

A1019 / 1144 / 1137 / 1138 / 1126 series

# Air filter

Filtration rating 5µm

• Port size: Rc1/8 to Rc2

JIS symbol



CAD DATA AVAILABLE.

## Specifications

Descriptions	NO automatic drain with manual cock air filter										
	A1019-1C / 2C	1144-2C / 3C-E	1144-2C / 3C-EJ	1137-2C / 3C / 4C / 6C-E	1138-6C / 8C-E	1126-10C / 12C / 16C-E	1144-2C / 3C-FJ	1137-2C / 3C / 4C / 6C-F	1138-6C / 8C-F	1126-10C / 12C / 16C-F	
Appearance	<p>• A1019      • 1144      • 1137      • 1138      • 1126</p>										
Working fluid	Compressed air										
Max. working pressure	MPa	1.0									
Withstanding pressure	MPa	1.5									
Fluid temperature (ambient temperature)	°C	5 to 65									
Filtration rating	µm	5									
Port size	Rc	1/8, 1/4	1/4, 3/8	1/4, 3/8	1/4, 3/8 1/2, 3/4	3/4, 1	1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> 2	1/4, 3/8	1/4, 3/8 1/2, 3/4	3/4, 1	1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> 2
Product mass	kg	0.1	0.5	0.5	1.1	2.2	7.3	0.6	1.2	2.3	7.4
Bowl guard		Custom order	Provided as standard								

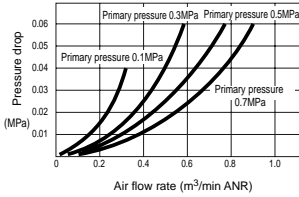
Note 1: Min. working pressure of with manual cock N.O. automatic drain (option F) is 0.1MPa.

Note 2: For piston drain (D), this product should be used with 0.1MPa and over, while not be used in any device generating impacts.

### Flow characteristics

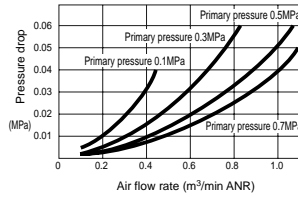
• A1019-1C

Rc1/8



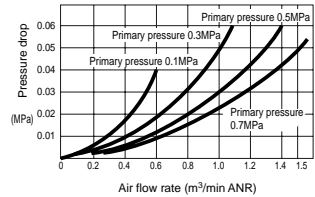
• A1019-2C

Rc1/4



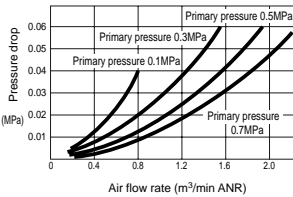
• 1144-2C

Rc1/4



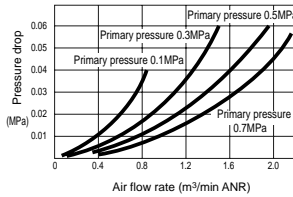
• 1144-3C

Rc3/8



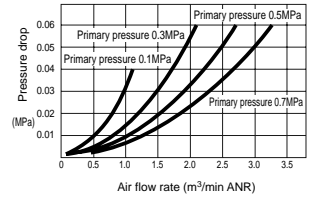
• 1137-2C

Rc1/4



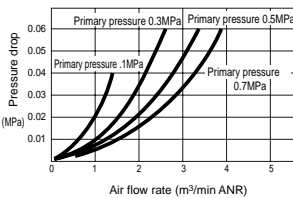
• 1137-3C

Rc3/8



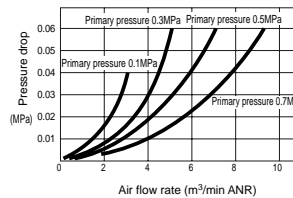
• 1137-4 / 6C

Rc1/2, 3/4



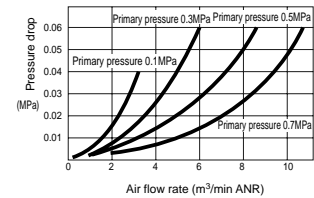
• 1138-6C

Rc3/4



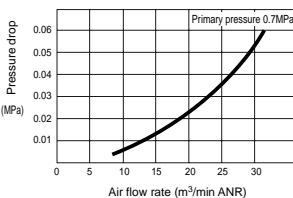
• 1138-8C

Rc1



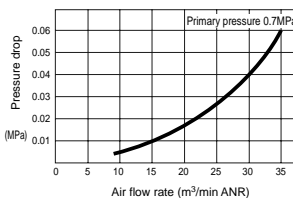
• 1126-10C

Rc1 1/4



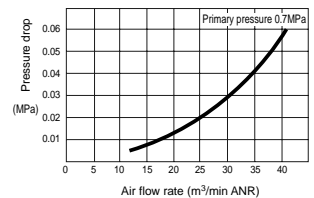
• 1126-12C

Rc1 1/2



• 1126-16C

Rc2



Refrigerating type dryer
Desiccant type dryer
High polymer membrane dryer
Air filter
Automatic drain other
F.R.L (Module)
F.R.L (Separate)
Small F.R.
Precise R.
Electro pneumatic R.
Auxiliary
Flow control valve
Silencer
Check valve / others
Joint / tube
Valve
Vacuum F.
Vacuum R.
Vacuum generator
Vacuum auxiliary / pad
Mechanical pressure SW
Electronic pressure SW
Electronic dif. pres. SW
Sealing / close contact conf. SW
Pressure SW for coolant
Flow sensor for air
Total air system

Water cooling refrigerator
Flow sensor for water

F.R.L. unit  
Air filter

# Air Filter Series

## How to order



**A** Model

**B** Port size  
Note 1

**C** Option  
Note 2  
Note 3  
Note 4

[Example of model number]

**1137-2C-EZXB**

Model: Air filter

**A** Model : Standard type

**B** Port size : Rc1/4

**C** Option : Flexible drain, nylon bowl, element 3  $\mu\text{m}$ , bracket attached

### Note on model No. selection

Note 1: If NPT port is required, do not indicate nominal size C. (E.g.) A1019-1

Note 2: Drainage "E" and bowl material "M" or "MG" can not be combined. However, these options can be combined for 1138 and 1126.

Note 3: An automatic drain exhausts is drain automatically in no pressurized state during night time, etc. NO automatic drain "F" is recommended for manual cock, however, if the flow rate is small in the circuit, NC automatic drain with manual cock "F1" can be selected.

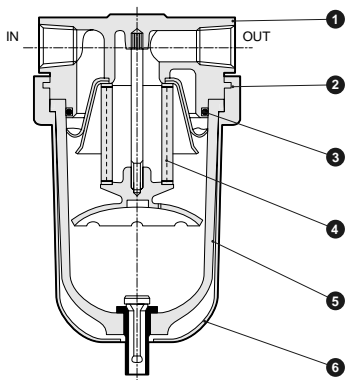
Note 4: Refer to Page 426 to 427 for attached "B" bracket

Note 5: Refer to Page 394 for max. flow rate for option "Y".

A Model					
Miniature	Compact	Compact	Standard	Large	Large bore size type
A1019	1144	1144-J	1137	1138	1126

Symbol	Descriptions					
<b>B Port size</b>						
1C	Rc1/8	●				
2C	Rc1/4	●	●	●	●	
3C	Rc3/8		●	●	●	
4C	Rc1/2				●	
6C	Rc3/4				●	
8C	Rc1					●
10C	Rc1 1/4					●
12C	Rc1 1/2					●
16C	Rc2					●
<b>C Option</b>						
Drainage	Blank	Manual cock		●	●	●
	Blank	With tire valve	●			
	E	Flexible drain		●	●	●
	F	NO automatic drain with manual cock			●	●
	D	Piston drain	●			
Bowl	J	Jumbo bowl			Provided as standard	
	Blank	Polycarbonate bowl	●	●	●	●
	Z	Nylon bowl	●	●	●	●
	M	Metal bowl	●	●	●	●
	MG	Metal bowl with gauge		●	●	●
Element	Blank	5 $\mu\text{m}$	●	●	●	●
	X	3 $\mu\text{m}$		●	●	●
	Y	0.3 $\mu\text{m}$		●	●	●
	Aux.	B	Bracket	●	●	●

## Internal structure and parts list



No.	Part name	Material				
		A1019	1144	1137	1138	1126
1	Cover	Zinc die casting				Aluminum die casting
2	Clamp ring	Zinc die casting				
3	O ring	Special nitrile rubber				
4	Element	5 $\mu\text{m}$	Polypropylene fiber			
		3 $\mu\text{m}$	—	Cotton		
		0.3 $\mu\text{m}$	—	Cotton / filter paper		
5	Bowl	Polycarbonate resin				
6	Bowl guard	—	Steel			

## Repair parts list

No.	Part name	Model no.					
		A1019	1144	1137	1138	1126	
4	Element	5 $\mu\text{m}$	A1019-ELEMENT	1144-ELEMENT	1137-ELEMENT	1138-ELEMENT	1126-ELEMENT
		3 $\mu\text{m}$	—	ELEMENT-X	ELEMENT-X	ELEMENT-X	ELEMENT-X
		0.3 $\mu\text{m}$	—	ELEMENT-Y	ELEMENT-Y	ELEMENT-Y	ELEMENT-Y
			—	1144-ELEMENT	1137-ELEMENT	1138-ELEMENT	1126-ELEMENT