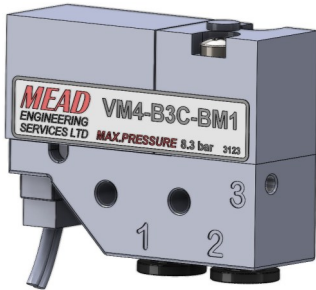
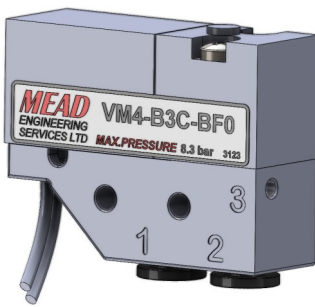


## VM4 Series 15mm Wide Solenoid Control Valves

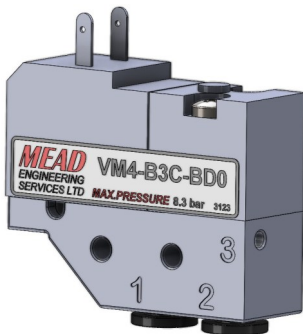
Compact Solenoid 2/2 and 3/2 valves and Manifold series that features integrated push-in pneumatic fittings and electrical connections. The series has a high flow rate combined with a low electrical power consumption and a long service life. May be used individually or manifold mounted.



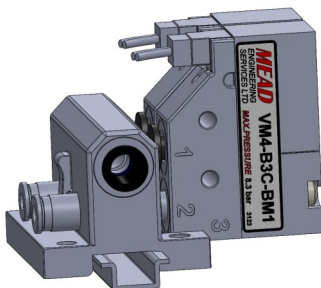
**With Mini-Connector and LED**



**With Flying-Leads**



**With Terminal Pins**



**Manifold Mounting**

### Technical Information

Parameter	Specification
Working Medium	Dry Air, Filtered 40 µM
Working Pressure	0~8.3 bar
Operating Temperature	-20 to +50°C
Internal Orifice Diameters	1.5mm
Cv and Kv	Cv = 0.05, Kv = 0.044 (cu. M/hr).bar
Response time (ms) on/off	≤10ms/10ms
Max Operating Frequency	20 Cycles/Sec
Life Time Expectancy	50 Million Cycles
Lubrication	Not Lubrication
Manual Override	Push to Operate
Protection	IP 54 (M), IP 65 (F) and IP 65 (D)
Electrical Connection	Mini-connector with Leads (M), Fly-leads (F) and Terminal/Connector (D)
Standard Voltages	24VDC, 12VDC, 6VDC
Allowable Voltage Range	±10%
Power Consumption	2.5W
Port Connection	4mm Push-in Fittings and M3 tapped Exhaust
Valve and Manifold Colour	Black
Symbols	

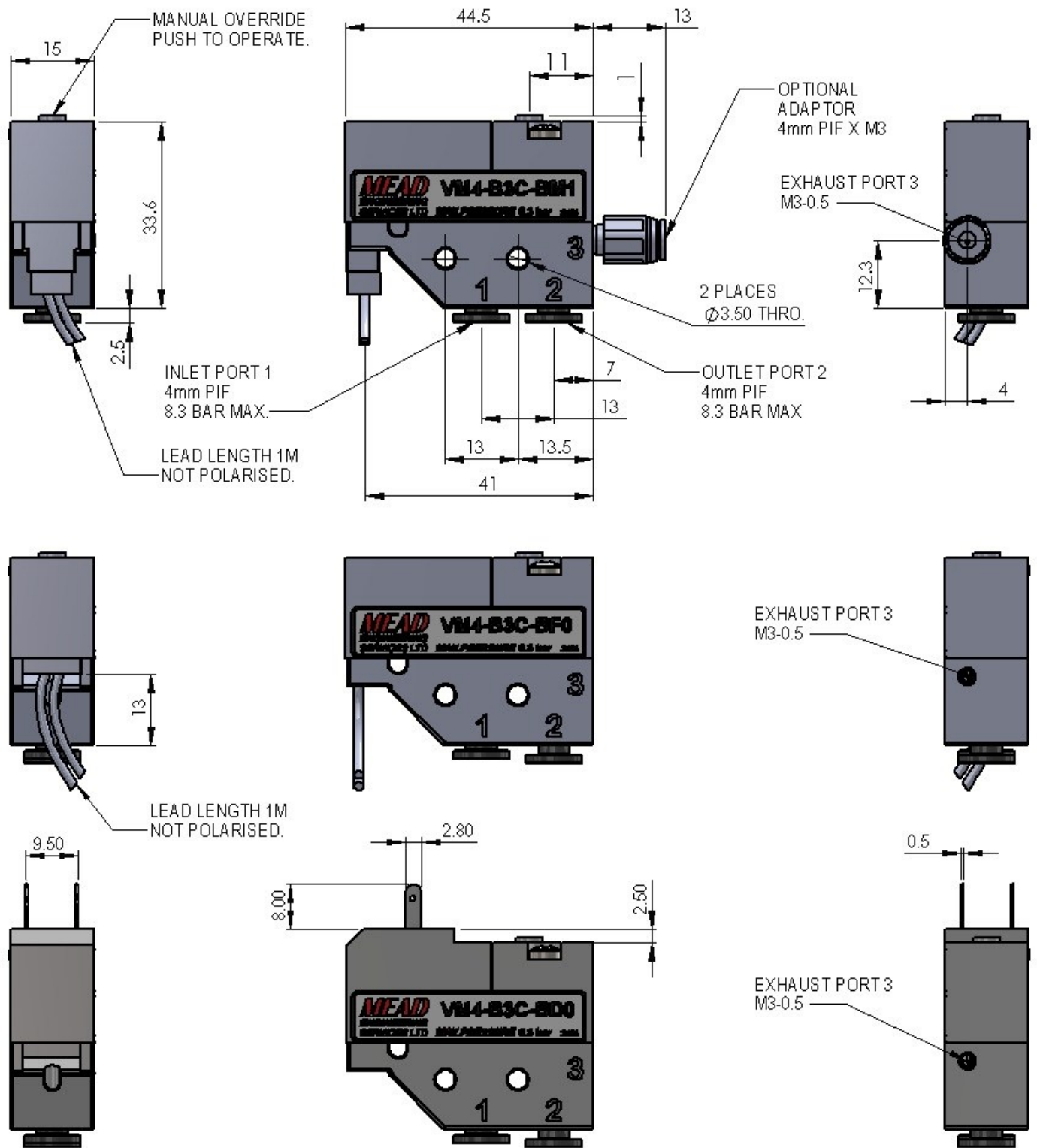
### Key Features

- Compact
- Non-corrosive
- Manual Override
- 4mm Push-in Fittings (Ports 1 and 2)
- M3 tapped Exhaust Port 3 standard
- LED Indicator (Mini-Connector version)
- High flow and low power consumption
- Manifold Mounted **CONTACT OFFICE**

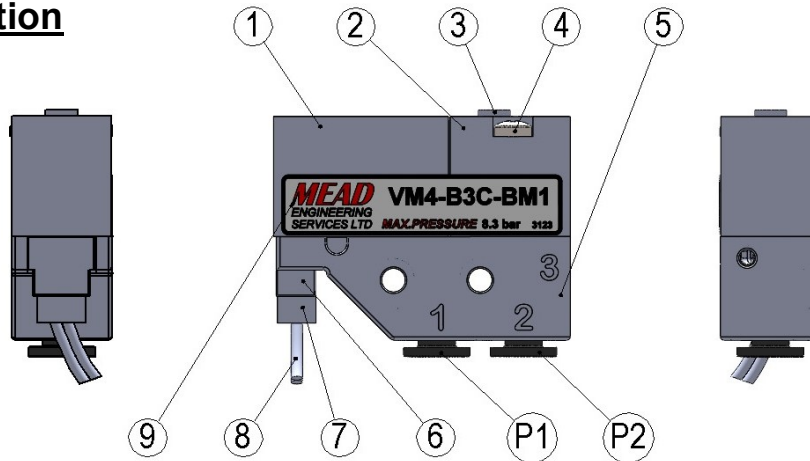
### Typical Applications

- Automation
- Robotics
- Test instruments
- Education aids
- Medical
- Production tooling
- Other pneumatic applications

**Dimensions**



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Technical Information

item	Description	Material	Notes
1	Coil Encapsulation	PA66	Glass Filled
2	Valve Housing	PA12	Glass Filled
3	Manual Override	POM	
4	Screws	St/Stl.	
5	Manifold	PA12	
6	PCB/LED Cover	PC	Translucent
7	Mini-Connector	PC	
8	Leads	XLPE	Non-Polarised
9	Label	Polyester	
P1	Inlet Port	POM+St/Stl.	4mm Push-in Collet
P2	Outlet Port	POM+St/Stl.	4mm Push-in Collet
P3	Exhaust Port M3-0.5	Plated Brass	Optional 4mm PIF x M3
NS	Seals	Nitrile	Not Shown
NS	Internal Components	POM, St/Stl., Brass	Not Shown

Model codes

# VM4-B 3 C -B M 1

Series VM4	Orifice	Function	Function	Voltage	Electrical Connection	Indicator LED
Port 4mm PIF	B=1.5mm	2=2/2 3=3/2	C=Normally Closed O=Normally Open	A=12VDC B=24VDC D=24VAC F=110VAC H=230VAC R=6VDC	D= Terminals, 9.4mm Micro DIN F= Flying Leads M= Mini-Plug & Leads (Standard version)	0= No LED 1=With Red LED

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