

Discontinue

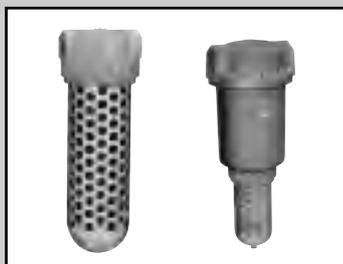
1237/1238/1226/1226J Series

Micro alescer / odor naught type (odor removing)

Absorbing odor particles to achieve odorless compressed air.

● Port size: Rc1/4 to Rc 2

JIS symbol



- Refrigerating type dryer
- Desiccant type dryer
- High polymer membrane dryer
- Air filter
- Auto. drain / others
- F.R.L. (Module unit)
- F.R.L. (Separate)
- Compact F.R.
- Precise regulator
- F.R.L. (Related products)
- Clean F.R.
- Electro pneumatic regulator
- Air booster
- Speed control valve
- Silencer
- Check valve / others
- Joint / tube
- Vacuum filter
- Vacuum regulator
- Suction plate
- Magnetic spring buffer
- Mechanical pressure SW
- Electronic pressure SW
- Contact / close contact cont. SW
- Air sensor
- Pressure SW for coolant
- Small flow sensor
- Small flow controller
- Flow sensor for air
- Flow sensor for water
- Total air system
- Total air system (Gamma)

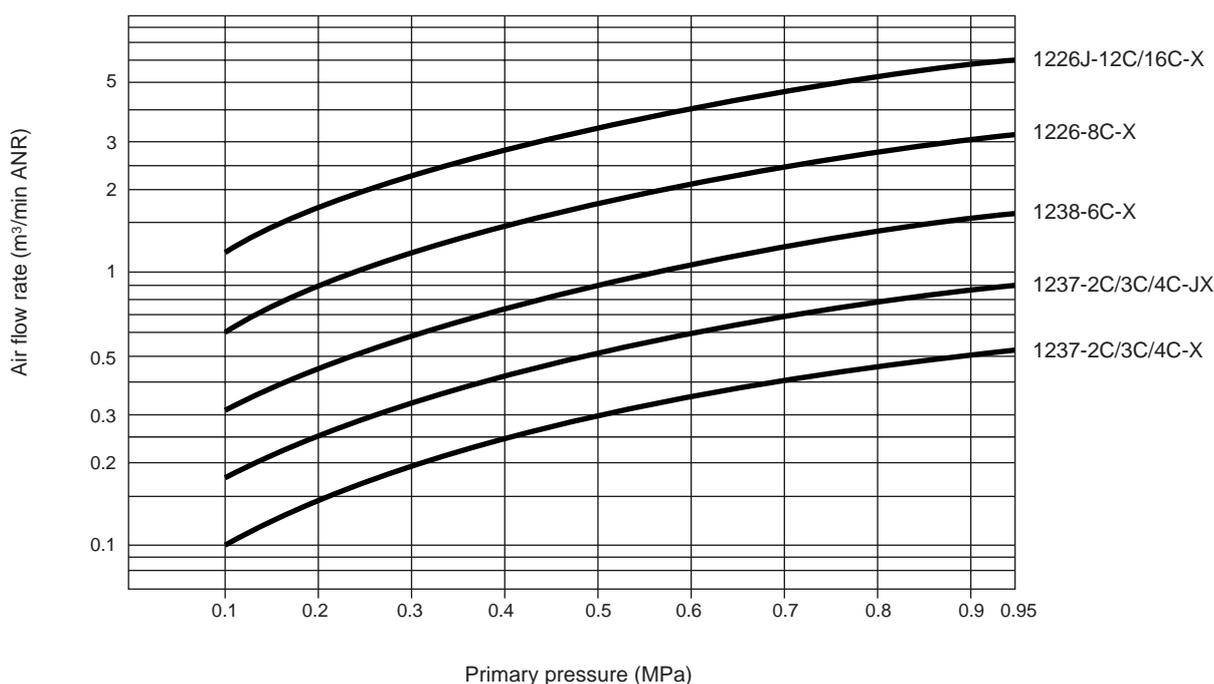
Specifications

Descriptions	Discontinued				
	1237-2C/3C/4C-X	1237-2C/3C/4C-JX	1238-6C-X	1226-8C-X	1226J-12C/16C-X
Appearance					
Working fluid	Compressed air				
Max. working pressure MPa	1.0				
Withstanding pressure MPa	1.5				
Maximum inlet air temperature °C	30				
Maximum flow rate m ³ /min. (ANR)	0.42	0.71	1.27	2.49	4.8
Port size Rc	1/4	1/4, 3/8, 1/2	3/4	1	1/2, 2
Product weight kg	1.4	1.5	2.5	8.2	8.5
Mantle quantity	1	1	1	1	1
Mantle assembly model no. (Set of mantle and O ring for sealing or gasket)	1237-MANTLE -ASSY-X	1237-MANTLE -ASSY-JX	1238-MANTLE -ASSY-X	1226-MANTLE -ASSY-X	1226J-MANTLE -ASSY-X

Note 1: Recommended maximum flow rate is the atmospheric conversion value where inlet air pressure is 0.7MPa and inlet pressure drop is 0.01MPa.

Note 2: Mantle assembly number shows the part combining discrete material and O ring or gasket (parts list (6) on page 573).

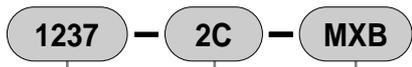
Flow characteristic (max. flow rate)



Micro alescer odor naught type
F.R.L. unit

Air Filter Series

How to order



A Model no.

B Port size
Note 1

C Option
Note 2

Note on model no. selection
 Note 1: If NPT thread is required, do not indicate nominal size C. (E.g.) 1237-2-X
 Note 2: Refer to page 608 and 609 for attachment "B" bracket.

<Example of model number>

1237-2C-MXB

Model: Micro alescerc /

odor naught type (odor removing)

B Port size: Rc 1/4

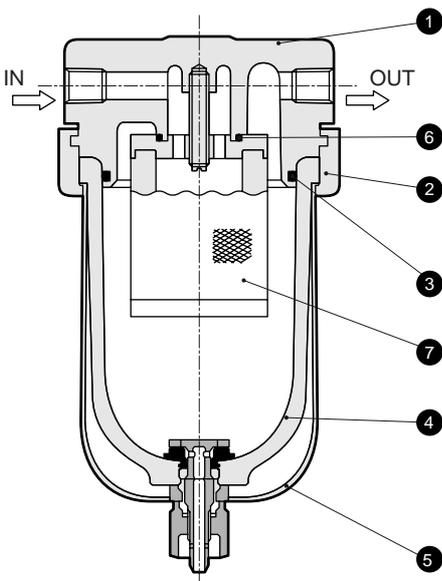
C Option: Metal bowl, element 3μ m, bracket attached

A Model no.				
Standard		Large	Large bore size	Large bore size
1237-X	1237-JX	1238-X	1226-X	1226-JX

Symbol	Descriptions					
B Port size						
2C	Rc1/4	●	●			
3C	Rc3/8	●	●			
4C	Rc1/2	●	●			
6C	Rc3/4			●		
8C	Rc1				●	
12C	Rc1 1/2					●
16C	Rc2					●

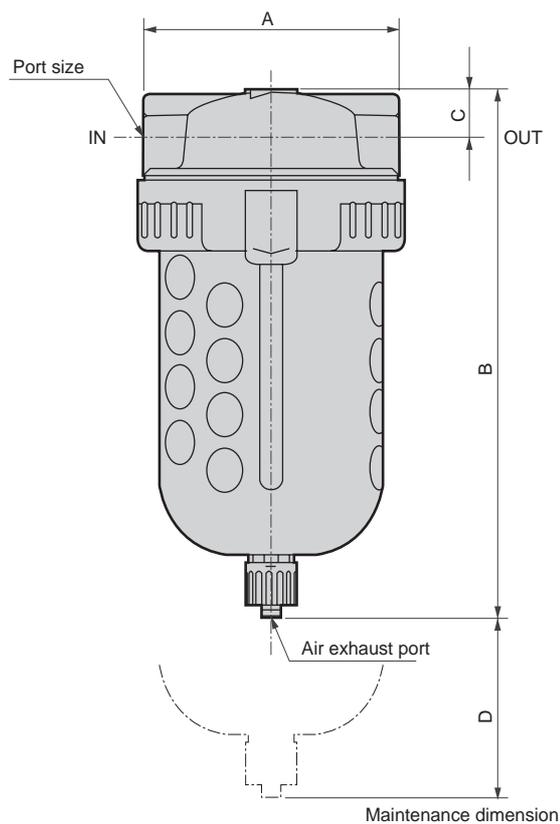
C Option							
Drainage	Blank	Manual cock	●	●	●	●	●
Bowl	J	Jumbo bowl		Provided			
Bowl material	Blank	Polycarbonate bowl	●	●	●	●	●
	Z	Nylon bowl	●			●	●
	M	Metal bowl	●	●	●	●	●
	MG	Metal bowl with gauge	●	●	●	●	●
Element	X	Odor naught type	Provided as standard				
Attachment	Blank	Not attached	●	●	●	●	●
	B	Bracket	●	●			

Internal structure and parts list



No.	Part name	Material
1	Guard	Zinc alloy die-casting
2	Clamp ring	Zinc alloy die-casting
3	O ring	Special nitrile rubber
4	Bowl	Polycarbonate resin
5	Bowl guard	Steel
6	O ring or gasket	Nitrile rubber
7	Mantle	-

Dimensions



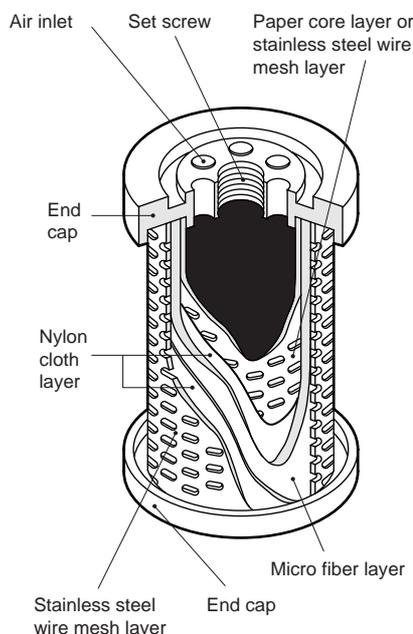
Model no.	Port size	A	B		C	D
Combination option			-	M		
1237-2C/3C/4C-X	Rc1/4, 3/8, 1/2	92	186	170	17	90
1237-2C/3C/4C-JX	Rc1/4, 3/8, 1/2	92	267	252.5	17	160
1238-6C-X	Rc3/4	118	365	351	25.5	200
1226-8C-X	Rc1	203	529	517	48	250
1226J-12C/16C-X	Rc1 1/2, 2	203	529	517	48	250

Note 1: Nylon tube with ϕ 5.7 to 6.0 can be directly connected to the air port of manual cock type.

Note 2: Air exhaust port of metal bowl has a petcock (thumbscrew), so can not be directly connected.

Note 3: Refer to pages 608 to 609 for dimensions of bracket.

Internal structure of mantle



If a lubrication type air compressor is used, oil in air compressor will turn into aerosol or vapor by heat. 99% of oil grains are present as aerosol while remaining is vapor. Aerosol like oil grains is removed until 0.1PPMw/w by micro alescerc air filter / micro naught type where the inlet air temperature is 30°C, however, oil grains vapor can not be removed.

The vapor has turned into 0.002 to 0.0003 μ m of gas molecules, so this can not be captured mechanically.

Activated charcoal is integrated in the micro fiber layer of micro alescerc air filter / odor naught type to capture the vapor by adsorption.

Activated charcoal is impregnated to glass fiber in micro fiber layer to absorb the vapor passing through a micro fiber layer. Activated charcoal is formatted by 75 μ m of powdered activated charcoal, this is covered by nylon cloth layer to prevent entrainment by air flow.

Generally, odor is particle as big as gas molecules, and this can be removed by physical adsorption or chemical adsorption. Activated charcoal is hydrophobic adsorbent, this allows to remove odor only with putting air through activated charcoal without effected by vapor in compressed air.

A lot of cracked gas odor (aromatic hydrocarbon) other than oil odor contained in the compressed air, and these cracked gas odor can be also removed.

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Micro alescerc odor naught type F.R.L. unit