



### Technical Data

- Electrical connection: 24 V DC
- Power consumption: 1 W
- Operating pressure: 5–8 bar
- Media pressure: up to 100 bar
- Max. dispensing frequency: 20 Hz
- Viscosity range: 1 mPas – paste-like
- Media temperature range: up to 75 °C
- Dimensions (L×W×H): 57 × 14 × 61,7 mm
- Weight: 125 g

# Pneumatic Dispensing Valve

Precise Dispensing. Compact Design. Easy integration.

#### Maximum stroke for coarse fillers

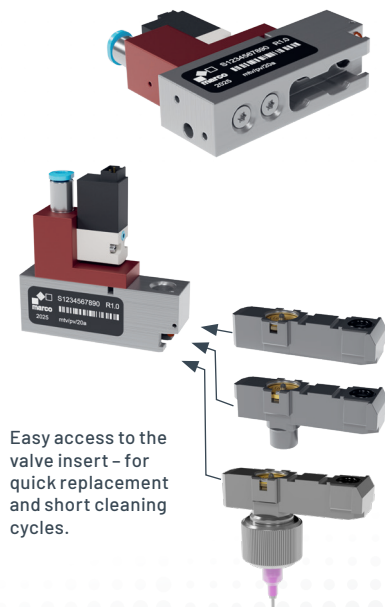
Compared to a standard piezo valve, the marco mtv/pv/20a pneumatic dispensing valve has a 4-fold stroke and can be used to dispense fluids with particle sizes of up to 200 µm.

#### Directly controllable

The valve only requires a compressed air connection and a 24 V trigger signal – no additional control unit or HMI. The trigger signal can be provided directly by an automation system, a robot, or a digital I/O module. This reduces installation time getting the system up and running quickly.

### Features & Benefits

Suitable for viscous, abrasive, and paste-like fluids	▶ Wide application range without special valve requirements – from adhesives to greases. Suitable for both dot and line dispensing
1 mm stroke opening	▶ Enables dispensing of fluids containing larger particles
Dispensing frequency up to 20 Hz	▶ Higher process speed – up to 20 dispensing cycles per second
Electrically actuated with 24 V trigger	▶ Direct control input – no controller or HMI required – easy integration into existing PLC/SPS automation systems
Requires only compressed air and 24 V	▶ Simple connection and operation – reduced system complexity
Compact design	▶ Ideal even for tight installation spaces or modular system layouts
Modular design	▶ Interchangeable components such as valve seat, fluid body, and cartridge – reduced maintenance and storage requirements
Fluid-separated actuator	▶ No wear parts in the actuator – maintenance-free and durable
Compatible with marco system components	▶ Full system integration of existing parts. marco valve seats, and other parts



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