

Clean Exhaust Filter

SFE Series

RoHS

How to Order

SFE 11

Size/Port size

Male thread type

Symbol	Port size	Max. flow capacity L/min (ANR)
11	M5 x 0.8	3
42	R1/8	65
52	R1/8	130
53	R1/4	130
73	R1/4	200

Plug-in type

Symbol	Port size	Max. flow capacity L/min (ANR)
3A	ø4	30
4B	ø6	65
5C	ø8	130
7D	ø10	200

One-touch fitting type

Symbol	Applicable tubing O.D.	Max. flow capacity L/min (ANR)
3F	ø4	30
4G	ø6	65
5H	ø8	130
7J	ø10	200



Male thread type



Plug-in type



One-touch fitting type

Bracket

SFE-BR 3

Symbol	Applicable model
3	SFE3□
4	SFE4□
5	SFE5□
7	SFE7□



Specifications

Model	SFE11	SFE3□	SFE4□	SFE5□	SFE7□	
Fluid <small>Note 1)</small>	Air					
Maximum flow capacity <small>Note 2)</small>	Up to 3 L/min (ANR)	Up to 30 L/min (ANR)	Up to 65 L/min (ANR)	Up to 130 L/min (ANR)	Up to 200 L/min (ANR)	
Filtration rating <small>Note 3)</small>	0.01 μm (Trapping efficiency 99.99%)					
Noise reduction <small>Note 3)</small>	30 dB (A)					
Operating temperature	5 to 45°C					
Differential pressure proof <small>Note 4)</small> (Maximum operating pressure)	0.1 MPa					
Material <small>Note 5)</small>	PBT, Polyolefin, Polyurethane, PP*, Stainless steel*, EPDM (Fluoro coated)*					
Body						
Gasket	NBR, Stainless steel	—				
Weight	Male thread	1 g	—	7 g	12 g	17 g
	Plug-in	—	3 g	6 g	11 g	16 g
	One-touch fitting	—	5.5 g	8 g	16 g	24 g
Bracket weight	—	1.2 g	2.5 g	3.5 g	5.5 g	
Applicable tubing material <small>Note 6)</small> (One-touch fitting type)	—	PFA, Polyolefin, Soft polyolefin, Polyurethane				
Replacement period	・ 2 years or when back pressure reached 0.1 MPa ・ When the system fails to operate normally due to clogging					
Packaging	Antistatic double packaging processes					

Note 1) Do not use this product in air containing ozone, since it may break.

Note 2) Model should be selected based on the flow capacity. (Refer to page 839.)

Note 3) Based on SMC's measuring conditions.

Note 4) Pressure applied to SFE, and not supply pressure to the equipment that SFE is mounted to (e.g. solenoid valve, cylinder).

Note 5) The materials with an asterisk (*) are used for the One-touch fitting type only.

Note 6) Due to the softness of polyurethane tubing, it may fold when being inserted. Hold the end of the tubing and insert it all the way in.