

Air filter

# 1138/1126 Series

Filtration 5  $\mu$ m

● Port size: Rc  $3/4$  to Rc2

JIS symbol



## Specifications

Descriptions	1138-6C/8C-E	1126-10C/12C/16C-E	NO auto-drain air filter with manual cock	
			1138-6C/8C-F	1126-10C/12C/16C-F
Working fluid	Compressed air			
Max. working pressure	MPa	1.0 ( $\approx$ 150 psi, 10 bar)		
Proof pressure	MPa	1.5 ( $\approx$ 220 psi, 15 bar)		
Ambient / fluid temperatures	$^{\circ}$ C	5 (41 $^{\circ}$ F) to 65 (149 $^{\circ}$ F)		
Filtration rating	$\mu$ m	5		
Port size	Rc	$3/4, 1$	$1 1/4, 1 1/2, 2$	$3/4, 1$ $1 1/4, 1 1/2, 2$
Weight	kg	2.3	7.4	2.3      7.4
Bowl guard	Standard equipment			

\*1: Min. working pressure of N.O. auto-drain with manual cock (option F) is 0.1 MPa.

## Option weight

\* Add to the weight of the standard accessories.

Unit: kg

Code	Drain discharge		Bowl material		
	E	F	Z	M	MG
1138	0	0.02	-0.025	0	0.17
1126	0	0.02	-0.025	0	0.17

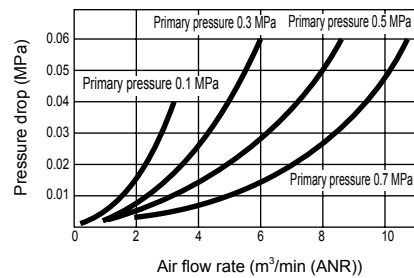
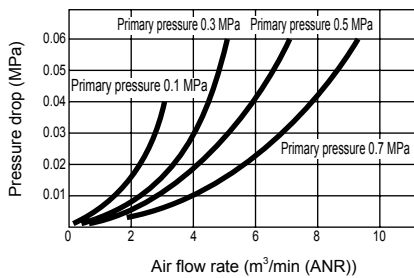
## Flow characteristics

● 1138-6C

Rc  $3/4$

● 1138-8C

Rc1



● 1126-10C

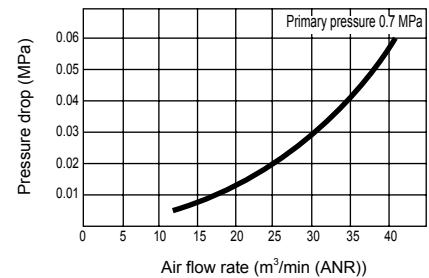
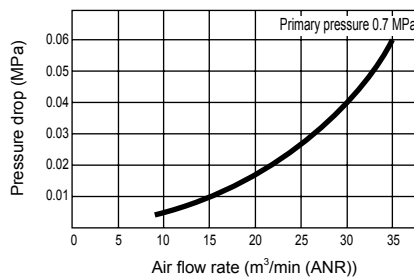
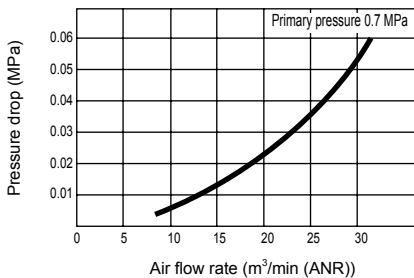
Rc1  $1/4$

● 1126-12C

Rc1  $1/2$

● 1126-16C

Rc2



### How to order



**A** Model No.

**B** Port size  
\*1

**C** Option  
\*2  
\*3  
\*5

[Example of model No.]

### 1138-6C-EZX

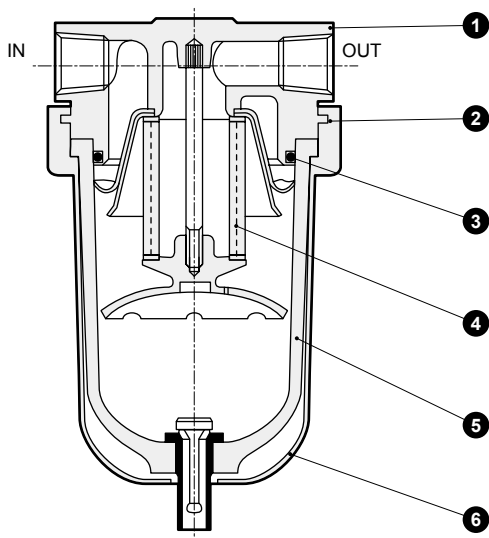
Model: Air filter

- A** Model No.: Large
- B** Port size: Rc <sup>3</sup>/<sub>4</sub>
- C** Option: Flexible drain, nylon bowl, element 3 μm

### ⚠ Precautions for model No. selection

- \*1 : If port size NPT thread is required, do not indicate nominal size C. (Example) 1138-6
- \*2 : For auto-drain, the NO auto-drain with manual cock "F" (discharges drainage automatically when no pressure is applied such as nighttime) is recommended. However, the NC auto-drain with manual cock "F1" can be selected for a low flow rate air circuit.
- \*3 : Refer to page 376 for max. processing flow rate when option "Y" is selected.
- \*4 : Copper and PTFE free as standard.
- \*5 : Refer to page 406 for the auto-drain usage conditions.

### Internal structure and parts list



		<b>A Model No.</b>		
		Large	Large bore	
		1138	1126	
Code	Content			
<b>B Port size</b>				
<b>6C</b>	Rc <sup>3</sup> / <sub>4</sub>	●		
<b>8C</b>	Rc1	●		
<b>10C</b>	Rc1 <sup>1</sup> / <sub>4</sub>		●	
<b>12C</b>	Rc1 <sup>1</sup> / <sub>2</sub>		●	
<b>16C</b>	Rc2		●	
<b>C Option</b>				
Drain discharge	<b>Blank</b>	Manual cock	●	●
	<b>E</b>	Flexible drain	●	●
	<b>F</b>	NO auto-drain with manual cock (exhaust when not pressurized)	●	●
Bowl material	<b>Blank</b>	Polycarbonate bowl	●	●
	<b>Z</b>	Nylon bowl	●	●
	<b>M</b>	Metal bowl	●	●
	<b>MG</b>	Metal bowl with gauge	●	●
Element	<b>Blank</b>	5 μm	●	●
	<b>X</b>	3 μm	●	●
	<b>Y</b>	0.3 μm	●	●

No.	Part name	Material	
		1138	1126
1	Cover	Zinc alloy die-casting	Aluminum alloy die-casting
2	Clamp ring	Zinc alloy die-casting	
3	O-ring	Special nitrile rubber	
4	Element	5 μm	Polypropylene fiber
		3 μm	Cotton
		0.3 μm	Cotton, filter paper
5	Bowl	Polycarbonate resin	
6	Bowl guard	Steel	

### Repair parts list

No.	Part name	Model No.		
		1138	1126	
4	Element	5 μm	1138-ELEMENT	1126-ELEMENT
		3 μm	1138-ELEMENT-X	1126-ELEMENT-X
		0.3 μm	1138-ELEMENT-Y	1126-ELEMENT-Y

F.R.L  
F (Filtr)  
R (Reg)  
L (Lub)  
PresSW  
Shutoff  
SlowStart  
FimResistFR  
Oil-ProhR  
MedPresFR  
No Cu/  
PTFE FRL  
Outdrs FR  
F.R.L  
(Related)  
CompFRL  
LgFRL  
PrecsR  
VacF/R  
Clean FR  
ElecPneuR  
AirBoost  
SpdContr  
Silncr  
CheckV/  
other  
Jnt/tube  
AirUnt  
PrecsCompn  
Mech/  
ElecPresSw  
ContactSW  
AirSens  
PresSW  
Cool  
AirFloSens/  
Contr  
WaterRISens  
TotAirSys  
(Total Air)  
TotAirSys  
(Gamma)  
RefrDry  
DesicDry  
HiPolymDry  
MainFiltr  
Dischrg  
etc  
Ending

# 1138/1126 Series

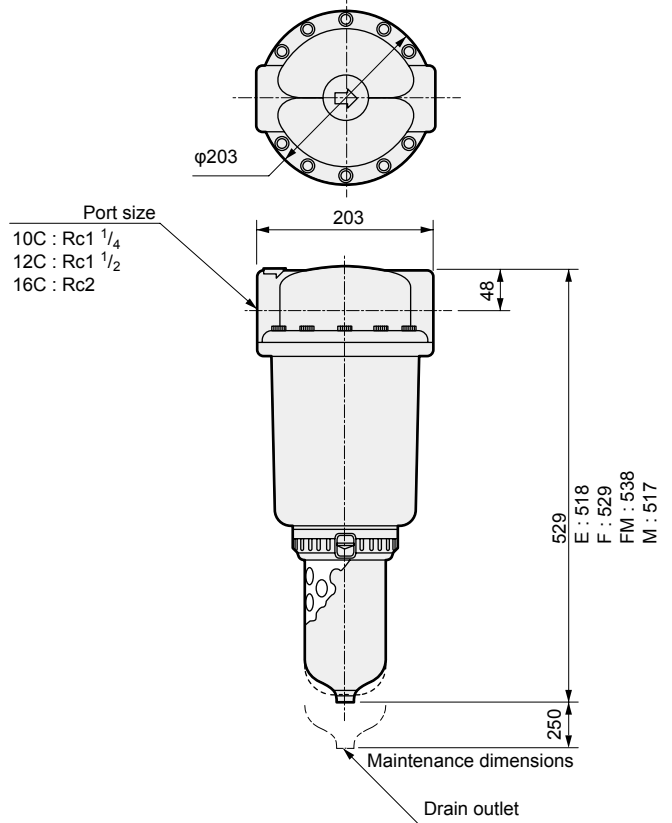
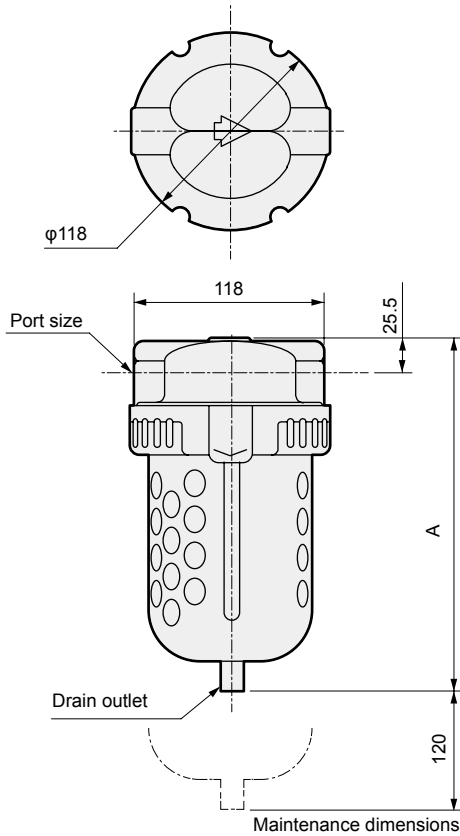


## Dimensions

- F.R.L
- F (Filtr)
- R (Reg)
- L (Lub)
- PresSW
- Shutoff
- SlowStart
- FimResistFR
- Oil-ProHR
- MedPresFR
- No Cu/PTFE FRL
- Outdrs FR
- F.R.L (Related)
- CompFRL
- LgFRL**
- PrecsR
- VacF/R
- Clean FR
- ElecPneur
- AirBoost
- SpdContr
- Silncr
- CheckV/other
- Jnt/tube
- AirUnt
- PrecsCompn
- Mech/ElecPresSw
- ContactSW
- AirSens
- PresSW Cool
- AirFloSens/Contr
- WaterRtSens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending

● 1138-6C/8C-E

● 1126-10C/12C/16C



Model No.	A					Port size
	Blank	E	F	M	FM	
1138-6/8C	266	253.5	266	252.5	273	Rc <sup>3</sup> / <sub>4</sub> /1

\*1: A nylon tube with the bore size of φ5.7 to 6.0 can be directly connected to the drain outlet of manual cock.

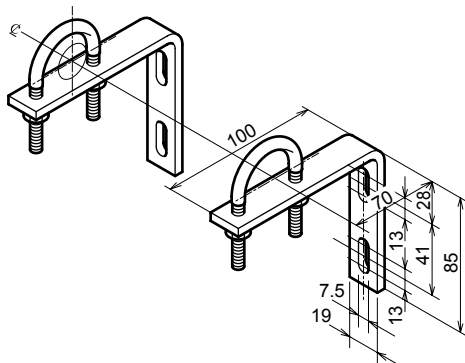
\*2: For metal bowl auto-drain, the drain outlet port size is Rc <sup>1</sup>/<sub>4</sub>.

● Pipe bracket: 6132

· Material: Steel

Zinc plated

Bracket - Pipe bracket thickness 4.5 mm



Model No.	Port size
6132-6C	<sup>3</sup> / <sub>4</sub> B
6132-8C	1B

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# MEMO

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F.R.L

F (Filtr)

R (Reg)

L (Lub)

PresSW

Shutoff

SlowStart

FimResistFR

Oil-ProhR

MedPresFR

No Cu/  
PTFE FRL

Outdrs FR

F.R.L  
(Related)

CompFRL

**LgFRL**

PrecsR

VacF/R

Clean FR

ElecPneuR

AirBoost

SpdContr

Silncr

CheckV/  
other

Jnt/tube

AirUnt

PrecsCompn

Mech/  
ElecPresSw

ContactSW

AirSens

PresSW  
Cool

AirFloSens/  
Contr

WaterRtSens

TotAirSys  
(Total Air)

TotAirSys  
(Gamma)

RefrDry

DesicDry

HiPolymDry

MainFiltr

Dischrg  
etc

Ending

# Heavy duty air filter



Float type special drain (NC: no exhaust when not pressurized) is powerfully used to remove large amounts of drainage. (Filtration 5 μm)

● Port size: Rc 3/4 to Rc2

JIS symbol



## Specifications

Descriptions	A1338-6C/8C	1326-10C/12C/16C
Appearance		
Max. working pressure	MPa 1.0 (≈150 psi, 10 bar)	
Proof pressure	MPa 1.5 (≈220 psi, 15 bar)	
Ambient / fluid temperatures	°C 5 (41°F) to 65 (149°F)	
Min. working pressure	MPa 0.14 (≈20 psi, 1.4 bar)	0.07 (≈10 psi, 0.7 bar)
Filtration rating	μm 5	
Recommended max. flow rate	m <sup>3</sup> /min(ANR) 1.55	5.8
Port size	Rc 3/4, 1	1 1/4, 1 1/2, 2
Weight	kg 2.6	7.5

Note: Recommended max. flow rate is the atmospheric pressure conversion value where the inlet air pressure is 0.7 MPa and the initial pressure drop is 0.002 MPa.

## How to order



● A Model No.

● B Port size  
\*1

● C Option

● A Model No.

Code	Content	A1338	1326
<b>B Port size</b>			
6C	Rc3/4	●	
8C	Rc1	●	
10C	Rc1 1/4		●
12C	Rc1 1/2		●
16C	Rc2		●

<b>C Option</b>				
Element	Option	A1338	1326	
Bowl material	Blank	Polycarbonate bowl	●	●
	Z	Nylon bowl		●
	M	Metal bowl	●	●
	MG	Metal bowl with gauge	●	●
Element	Blank	5 μm	●	●
	X	3 μm	●	●
	Y	0.3 μm	●	●

## ⚠ Precautions for model No. selection

\*1: If port size NPT thread is required, do not indicate nominal size C. (Example) A1338-6

[Example of model No.]

**1326-10C-ZX**

Model: Heavy duty air filter

● B Port size: Rc1 1/4

● C Option: Nylon bowl, element 3 μm

## Option weight

\* Add to the weight of the standard accessories.

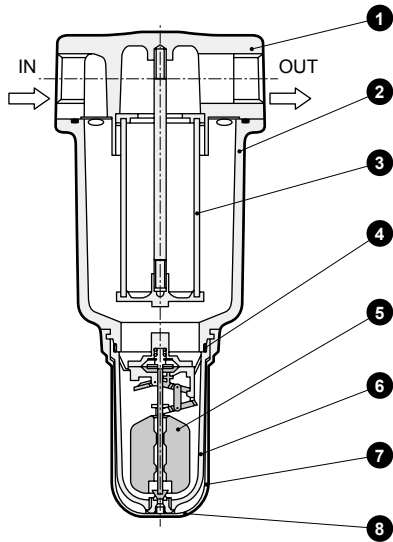
Unit: kg

Code	Bowl material		
	Z	M	MG
A1338		0.7	0.86
1326	-0.025	0	0.17

# A1338/1326 Series

## Internal structure and parts list/dimensions

### Internal structure and parts list



No.	Part name	Material	
		A1338	1326
1	Cover	Zinc alloy die-casting	Aluminum alloy die-casting
2	Body	—	Aluminum alloy die-casting
3	Element	5 $\mu$ m	Polypropylene
		3 $\mu$ m	Cotton
		0.3 $\mu$ m	Cotton, filter paper
4	O-ring	Special nitrile rubber	
5	Drain unit	Polyacetal resin, nitrile rubber, etc.	
6	Bowl	Polycarbonate resin	
7	Bowl guard	Steel	
8	Drain seat assembly	Aluminum alloy, nitrile rubber	

### Repair parts list

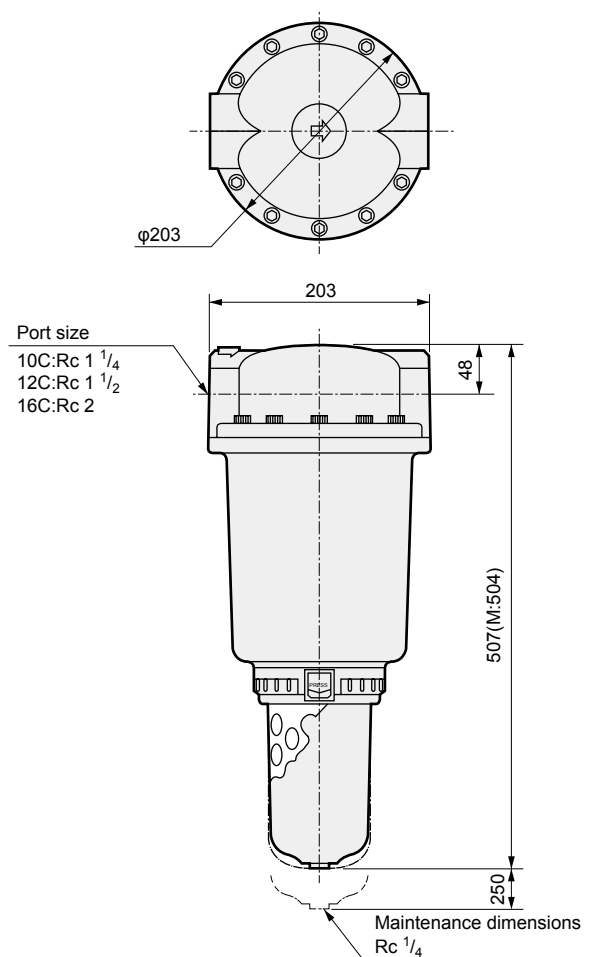
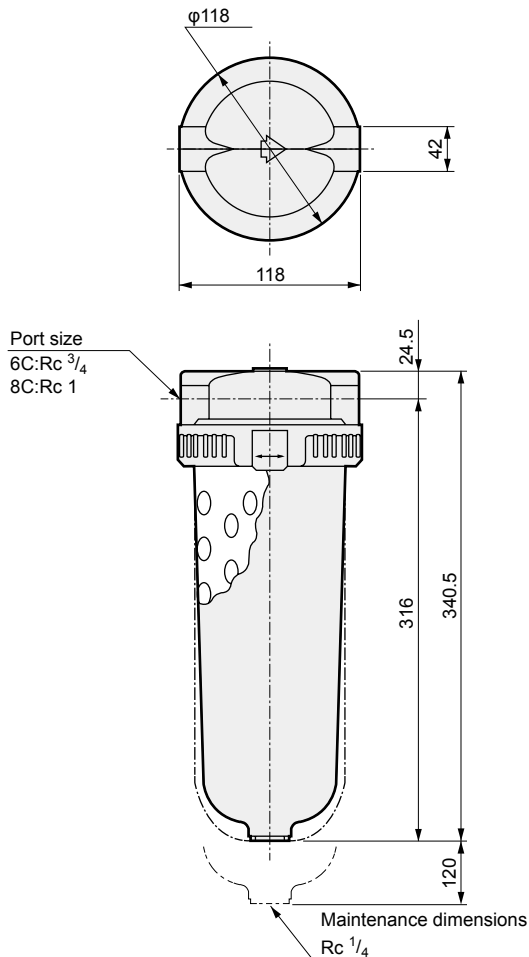
No.	Part name	Model No.		
		A1338	1326	
3	Element	5 $\mu$ m	1138-ELEMENT	1126-ELEMENT
		3 $\mu$ m	1138-ELEMENT-X	1126-ELEMENT-X
		0.3 $\mu$ m	1138-ELEMENT-Y	1126-ELEMENT-Y

### Dimensions



● A1338-6C/8C

● 1326-10C/12C/16C



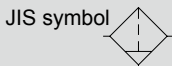
- F.R.L
- F (Filtr)
- R (Reg)
- L (Lub)
- PresSW
- Shutoff
- SlowStart
- FimResistFR
- Oil-ProhR
- MedPresFR
- No Cu/PTFE FRL
- Outdrs FR
- F.R.L (Related)
- CompFRL
- LgFRL
- PrescR
- VacF/R
- Clean FR
- ElecPneuR
- AirBoost
- SpdContr
- Silncr
- CheckV/other
- Jnt/tube
- AirUnt
- PresCompn
- Mech/ElecPresSw
- ContactSW
- AirSens
- PresSW Cool
- AirFloSens/Contr
- WaterRtSens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending

# Submicron air filter (for tar removal)



Removing 99% solids substances such as tars and carbons, etc., up to 0.3 micron.

● Port size: Rc <sup>3</sup>/<sub>4</sub> to Rc2



## Specifications

Descriptions	1138-6C/8C-EY	A1338-6C/8C-Y	1126-10C/12C/16C-EY	1326-10C/12C/16C-Y
Appearance				
Max. working pressure	MPa 1.0 (≈150 psi, 10 bar)			
Proof pressure	MPa 1.5 (≈220 psi, 15 bar)			
Ambient / fluid temperatures	°C 5 (41°F) to 65 (149°F)			
Filtration rating	μm 0.3			
Solid removal ratio	% 99			
Max. flow rate	m <sup>3</sup> /min(ANR) 1.55	m <sup>3</sup> /min(ANR) 1.55	m <sup>3</sup> /min(ANR) 4.9	m <sup>3</sup> /min(ANR) 4.9
Port size	Rc <sup>3</sup> / <sub>4</sub> , 1	Rc <sup>3</sup> / <sub>4</sub> , 1	Rc 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 1 <sup>1</sup> / <sub>2</sub>	Rc 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>4</sub> , 2
Weight	kg 2.2	kg 2.6	kg 7.4	kg 7.5

\*1: Max. flow rate is the atmospheric pressure conversion value where the inlet air pressure is 0.7 MPa and the initial pressure drop is 0.01 MPa.

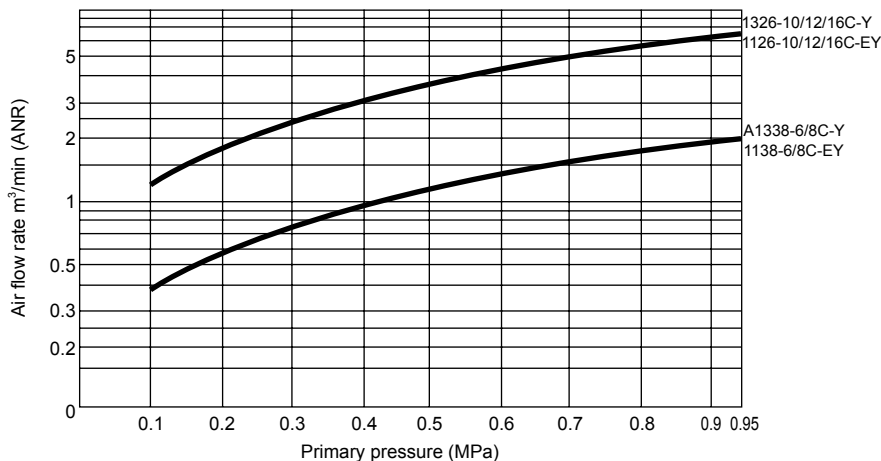
## Option weight

\* Add to the weight of the standard accessories.

Unit: kg

Code	Drain discharge		Bowl material		
	E	F	Z	M	MG
1138-Y	0	0.02	-0.025	0	0.17
A1138-Y				0.7	
1126-Y	0	0.02	-0.025	0	0.17
1326-Y			-0.025	0	0.17

## Flow characteristics (max. processing flow rate)



# 1138/A1338/1126/1326 Series

How to order/internal structure/dimensions

## How to order



**A** Model No.

**B** Port size  
\*1

**C** Option  
\*2  
\*3

### A Model No.

Large	Heavy duty	Large bore	Heavy duty
1138-Y	A1338-Y	1126-Y	1326-Y

Code	Content	1138-Y	A1338-Y	1126-Y	1326-Y
<b>B Port size</b>					
6C	Rc <sup>3</sup> / <sub>4</sub>	●	●		
8C	Rc1	●	●		
10C	Rc1 <sup>1</sup> / <sub>4</sub>			●	●
12C	Rc1 <sup>1</sup> / <sub>2</sub>			●	●
16C	Rc2			●	●

<b>C Option</b>					
<b>Drain discharge</b>	<b>Blank</b>	Manual cock	●		●
	<b>E</b>	Flexible drain	●		●
	<b>F</b>	NO auto-drain with manual cock (exhaust when not pressurized)	●		●
	<b>D</b>	Piston drain			
<b>Bowl</b>	<b>J</b>	Jumbo bowl			
<b>Bowl material</b>	<b>Blank</b>	Polycarbonate bowl	●	●	●
	<b>Z</b>	Nylon bowl	●		●
	<b>M</b>	Metal bowl	●	●	●
	<b>MG</b>	Metal bowl with gauge	●	●	●
<b>Element</b>	<b>Y</b>	0.3 μm	Standard equipment		

## ⚠ Precautions for model No. selection

- \*1 : If port size NPT thread is required, do not indicate nominal size C. (Example) 1138-6
- \*2 : For auto-drain, the NO auto-drain with manual cock "F" (discharges drainage automatically when no pressure is applied such as nighttime) is recommended. However, the NC auto-drain with manual cock "F1" can be selected for a low flow rate air circuit.
- \*3 : Refer to page 406 for the auto-drain usage conditions.

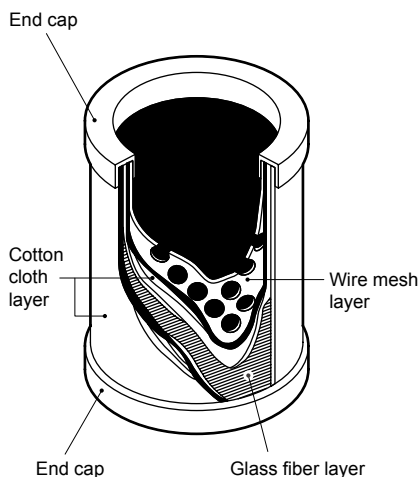
## [Example of model No.]

### 1138-6C-EZY

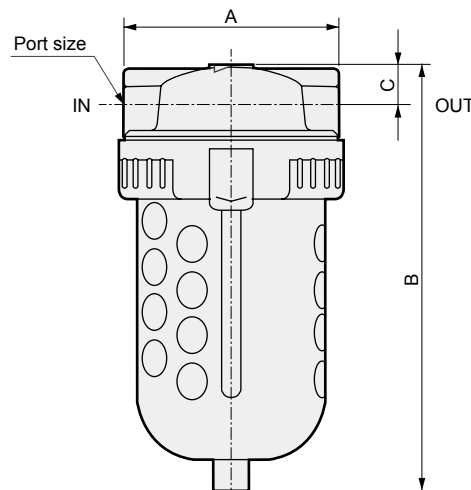
Model: Submicron air filter

- A** Model No.: Large
- B** Port size: Rc <sup>3</sup>/<sub>4</sub>
- C** Option: Flexible drain, nylon bowl, element 0.3 μm

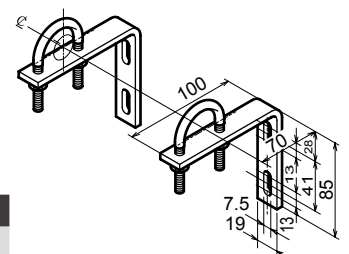
## Y element internal structure



## Dimensions



- Pipe bracket: 6132
- Material: Steel
- Zinc plated
- Bracket - Pipe bracket thickness 4.5 mm



Model No.	Port size	A	B	C
1138-6/8C-EY	Rc <sup>3</sup> / <sub>4</sub> / 1	118	253.5	25.5
A1338-6/8C-Y	Rc <sup>3</sup> / <sub>4</sub> / 1	118	341.5	25.5
1126-10/12/16C-EY	Rc1 <sup>1</sup> / <sub>4</sub> / 1 <sup>1</sup> / <sub>2</sub> / 2	203	518	48
1326-10/12/16C-Y	Rc1 <sup>1</sup> / <sub>4</sub> / 1 <sup>1</sup> / <sub>2</sub> / 2	203	504	48

\*1: A nylon tube with the bore size of φ5.7 to 6.0 can be directly connected to the drain outlet of manual cock.

\*2: For metal bowl auto-drain, the drain outlet port size is Rc <sup>1</sup>/<sub>4</sub>.

Model No.	Port size
6132-6C	<sup>3</sup> / <sub>4</sub> B
6132-8C	1B

- F.R.L
- F (Filtr)
- R (Reg)
- L (Lub)
- PresSW
- Shutoff
- SlowStart
- FimResistFR
- Oil-ProhR
- MedPresFR
- No Cu/PTFE FRL
- Outdrs FR
- F.R.L (Related)
- CompFRL
- LgFRL
- PrecsR
- VacF/R
- Clean FR
- ElecPneuR
- AirBoost
- SpdContr
- Silncr
- CheckV/other
- Jnt/tube
- AirUnt
- PrecsCompn
- Mech/ElecPresSw
- ContactSW
- AirSens
- PresSW Cool
- AirFloSens/Contr
- WaterRtSens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending



Micro alescer/micro naught (oil removal)

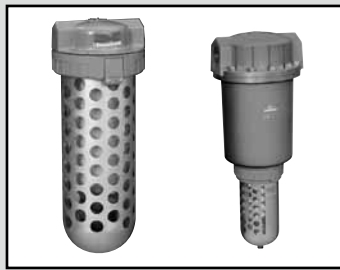
# 1238/1226/1226J Series

Oil content is to be 0.1 PPM w/w or less.

(Measurement/instrumentation and high-grade coating)

● Port size: Rc 3/4 to Rc2

JIS symbol



## Specifications

Descriptions	1238-6C-F1	1226-8C-F1	1226J-12C/16C-F1	
Working fluid	Compressed air			
Max. working pressure	MPa	1.0 (≈150 psi, 10 bar)		
Proof pressure	MPa	1.5 (≈220 psi, 15 bar)		
Ambient / fluid temperatures	°C	5 (41°F) to 54 (129.2°F)		
Oil removal	0.1 PPM w/w (for inlet air temperature 30°C)			
Max. flow rate	m <sup>3</sup> /min(ANR)	1.27	2.49	4.8
Port size	Rc	3/4	1	1 1/2, 2
Weight	kg	2.5	8.2	8.5
Mantle quantity		1	1	1
Mantle assembly model No.		1238-MANTLE	1226-MANTLE	1226J-MANTLE
(A set of mantle and either O-ring for sealing or gasket)		-ASSY	-ASSY	-ASSY

\*1 : Max. flow rate is the atmospheric pressure conversion value where the inlet air pressure is 0.7 MPa and the initial pressure drop is 0.01 MPa.

\*2 : The mantle assembly number indicates the part number that combines the mantle discrete number and O-ring or gasket number (parts list (6) on the following page).

\*3 : Min. working pressure of N.C. auto-drain with manual cock (option "F1") is 0.15 MPa.

## Option weight

\* Add to the weight of the standard accessories. Unit: kg

Code	Drain discharge		Bowl material		
	E	F1	Z	M	MG
1238	0	0.02		0.7	0.86
1226	0	0.02	-0.025	0	0.17
1226J	0	0.02	-0.025	0	0.17

## How to order



**A** Model No.

**B** Port size  
\*1

**C** Option  
\*2  
\*3

[Example of model No.]

### 1238-6C-EM

Model: Micro alescer/  
micro naught (oil removal)

**B** Port size: Rc 3/4

**C** Option: Flexible drain,  
metal bowl

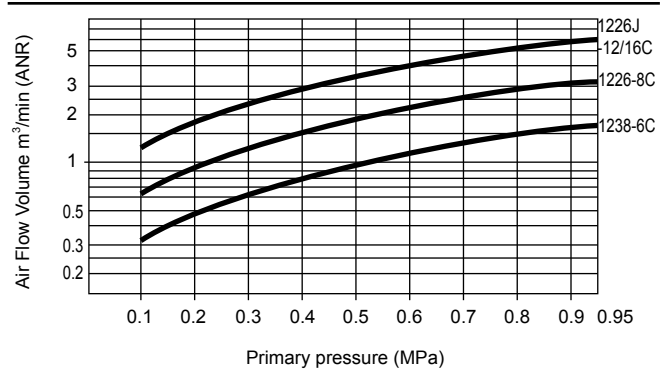
## ⚠ Precautions for model No. selection

\*1 : If port size NPT thread is required, do not indicate nominal size C. (Example) 1238-6

\*2 : For auto-drain, NO auto-drain with manual cock "F" cannot be selected.

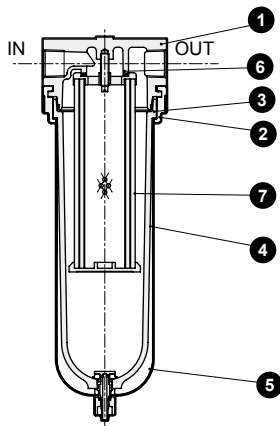
\*3 : Refer to page 406 for the auto-drain usage conditions.

## Flow characteristics



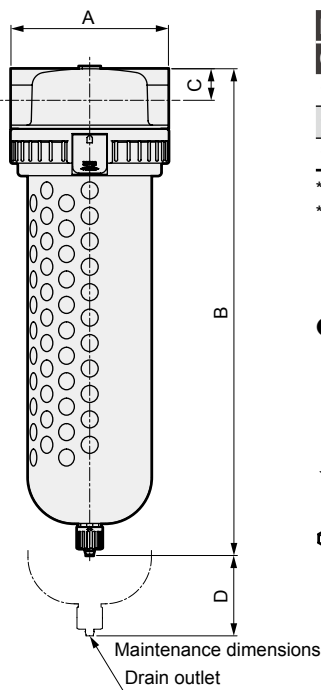
Code	Content	<b>A</b> Model No.			
		Large	Large bore	Large bore	
		1238	1226	1226J	
<b>B</b> Port size					
6C	Rc3/4	●			
8C	Rc1		●		
12C	Rc1 1/2			●	
16C	Rc2			●	
<b>C</b> Option					
Drain discharge	Blank	Manual cock	●	●	●
	E	Flexible drain	●	●	●
	F1	NC auto-drain with manual cock (no exhaust when not pressurized)	●	●	●
Bowl material	Blank	Polycarbonate bowl	●	●	●
	Z	Nylon bowl		●	●
	M	Metal bowl	●	●	●
	MG	Metal bowl with gauge	●	●	●

## Internal structure and parts list



No.	Part name	Material		
		1238	1226	1226J
1	Cover	Zinc alloy die-casting	Aluminum 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	—		

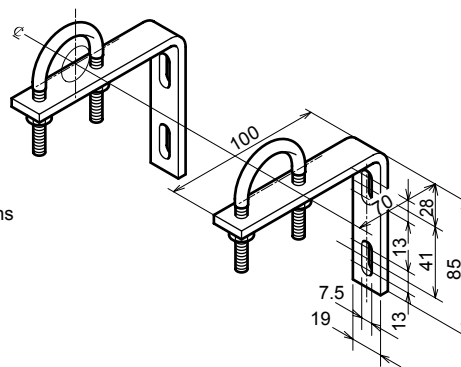
## Dimensions



Model No.	Port size	A		B				C	D
		All models	Blank	F1	E	M	F1M	All models	
1238-6C	Rc <sup>3</sup> / <sub>4</sub>	118	365	365	354.5	351	375	25.5	200
1226-8C	Rc1	203	529	529	518	517	538	48	250
1226J-12C/16C	Rc1 <sup>1</sup> / <sub>2</sub> / 2	203	529	529	518	517	538	48	250

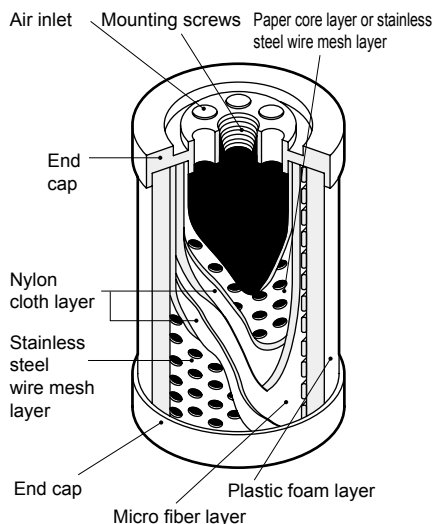
\*1: A nylon tube with the bore size of  $\phi 5.7$  to  $6.0$  can be directly connected to the drain outlet of manual cock.  
 \*2: For metal bowl auto-drain, the drain outlet port size is Rc <sup>1</sup>/<sub>4</sub>.

- Pipe bracket: 6132
- Material: Steel
- Zinc plated
- Bracket - Pipe bracket thickness 4.5 mm



Model No.	Port size
6132-6C	<sup>3</sup> / <sub>4</sub> B
6132-8C	1B

## Internal structure of mantle



99% of oil particles in the compressed air are in the aerosol state. These aerosols (0.8 to 0.01  $\mu\text{m}$  particles) cannot be captured by 3  $\mu\text{m}$ /5  $\mu\text{m}$  elements, or other mechanical methods. Micro alescerc/micro naught is an air filter that removes aerosols effectively. The biggest factor for achieving this efficiency is the micro fiber layer. Borosilicate fibers (glass fibers) are used in the micro fiber layer. The many random fine fibers in this layer capture oil aerosols by direct collision, inertial collision, contacting and adhesion, or diffusion (Brownian motion) and cohesion by diffusion. The oil aerosols then form droplets.

The plastic foam layer on the mantle exterior prevents redispersion through air flow of the large liquid drops which are formed by cohesion of oil particles captured in the micro fiber layer. At the same time, the liquid droplets sink due to gravity in this plastic foam layer.

The micro fiber layer and plastic foam layer capture and cohere oil particles and separate oil in the compressed air.

If sulfur dioxide or chlorine gas is contained in the compressed air, they will enter the plastic foam layer. Also, it will swell due to organic compounds such as hydrocarbons, chlorinated hydrocarbons, ketones, aldehydes, amines, etc. Exercise caution during use.

F.R.L
F (Filtr)
R (Reg)
L (Lub)
PresSW
Shutoff
SlowStart
FimResistFR
Oil-ProhR
MedPresFR
No Cu/PTFE FRL
Outdrs FR
F.R.L (Related)
CompFRL
LgFRL
PrescR
VacF/R
Clean FR
ElecPneuR
AirBoost
SpdContr
Silncr
CheckV/other
Jnt/tube
AirUnt
PrescCompn
Mech/ElecPresSw
ContactSW
AirSens
PresSW Cool
AirFloSens/Contr
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending



1238/1226/1226J Series

# Micro alescer/odor naught (odor removal)

Absorbing odor particles to achieve odorless compressed air.

● Port size: Rc 1/4 to Rc2

JIS symbol



## Specifications

Descriptions	1238-6C-X	1226-8C-X	1226J-12C/16C-X	
Appearance				
Working fluid	Compressed air			
Max. working pressure	MPa	1.0 (≈150 psi, 10 bar)		
Proof pressure	MPa	1.5 (≈220 psi, 15 bar)		
Max. inlet air temperature	°C	30 (86°F)		
Max. flow rate	m <sup>3</sup> /min(ANR)	1.27	2.49	4.8
Port size	Rc	3/4	1	1/2, 2
Weight	kg	2.5	8.2	8.5
Mantle quantity		1	1	1
Mantle assembly model No. (A set of mantle and either O-ring for sealing or gasket)	1238-MANTLE-ASSY-X	1226-MANTLE-ASSY-X	1226J-MANTLE-ASSY-X	

\*1 : Max. flow rate is the atmospheric pressure conversion value where the inlet air pressure is 0.7 MPa and pressure drop is 0.01 MPa.

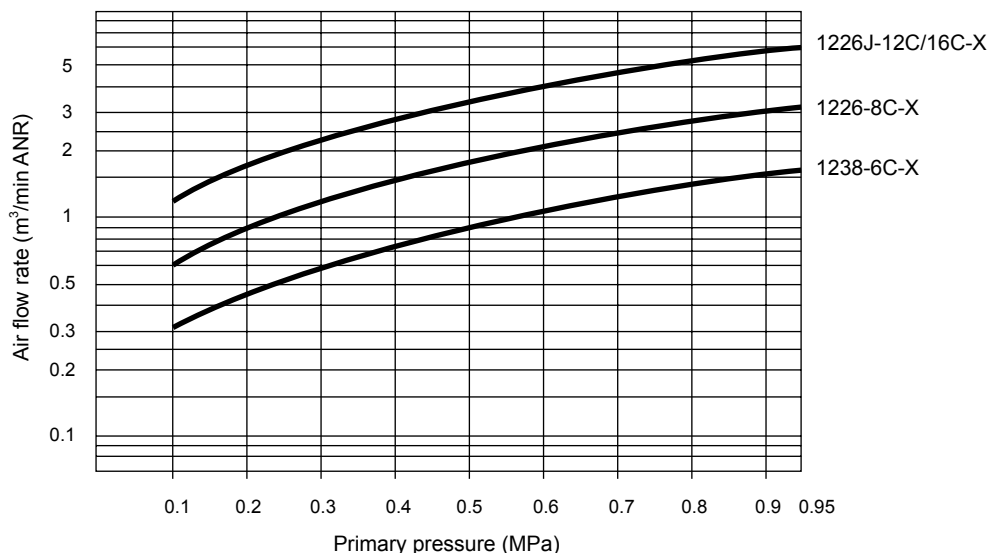
\*2 : The mantle assembly number indicates the part number that combines the mantle discrete number and O-ring or gasket number (parts list (6) on page 381).

## Option weight

\* Add to the weight of the standard accessories. Unit: kg

Code	Bowl material		
	Z	M	MG
1238-X		0.7	0.86
1226-X	-0.025	0	0.17
1226J-X	-0.025	0	0.17

## Flow characteristics (max. processing flow rate)



# 1238/1226/1226J Series

How to order/internal structure and parts list

## How to order



**A** Model No.

**B** Port size  
\*1

**C** Option

### ⚠ Precautions for model No. selection

\*1: If port size NPT thread is required, do not indicate nominal size C. (Example) 1238-6-X

[Example of model No.]

**1238-6C-MX**

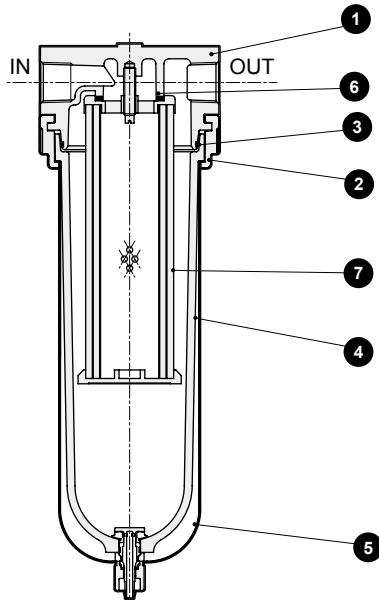
Model: Micro alescer/  
odor naught (odor removal)

**B** Port size: Rc <sup>3</sup>/<sub>4</sub>

**C** Option: Metal bowl

		<b>A Model No.</b>		
		Large	Large bore	Large bore
		1238-X	1226-X	1226J-X
<b>B Port size</b>				
<b>6C</b>	Rc <sup>3</sup> / <sub>4</sub>	●		
<b>8C</b>	Rc1		●	
<b>12C</b>	Rc1 <sup>1</sup> / <sub>2</sub>			●
<b>16C</b>	Rc2			●
<b>C Option</b>				
Drain disch	<b>Blank</b> Manual cock	●	●	●
Bowl material	<b>Blank</b> Polycarbonate bowl	●	●	●
	<b>Z</b> Nylon bowl		●	●
	<b>M</b> Metal bowl	●	●	●
	<b>MG</b> Metal bowl with gauge	●	●	●
Element	<b>X</b> Odor naught	Standard equipment		

## Internal structure and parts list



No.	Part name	Material
1	Cover	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	—

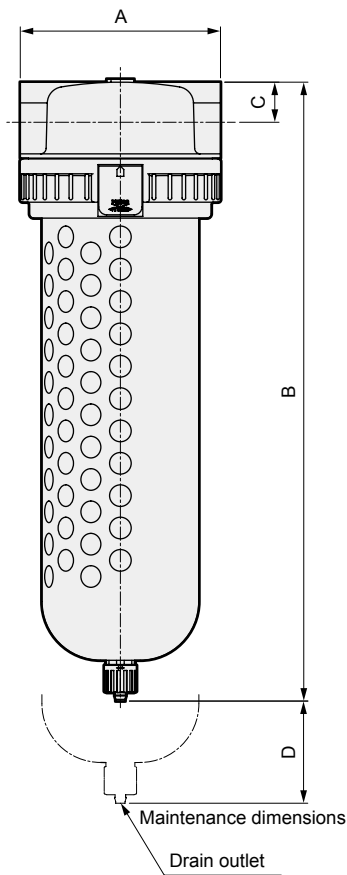
F.R.L
F (Filtr)
R (Reg)
L (Lub)
PresSW
Shutoff
SlowStart
FimResistFR
Oil-ProhR
MedPresFR
No Cu/PTFE FRL
Outdrs FR
F.R.L (Related)
CompFRL
<b>LgFRL</b>
PrescR
VacF/R
Clean FR
ElecPneuR
AirBoost
SpdContr
Silncr
CheckV/other
Jnt/tube
AirUnt
PrescCompn
Mech/ElecPresSw
ContactSW
AirSens
PresSW Cool
AirFloSens/Contr
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

# 1238/1226/1226J Series

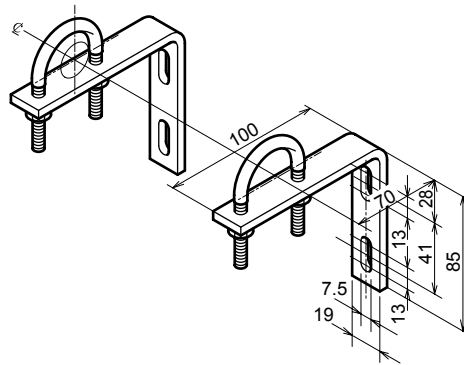


## Dimensions

- F.R.L
- F (Filtr)
- R (Reg)
- L (Lub)
- PresSW
- Shutoff
- SlowStart
- FimResistFR
- Oil-ProhR
- MedPresFR
- No Cu/ PTFE FRL
- Outdrs FR
- F.R.L (Related)
- CompFRL
- LgFRL**
- PrecsR
- VacF/R
- Clean FR
- ElecPneuR
- AirBoost
- SpdContr
- Silncr
- CheckV/ other
- Jnt/tube
- AirUnt
- PrecsCompn
- Mech/ ElecPresSw
- ContactSW
- AirSens
- PresSW Cool
- AirFloSens/ Contr
- WaterRtSens
- TotAirSys (Total Air)
- TotAirSys (Gamma)
- RefrDry
- DesicDry
- HiPolymDry
- MainFiltr
- Dischrg etc
- Ending



● Pipe bracket: 6132  
 Material: Steel  
 Zinc plated  
 Bracket - Pipe bracket thickness 4.5 mm



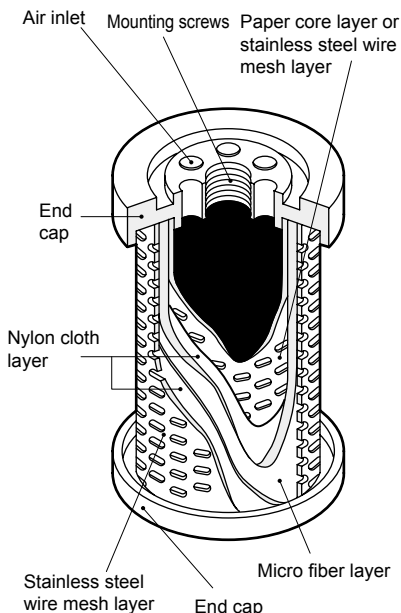
Model No.	Port size
6132-6C	3/4B
6132-8C	1B

Model No.	Port size	A	B	C	D	
1238-6C-X	Rc <sup>3</sup> / <sub>4</sub>	118	365	351	25.5	200
1226-8C-X	Rc1	203	529	517	48	250
1226J-12C/16C-X	Rc1 <sup>1</sup> / <sub>2</sub> / 2	203	529	517	48	250

\*1: A nylon tube with the bore size of  $\phi 5.7$  to  $6.0$  can be directly connected to the air exhaust port of manual cock.

\*2: The air exhaust port of the metal bowl has a cock (thumbscrew), so direct piping is not possible.

## Internal structure of mantle



If a lubrication air compressor is used, oil in the air compressor will turn into aerosol oil particles or vaporized oil particles by heat. 99% of oil particles are in an aerosol state with the remaining in a vapor state. Oil particles in the aerosol state are removed up to 0.1 PPM w/w by the micro alescerc air filter/micro naught when the inlet air temperature is 30°C, however, oil particles in the vapor state cannot be removed. Oil particles in the vapor state are turned into 0.002 to 0.0003  $\mu\text{m}$  gas molecules, so they cannot be captured mechanically. Activated carbon is used in the micro fiber layer of the micro alescerc air filter/odor naught to capture oil particles in the vapor state by suction.

Activated carbon is impregnated to borosilicate fibers (glass fibers) in the micro fiber layer to adsorb oil particles in the vapor state passing through that layer. Activated carbon is in the powdered state with a size of 75  $\mu\text{m}$  and is covered by a nylon cloth layer to prevent air flow entry. Generally, odors are particles with the size of gas molecules and can be removed by physical adsorption or chemical adsorption. Activated carbon is a hydrophobic adsorbent. Because of this, odors can be removed only by passing air through activated carbon without affected by water vapor in the compressed air. A lot of cracked gas odors (aromatic hydrocarbon) along with oil odors are contained in the compressed air, and these cracked gas odors can be also removed.