

Clean Gas Filter: Disposable Type/Straight Style Series **SFB300**

Precision filtration for compressed air, nitrogen, etc. used in the semiconductor process

PTFE membrane with high reliability

Filtration 0.01 μm (Filtering efficiency 99.99%)

Bracket is included as a standard.



How to order

SFB 30 0 - 02

Clean gas filter
(Straight style)

Port size

Symbol	Port size
02	Rc, NPT, TSJ, UOJ 1/4

Model type

Symbol	Type
30	Disposable type (Narrow size)
31	Disposable type (Long size)

Connection

Symbol	Connection (IN, OUT)
0	Rc
2	TSJ
5	URJ

* SFB31: Only 5 is selectable.

Model

Model	Rated flow rate L/min (ANR) <small>Note)</small>	Connection	Filtration area cm^2	Weight kg
SFB300-02	45	Rc 1/4 (Female thread)	10	0.14
SFB302-02		TSJ 1/4		0.15
SFB305-02		URJ 1/4		0.14
SFB315-02		URJ 1/4		0.15

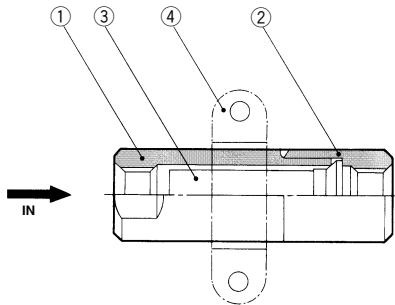
Note) Inlet pressure 0.7 MPa, at pressure drop 0.02 MPa

Specifications

Operating fluid		Air, Nitrogen
Operating pressure <small>Note 1)</small>		Max. 0.99 MPa, Vacuum 1.3×10^{-6} kPa
Operating temperature		5 to 120°C
Element proof differential pressure		Max. 0.5 MPa
Element reverse differential pressure		Max. 0.07 MPa
Filtration <small>Note 2)</small>		0.01 μm (Filtering efficiency 99.99%)
Purification in the outlet side		Particle with 0.1 μm or larger 0 pcs/6 L
Helium leak volume		4.0×10^{-9} Pa·m ³ /sec or less
Main material	Case/Cover	Stainless steel 316 (Interior/Exterior: Electrolytic polishing)
	Filter medium	PTFE membrane
	O-ring	Stainless steel 304

Note 1) The maximum operating pressure is 0.99 MPa since this product does not conform to the High Pressure Gas Safety Law.
Note 2) Based on SMC's measuring conditions.

Construction



No.	Description	Material	Note
1	Case	Stainless steel 316	Electrolytic polishing (Interior/Exterior)
2	Cover		
3	Element	PTFE membrane	
4	Bracket	Stainless steel 316 sintered metal	

HAA
HAW
AT
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AMG
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ZFC
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