

# Clean Design valve terminal MPA-C

FESTO



## Clean Design

### Highlights

- NSF-H1 lubrication, FDA certified materials
- Protection class IP69K, dual sealing system
- Single module sub-bases
- Fieldbus/Ethernet via CTEU/CTEL
- Large cross-section for pressurisation and exhausting
- Optional external/internal pilot air supply

MPA-C is Clean Design to perfection. It is very easy to clean, highly corrosion resistant, extremely sturdy – and extremely functional. It boasts more valve functions, modular single sub-bases for maximum 32 valves or solenoid coils, protection class IP69K, FDA certified materials, fieldbus/Ethernet via CTEU – everything that you could ask for!

### Individualised configuration

Electrical interfaces on the front or back side, with multi-pin, fieldbus or Ethernet via CTEU/CTEL with or without manual override, from one to 32 pressure zones and with freely configurable connections.

### Durable and sturdy

MPA-C fulfils protection class IP69K and CRC4, the highest corrosion-resistance class for Festo products. This means that high pressure cleaning, cleaning foams or harsh operating conditions pose no problems.

### Perfect fit: Clean Design in the environment

Complete Clean Design with everything fitting perfectly: Clean Design valve terminal MPA-C, FDA certified tubing-fitting combination NPCK with PFAN, electrical connecting cables NEBV and cylinders such as CRD-SNU or DSBF.



product design award

2014

# Clean Design valve terminal MPA-C

Exceptionally sturdy and exceptionally functional



MPA-C offers:

- 5/2-way valve, single solenoid and for safety applications with mechanical spring return
- 5/2-way valve, double solenoid
- 5/3-way valve, exhausted, pressurised or closed in mid-position
- 2 x 3/2-way valves
- 2 x 2/2-way valves
- Special functions such as 3/2-way valve with separate air supply connection

## General technical data

Design	Piston spool valve with Festo cartridge technology
Protection class	IP69K
Corrosion-resistance class	CRC4
Number of valves	Up to 32 valves/solenoid coils
Valve sub-base	Single extendable
Electrical actuation	Multi-pin, fieldbus/Ethernet via CTEU interface
Operation [V DC]	24 ±25 %
Temperature range [°C]	-5 ... 60
Lubrication	NSF-H1
<b>Pneumatic data</b>	
Standard flow rate [l/min]	Up to 780
Operating pressure [bar]	-0.9 ... 8
Pilot pressure [bar]	3 ... 8
Pneumatic working port	G1/4
Pneumatic supply port	G 3/8 (duct 1,3,5)

\*CRC4: corrosion-resistance class to Festo norm (components subject to particularly high corrosion stress; externally visible parts in direct contact with a normal industrial environment or used with aggressive media, e.g. in the food industry or chemical industry. These applications should be supported with special tests using the appropriate media., if required)

## Wide range of Clean Design solutions



High-end fitting NPCK,  
FDA certified



Electrical connecting cables  
NEBV



Stainless steel Clean Design  
cylinder CRDSNU

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