

Air Suction Filter

Series ZFA

Prevents vacuum equipment trouble due to airborne contaminants.

The collected dust does not remain in the case.

Compact and lightweight

Max. 10 station manifold is possible.

Large filter element surface

Possible to replace element without tools

Mountable in any direction

Model

Model	Port size	Recommended air flow (ℓ/min (ANR))	Mass (kg)	Internal capacity (cm ³)
ZFA100	1/8	50	0.14	30
ZFA200	1/4	200	0.19	49

Specifications

Fluid	Air, Nitrogen
Operating pressure range ^{Note 1)}	-100 to 0 kPa
Proof pressure ^{Note 1)}	0.5 MPa
Operating temperature range	5 to 60°C
Nominal filtration	30 μm
Element differential pressure resistance	0.15 MPa



Note 1) Do not use it in a line that is kept pressurized because it could cause the body to break.

Note 2) Please consult with SMC when INLET and OUTLET are to be prepared on the bottom of the case or if a vacuum switch is to be installed on the filter.

Accessory/Option

Model	ZFA100	ZFA200	Note
Bracket assembly	BP-1H-1A	BP-1H-2A	With Bolt, Nut, Washer
Bracket for manifold (1 to 10 stations)	ZZFA1- ^{Stations}	ZZFA2- ^{Stations}	With Bracket, Connection bolt, Nut, Washer, each 2 pcs.

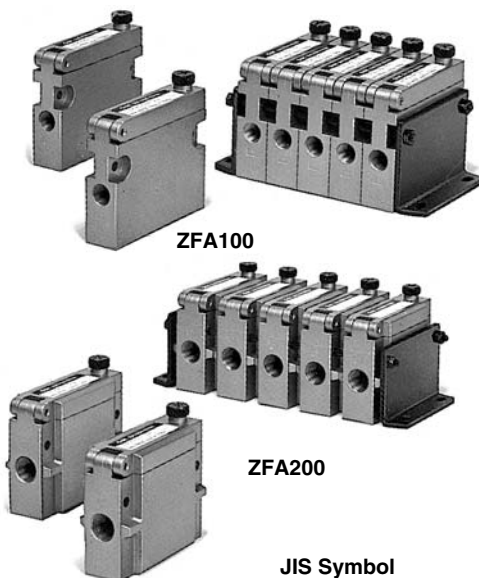
Principal Parts Material

Description	Material
Cover	Zinc die-casted
Case	Aluminum die-casted
Gasket/Seal	NBR
Element	Polyester, ABS

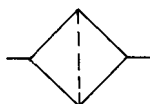
Element Part No.

Part no.	Applicable filter model	Element size (mm)
EJ001H-030N	ZFA100	43 x 42 x 12
EJ101H-030N	ZFA200	43 x 40 x 22

How to Order



JIS Symbol



ZFA 100 - 01

Air suction filter

Type
(Recommended flow rate)

100	50 ℓ/min (ANR)
200	200 ℓ/min (ANR)

Thread type

Nil	Rc
T	NPTF
F	G

Bracket

Nil	None
L	With bracket (1 pc. on the left)
R	With bracket (1 pc. on the right)

* L or R shows the left or right of the filter IN when viewed from front.

Port size

01	1/8 ^B (ZFA100)
02	1/4 ^B (ZFA200)

How to Order Manifold

Indicate both the symbols for air suction filter and bracket for manifold.

Example: In case of 6 stations of air suction filter ZFA (single)

ZFA100-01..... 6 pcs.

(Brackets for 6 stations)*

ZZFA1-06 1 pc.

* Both left and right brackets.

ZA

ZX

ZR

ZM

ZMA

ZQ

ZH

ZU

ZL

ZY□

ZF□

ZP□

SP

ZCUK

AMJ

AMV

AEP

HEP

Related Equipment