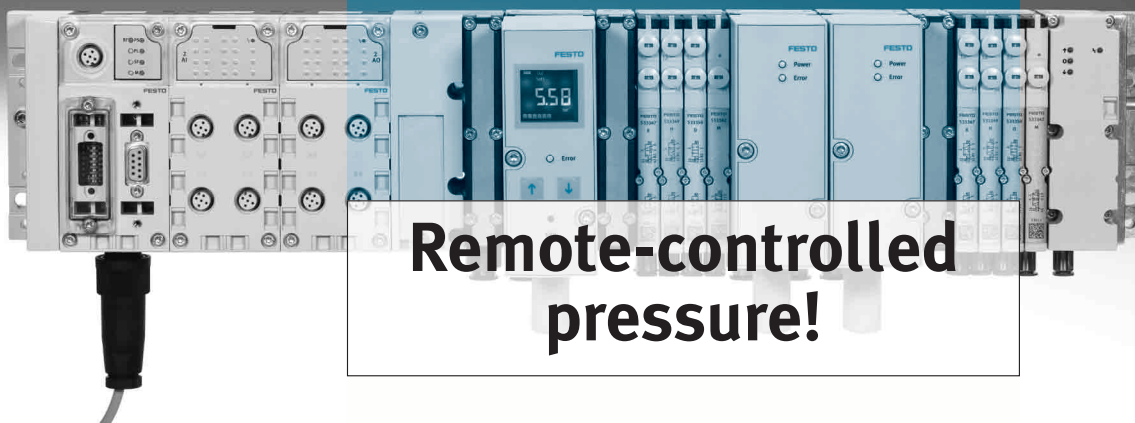


# Proportional pressure regulator VPPM-MPA

## The new dimension: proportional technology with a fieldbus system



**Remote-controlled pressure!**

**A worldwide first: A proportional power package. Proportional technology meets CPX/MPA – the new dimension in pneumatics, electrical components and networking.** The exclusive recipe: the combination of two cutting-edge technologies complements CPX/MPA, the world's most innovative technology platform for valve terminals, by adding a wealth of pneumatic and electrical functionality. This is a new generation of function and system integration!

### **Total individuality:**

Individually configurable: VPPM. Modular configuration on all levels: CPX/MPA. Together, they form a proportional power package! This features ...

### **... local commissioning**

Without a fieldbus – using the CPX-MMI hand-held control unit. Simply input and read out analogue data in open text and parameterise limit values.

### **... variable MPA pressure zones**

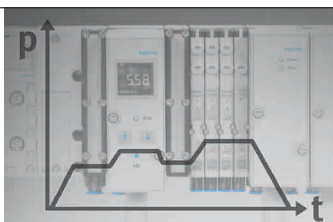
One VPPM – several different pressures. Sequentially switchable for several MPA manifolds!

### **... diagnostics**

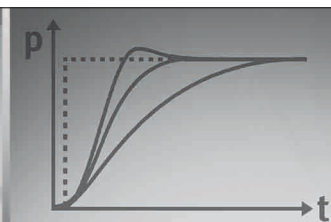
With a fieldbus: remote control and monitoring of all general and limit values, and a display (ND8) which shows the current pressure or error codes. All information is available at any time.

### **... individual pressure**

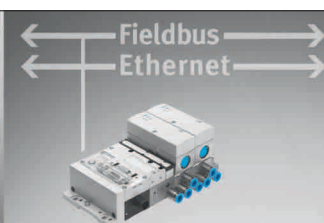
A convenient means of controlling pressure and force with actuators and processes using digitised analogue values via fieldbus/Ethernet.



Integrated regulation



Robust with 3 presets



Variable via fieldbus

241.2.PSI →

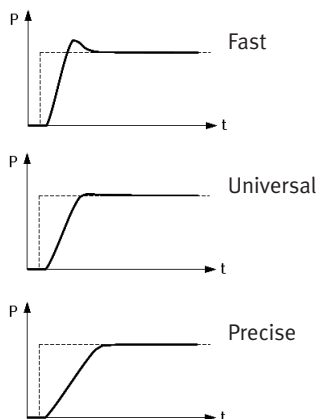
Product Short Information

# Proportional pressure regulator VPPM-MPA

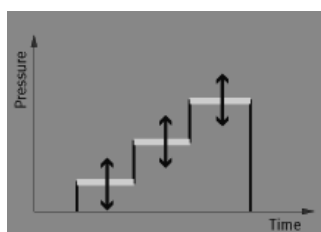
## The new dimension: Proportional technology with a fieldbus system

### Only from Festo: Robust regulation via fieldbus/Ethernet

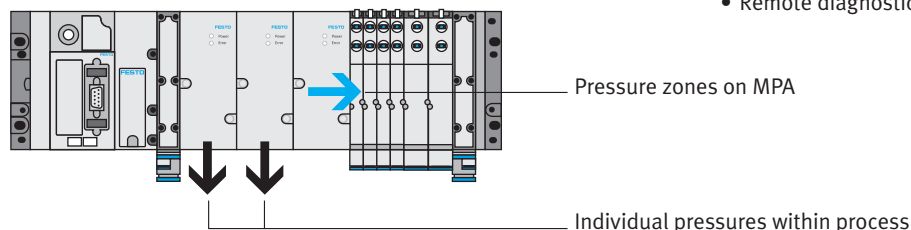
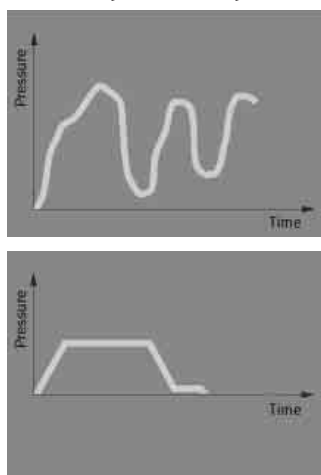
For universal applications:  
Robust regulator characteristics without overshoots! Fast, universal, precise regulation – exact, flexible and accurate even over large distances. And with comprehensive diagnostics as an essential plus.



### Pressure zones on CPX/MPA:



### Individual pressures in process:



### Integrative pressure measurement and regulation via fieldbus

Made possible by the internal serial bus system of the MPA valve terminal. Unique worldwide combination of modules for pressure sensing and regulation, VMPA-FB-PS and VPPM on one CPX/MPA. These, together with digital and analogue I/O modules, significantly improve production processes – through the latest communication technology and system integration.

### Reliability in an elegant form

- Constant information on pressure and status shown on the PLC and locally on the display (ND8) for highest quality production
- Seamless documentation
- Total Preventive Maintenance
- Ultra-reliable data transmission for maximum performance
- Remote diagnostics

### Slim solution for commissioning and operation

- Integrated complete solution – a perfect example of Festo plug & work®
- Ultra-simple assembly, installation, control
- Ultra-simple programming – automatic adaptation of current or voltage interfaces between pressures and digitised formats
- No need for extra programming and conversion to analogue values
- Option of bar, PSI etc. in open text
- CPX-FEC for optimisation of high-speed processes, fast pre-processing, remote control

### Excellent technologies deserve first-class services

- Faster: Order a unit with just one order code
- Error-free: Configuration via software
- 100% simple: Pre-assembled as a single unit
- 100% tested: All functions

Technical data	
Valve functions	3/2-way proportional pressure regulator
Flow rate per valve	1400 l/min., 10 bar (ND6)      1650 l/min., 10 bar (ND8) 900 l/min., 6 bar (ND6)      1050 l/min., 6 bar (ND8) 380 l/min., 2 bar (ND6)      450 l/min., 2 bar (ND8)
Pressure range [bar]	0 ... 2, 0 ... 6, 0 ... 10
Mounting	Flange (ND6, ND8)
Electrical interface	Serial CPX/MPA interface - switching outputs, diagnostics, parameters, setpoints/actual values
3 presets	Fast, universal, precise
Display/control facilities	VPPM-MPA: - LED status display (ND6), additional LCD display (ND8) - 3 parameter sets (presets), selectable - Individual parameterisation fieldbus/Ethernet - Comprehensive integrated diagnostics functions - Local control and parameterisation via handheld CPX-MMI - Remote maintenance, diagnostics, optional web monitor, e-mail/SMS alarm

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