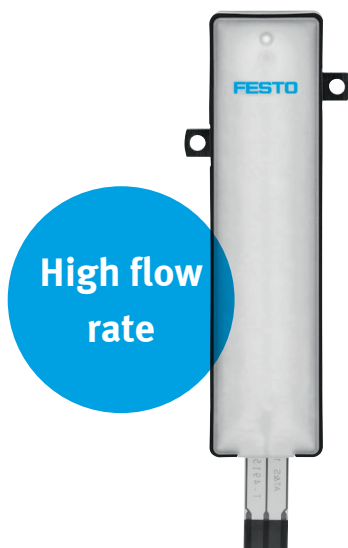


# 2/2-way proportional valve VEAЕ with piezo technology

FESTO



## Suitable for oxygen

### Highlights

- Power consumption < 0.1 mW
- No self-heating
- No operating noise
- Small and lightweight
- Safe thanks to its ability to maintain the current status in case of power failure
- Extremely long service life
- For use with gases, including oxygen

Small, lightweight, quiet, no self-heating, extremely low power consumption and yet a high flow rate of up to 100 l/min – that sums up the piezo proportional valve VEAЕ. It is ideal for battery-operated, portable medical devices such as ventilators. Its compact design also makes it suitable for stationary applications such as in ophthalmology or for dental drills.

### Safe and precise operation

The VEAЕ regulates gas flows, whether oxygen, air, nitrogen or inert gases, safely and precisely. And not just in medical technology, but also in applications in light assembly, the electronics and semiconductor industry, or the biotechnology/pharmaceutical industry. Since the piezo ceramics also maintain their current status in case of power failure, VEAЕ valves offer an extremely high level of process reliability.

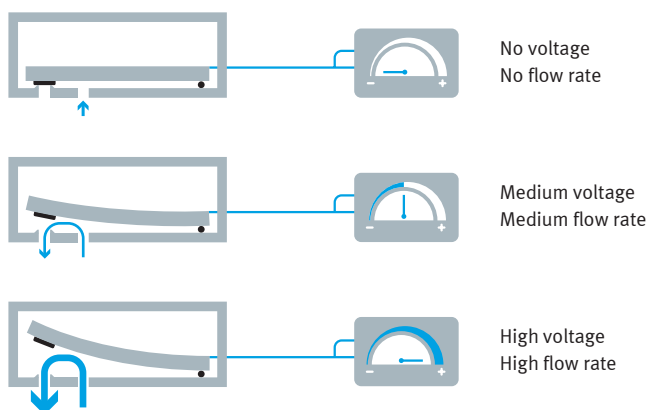
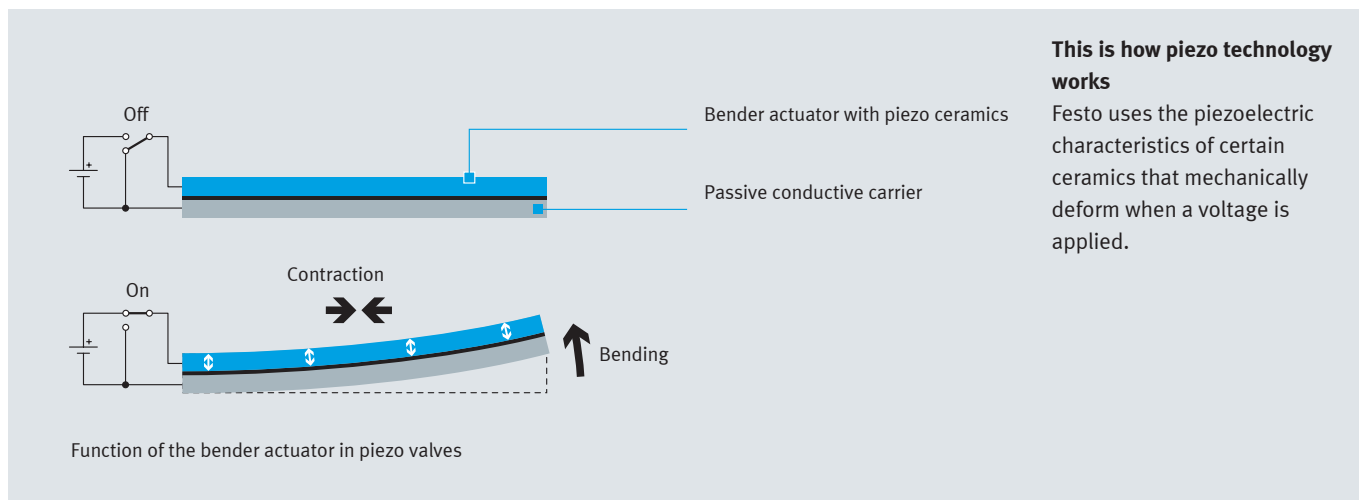
### High flow rate for medical ventilators

Whether a direct gas supply or a mixture of gases is required, the high flow rate of up to 100 l/min makes the VEAЕ ideal for portable or stationary ventilators for outpatient or hospital use.

### Compact and well controlled

The compact proportional valve VEAЕ delivers optimal control of the air flow and thus the revolutions of compressed air drills used in dentistry or surgery, for example.

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## Variants and technical data

	VEAE-BB-6-12-D23-X4 Part no. 8078916	VEAE-BB-6-17-D22-X4 Part no. 8078917	VEAE-BB-6-17-D23-X4 Part no. 8078915
Nozzle [mm]	1.2	1.7	1.7
Supply pressure [bar]	2 ... 7	0 ... 3	2 ... 7
Flow rate 1 → 2 (typ.)	50 l/min at 6 bar, 280 V	50 l/min at 3 bar, 280 V	80 l/min at 6 bar, 280 V
Control voltage [V]	0 ... 310	0 ... 310	0 ... 310

### Materials for high media compatibility

Only materials that give the valve a high level of media compatibility for medical gases or process gases are used for the proportional valve VEAЕ. It is suitable for oxygen, nitrogen,

carbon dioxide and inert gases, among others, with media quality to ISO 8573-1:2010 [6:3:4]. It is suitable for non-condensing air humidity up to 60%.  
Sealing material: EPDM 55Sh