

Dedicated for small size flow rate sensor RAPIFLOW
Miniature inline filter



FSM-VFM Series



Features

Inline filter dedicated for compact flow rate sensor RAPIFLOW FSM, FSM-V Series Due to the small inner volume, the high-speed response at suction confirmation is not affected.

- Miniature which stays out the way and helps save space
- Easy element replacement
- The polyamide resin which has superior chemical resistance is used for the case material
- As the case is transparent, the dirtiness of element can be checked from the outside

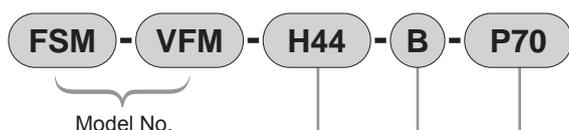
Specifications

Descriptions	FSM-VFM-H22	FSM-VFM-H44	FSM-VFM-M55
Working fluid	Clean air (JIS B 8392-1: 2012 (ISO 8573-1: 2010) 1.1.1 to 5.6.2), Compressed air (JIS B 8392-1: 2012 (ISO 8573-1: 2010) 1.1.1 to 1.6.2) *1		
Applicable tube O.D.	ø1.8 (fiber tube)	ø4 (push-in)	Port size M5
Proof pressure MPa	0.75		
Working pressure range MPa	-0.1 to 0.5		
Operating ambient temperature °C	0 to 50		
Material	Polyamide		
	Polypropylene, polyethylene		
Filtration rating µm	10		
Product weight g	5.2	9.5	4.2
Recommended flow rate l/min	10 *2		

*1: Refer to page 1106 for the compressed air quality class according to JIS B 8392-1: 2012 (ISO 8573-1: 2010).

*2: Because the pressure loss becomes large when the flow rate exceeds 10 l/min, use the product with 10 l/min or less.

How to order



Code	Content
A Tube outer diameter	
H22	ø1.8 (fiber tube)
H44	ø4 (push-in)
M55	Port size M5
B Attached	
Blank	Without bracket
B	Bracket attached
C Clean treatment	
	Structure/treatment
P70	Dust generation preventing

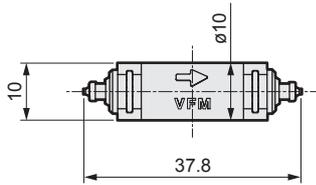
● Bracket part model No.

FSM - VFM - B - P70

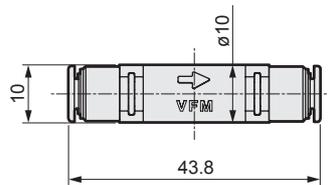
(Cross-recessed flat head tapping screw M2.5 × 6: 1 pc.)

Dimensions

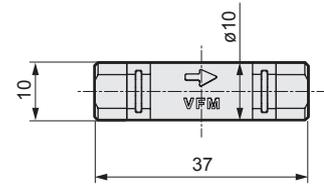
● FSM-VFM-H22-P70



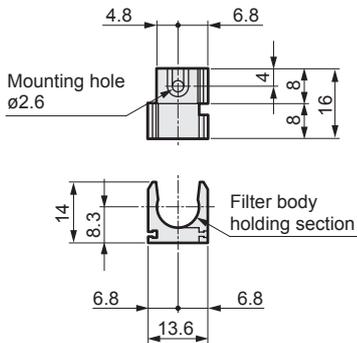
● FSM-VFM-H44-P70



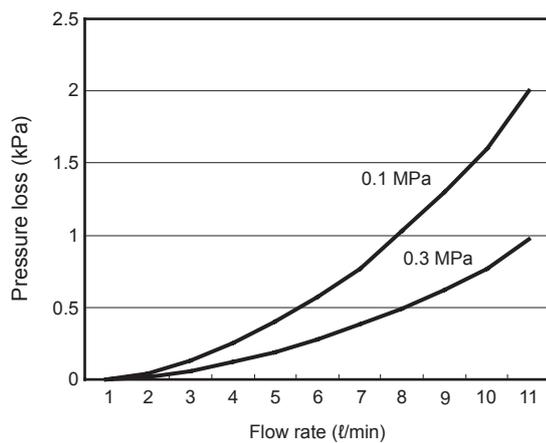
● FSM-VFM-H55-P70



● FSM-VFM-B-P70 (bracket)



Flow characteristics (FSM-VFM-H44)



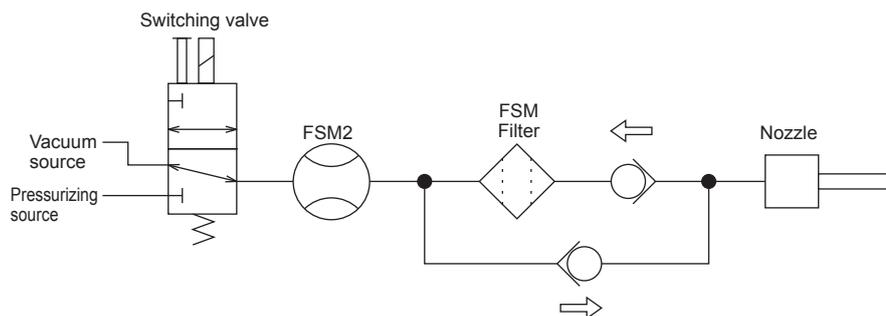
● When using the fiber tube, the pressure loss may become large depending on the piping conditions. Please be careful.

Caution

● This filter has an orientation.

Use a check valve as a countermeasure for preventing the outflow of dirt when used for suction confirmation, etc.

(Example of circuit)



● Refer to page 1125 for other cautions or replacement method of the element.

SCPD3

SCM

SSD2

MDC2

SMG

LCM

LCR

LCG

LCX

STM

STG

STR2

MRL2

GRC

Cylinder Switch

MN3E
MN4E

4GA/B

M4GA/B

MN4GA/B

F.R.(module unit)

Clean F.R

Precision R

Press gauge
Diff. press gauge

Electro-pneumatic R

Speed controller

Auxiliary valve

Fitting/tube

Clean air unit

Pressure sensor

Flow rate sensor

Valve for air blow

Ending