on/0.8 sec off

Consumption: ~6 m³/h (100 NI/min)
Costs per year: € 684
Saving: € 2,964/year

* Consumption at 5 bar, 24 hours a day, 250 days a year and compressed air costs of 1.9 ct/m³ (average price in Germany)

By using the pulse valve you can achieve annual savings of up to 80%.

Costs in the period under consideration



Technical data

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Type code	VSVA-B-T32C-AZD-D1-1R5L-CS
Part number	8109239
Valve function	2x 3/2, single solenoid with external auxiliary pilot air
Normal position	2x closed
Flow rate [l/min]	2x 1600
Frequency range [Hz]	0.25 ... 5
pulse/pause ratio	2:1, 1:1, 1:2, 1:3, 1:4
Dimensions L x W x H [mm]	137.8 x 42 x 58.3

* The pulse valve can be ordered from the Festo hotline by specifying the part number