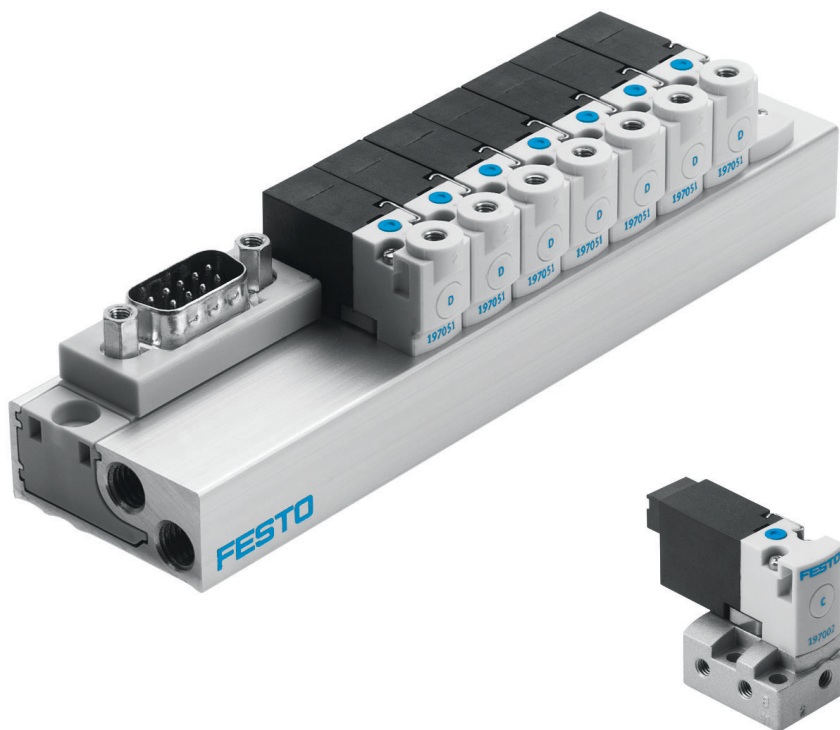


Miniature Valve, Type MH1

FESTO



Extremely small, fast and versatile:

The miniature valve MH1

An ideal solution for confined spaces. Vacuum functions included. Maximum reliability, even in constant operation and with 100% duty cycle. The MH...1 is always compatible with Festo's wide range of compact cylinders, rotary actuators and slides. It can also be used for the pilot control of process valves.

Extremely versatile

The MH...1 can be connected by a pneumatic multiple connector plate and/or electrical multi-pin plug. Electrical connection may be horizontal, top or bottom. Also included is connection for mounting on a PCB.

Extremely fast

The miniature valve's response time is just 4 ms.

Extremely small

There is a choice of 14 l/min in the 2/2-way versions or 10 l/min in the 3/2-way version. It can also be mounted on an individual sub-base, or pre-fitted on a PR manifold.

MH1.PSI.US

Product Short Information

Miniature Valve, Type MH1

Technical Data

Function	2/2-way valve normally closed	3/2-way valve normally closed	3/2-way valve, normally open
Capacity -Nominal flow rate -Response time on/off	14 l/min (2 > 0 bar) 4/5 ms	10 l/min 4/4 ms	10 l/min 4/4 ms
Width	10mm		
Connection -power consumption -electrical -electro-mechanical -mechanical -pneumatic	1W 5 V DC, 12 V DC, 24 V DC Plug connection at rear, top, bottom (plug-in) Ind. valve assembly on sub-base, battery manifold assembly 2...22 valves M3, M7		
Pressure range	-0.9...2 bar	0...8 bar	0...6 bar
Degree of protection	IP40		
System extension	- Electrical multi-pin connection (sub-D) is possible, as is pneumatic multiple connector plate connection or - mounting and electrical connection on a PCB directly (PCB assembly) - alternatively with LED and non-detenting/detenting manual override for all sub-base variants - Expansion of the SUB-D manifold to include 24x manifold		

Versatile connection concepts

With individual sub-base connection or pre-mounted on a PR manifold, the miniature valve is suitable for a wide variety of requirements. Versatility is also important, when it comes to electrical connections: thanks to the three different plug directions.



In-line valve manifold with semi in-line (plug-In), pre-mounted on PR manifold (electrical multi-pin)



In-line valve manifold with sub-base (horizontal connector), pre-mounted on a PR manifold

Small valves for a wide range of applications

Miniature valves are designed for more than just the electronics industry. They are also suitable for the light assembly, medical technology, and semiconductor industries; in short anywhere extremely compact, fast-switching valves are required, or pilot valves are needed for valves coming in contact with media (process industry).



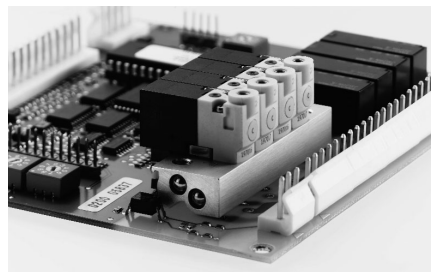
Individual sub-base with semi in-line (top connector)



In-line valve manifold with semi in-line (top connector)

Fast switching time

With response times of approximately 4 ms, all concerns and needs are met. Vacuum functions can also be easily implemented as well. 100% duty cycle even in the case of three-shift operation; maximum cost-effectiveness is guaranteed.



Valve manifold for PCB assembly

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