

# Universal valve CPE

## The classic with the high flow rate

FESTO



### Compact Performance – maximum flow rate, minimum installation space

CPE – synonymous with long service life and high performance. Proven over many years, with millions of installed examples, the classic CPE now has something new to offer: Aluminium manifolds and M8 and CNOMO connection systems.

#### Optimised performance

This, the valve with the highest flow rate of any in the world for its very slim width, also benefits from outstandingly low electrical power consumption.

#### Optimised installation space

Closer and closer: The valve's compact dimensions enable it to be installed right where the action is, e.g. on cylinders or on moving units, or else grouped together on sub-bases and installed at a central position, both as individual valves or a valve manifold.

#### Optimised installation

Ideal for optimised process sequences and working cycles: Local installation has the advantages of short tubing lengths, meaning fast switching and reaction times. These valves and their sturdy manifold rails can withstand the toughest operating conditions. And there's yet another plus for easy installation:

- Widely-used M8 round plug connectors
- CNOMO pilot valves for a wider range of voltages



The robust classic ...



M8 round plug



CNOMO pilot valve

203.1.PSI →

Product Short Information

# Universal valve CPE

## The classic with the high flow rate

### Performance as individual valve or on a manifold

Traditional pneumatics still demand the attributes of high flow rates, small installation space requirements and convenient connection technology.

The solenoid valve CPE can be used as an individual valve and can now also be mounted on a sturdy aluminium manifold.

### Compact performance

- Optimum use of installation space: CPE valves with widths of 10, 14 and 18 mm on an aluminium manifold rail
- Maximum flow rates of 350, 800 and 1,500 l/min. for best pneumatic efficiency
- Low heat generation and economical operation with low power consumption of 1 or 1.5 watts
- Large pressure range of -0.9 ... 10 bar (with external auxiliary pilot air) for universal use
- Short cycles, thanks to switching times of as little as 12 ms

### Service life

- Very long service life of 100 million operating cycles, thanks to the cartridge principle, well-proven a million times over
- Ultra-low leakage rates and more economical operation thanks to soft-seal cartridge principle
- Maintenance-free and suitable for operation with unlubricated compressed air, giving high economy and excellent environmental characteristics

### Connection technology

- Wide choice of electrical connections using numerous sockets, supplied with or without cables fitted. With protection levels IP65 and IP40, with flat-pin plugs, M8 and CNOMO pilot valves
- Robust aluminium manifolds in lengths of 2, 3, 4 ... 10 valve positions for use in harsh conditions
- Comprehensive accessories, e.g. numerous different pre-assembled sockets with cables and plugs with cables, with or without LEDs

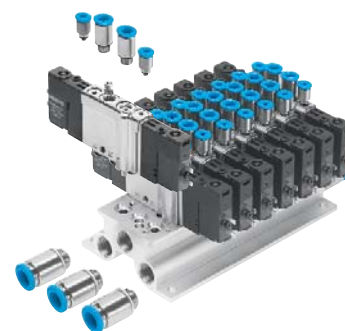
### A wide choice

- The aluminium manifold will accept all combinations of 5/2-way valves (single and double solenoid) and 5/3-way valves
- The 3/2-way valves are mounted on their own aluminium sub-base
- To facilitate later expansion, unused valve positions can be covered by a blanking plate
- Allows both internal and external pilot air supply and is thus also suitable for vacuum
- Exhaust-air flow control facility enables individual adjustment of process sequences
- Easy commissioning thanks to integrated manual override as standard on CPE valves

Valve size	CPE 10	CPE 14	CPE 18	CPE 24
Overall width mm	10	14	18	24
Threaded connection	M5/M7	G 1/8	G 1/4	G 3/8
Push-in connection	QS-4/6	QS-6/8	QS-8/10	QS-10/12
Max. flow rate *	350	800	1,500	3,200
Voltage	24 VDC	24 VDC	24 VDC 110 VAC 230 VAC	24 VDC 110 VAC 230 VAC
Electrical connection	Flat-pin plug M8	Flat-pin plug M8	Flat-pin plug CNOMO pilot valve** M12 adapter (CNOMO pilot valve)	Flat-pin plug

\* 5/2-way valve

\*\* DIN EN 175301-803 Type C



CPE14 – 5/2-way valve with M8



CPE18 – 5/2-way valve with CNOMO pilot

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