

Proportional pressure regulator VPPM IO-Link

FESTO



Decentralised safety!

Highlights

- Short cycle times thanks to point-to-point connection
- Choice of 3 regulator settings
- Easy connection to the system
- Adjustable pressure ranges

VPPM is the first proportional valve with IO-Link and I-Port connection technology. Its outstanding features include easy parameterisation and stable data transmission. The high-speed COM3 data rate of 230 kB/s and cycle times of 0.4 ms mean that even complex data packets can be transmitted quickly and reliably.

 **IO-Link**

Reliable

Thanks to the point-to-point communication, cycle times are always the same – no matter how many devices are connected. The baud rate of 230 kB/s and Stack 1.1 software guarantee short cycle times.

Decentralised

VPPM-IO-Link opens up new application areas. The valve can now be operated decentrally via a master using all the usual bus protocols.

User-friendly

No need for addressing or settings - simply connect up, load the IODD and you're ready to go. And it's inexpensively with simple, unscreened cables.

Diagnostics

The constantly displayed actual value shows the current pressure at the valve output. Preventive maintenance can be implemented by using the switching cycle counter. There are integrated diagnostic messages, e.g. for power supply and setpoint.

I-Port and IO-Link!

For connection to an IO-Link master or to a CTEL from the CPX environment, a CTEU with an integrated bus interface and 2 I-Port interfaces or a CECC master with an integrated controller.

Proportional pressure regulator VPPM IO-Link

Proportional valve



VPPM 12 ... LK-S1



VPPM 8 ... LK-S1



VPPM 6 ... LK-S1

Applications

- Pressure regulation
- Check
- Metering
- Pressing
- Press fitting

Main industry segments

- Special machines
- Food
- Printing and paper
- AMI
- ELA

Technical data

Valve function	3-way proportional pressure regulator			
Flow rate in [l/min] with:	ND6	ND8	ND8 flange	ND 12*
2 bar	380	650	450	2000
6 bar	900	1750	1050	4500
10 bar	1400	2750	1650	7000
Pressure range [bar]	0.02 ... 2; 0.06 ... 6; 0.1 ... 10			
Pneumatic connection	G1/8, G1/4, G1/2 flange			
Design	Inline (G1/8, G1/4, *G1/2) or flange (NG6/ NG8)			
Setpoint value	IO-Link			
Actual value	IO-Link			
Electrical connection	M12 plug, 5-pin			
Connecting cables	Pre-assembled			
Degree of protection	IP65			

I-Port/IO-Link master



CTEU with CAPC



CTEL for CPX



CECC

Festo AG & Co. KG

Address
www.festo.com