

Siloxane/Ozone Remover SFX Series



Protect equipment from invisible siloxane and ozone

Removal rate

99%
or more



New

High flow type

Are you having trouble with this?

Problems caused by Siloxane

Conduction failure of electrical contacts, motors, sensors, etc.

Clouding of transparent parts of optical products due to gasification



Problems caused by Ozone

Malfunction of equipment due to deterioration of rubber



Substances to be removed

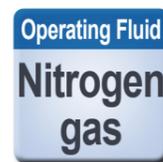
Removes either siloxane or ozone with one unit.



Dedicated model removes 1 type

Operating Fluid

Can be used with compressed air or nitrogen gas under pressurized conditions.



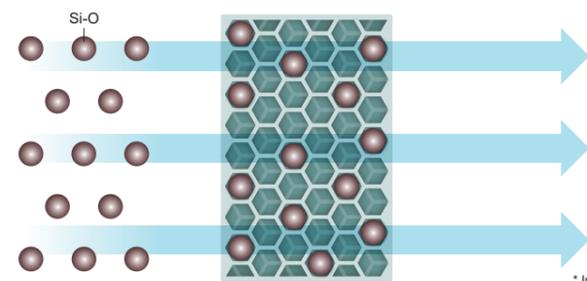
Removal rate

Achieves high removal performance of 99% or more with original activated carbon filter.

Removal rate
**99%
or more**

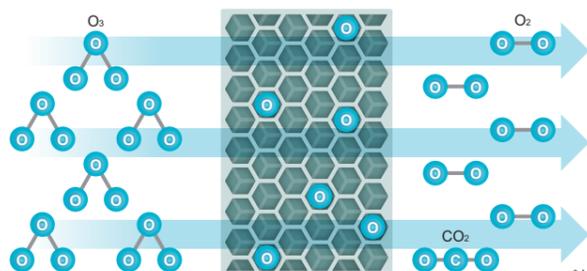


Siloxane adsorption



* Image.

Ozone decomposition



* Image.

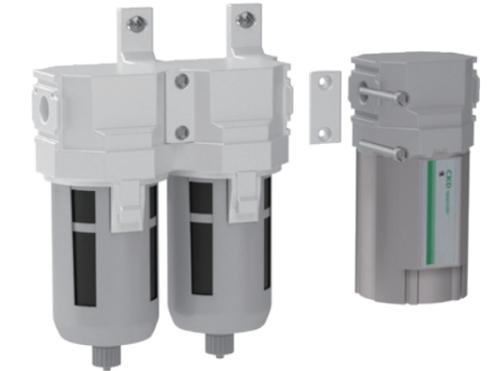
Available in 2 sizes

Selectable from standard and high flow rate types depending on the location of use.



Space saving

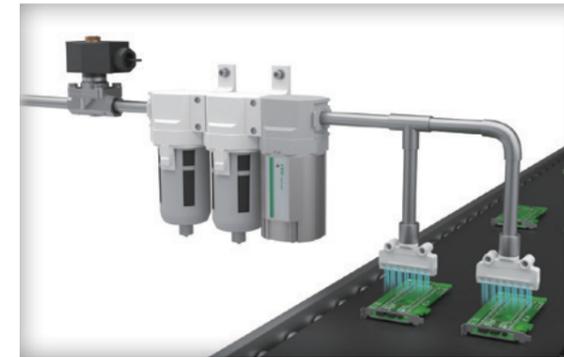
Space saving by module connection with our air preparation components.



Application Examples

Clean air for lines and systems

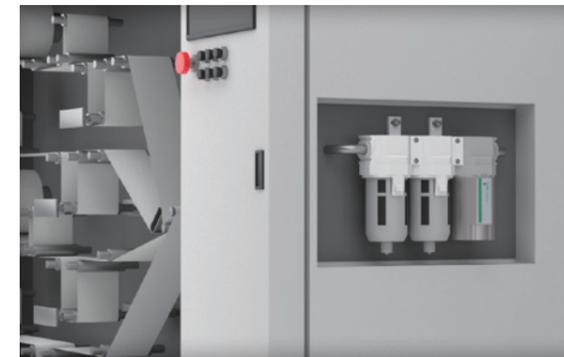
Electronic / Optical Components manufacturing line



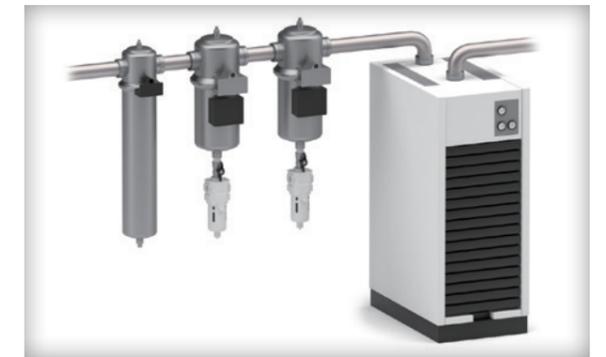
Semiconductor manufacturing system



Rechargeable battery manufacturing system



Main line



System Table

Model No.	Max. processing flow rate (L/min (ANR))		Port size (Rc, NPT, G)*			
	Siloxane	Ozone	1/4	3/8	1/2	2
SFX40	700	560	●	●	●	
SFX90	6300	5000				●

* SFX90 is available with NPT threads only.



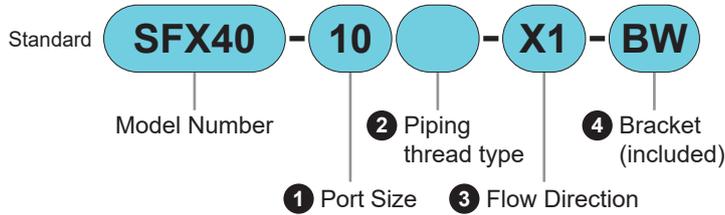
Siloxane/Ozone Remover

SFX Series

● Port size: 1/4 to 2



Model Number Designation



① Port Size

Code	Content
8	1/4
10	3/8
15	1/2

② Piping thread type

Code	Content
Blank	Rc Thread
N	NPT thread
G	G thread

③ Flow Direction

Code	Content
Blank	Standard flow (Left → Right)
X1	Reverse flow (Right → Left)

④ Bracket (included)

Code	Content
Blank	Not included
BW	C-bracket

High Flow Rate



Model Number

Port size Rc2

● Replacement Element Single Unit Model No.

Model Name	Element Model No.
SFX40	SFX40-ELEMENT
SFX90	SFX90-ELEMENT

Note) Remove from the packaging bag just before replacement.

Specifications

Item	SFX40		SFX90	
	Working fluid *1	Compressed air purity class 1:6:1 (ISO8573-1: 2010), nitrogen gas		
Max. working pressure	1.0 MPa			
Proof Pressure	1.5 MPa			
Ambient Temperature/Fluid Temperature	5 to 50°C			
Substances to be removed	Siloxane	Ozone	Siloxane	Ozone
Removal rate *2	99% or more	99% or more *4	99% or more	99% or more *4
Concentration range	0.005 to 1500 µg/L	0.5 ppm or less	0.005 to 1500 µg/L	0.5 ppm or less
Max. processing flow rate *3	700 L/min (ANR)	560 L/min (ANR)	6300 L/min (ANR)	5000 L/min (ANR)
Weight	0.8 kg		5.3 kg	
Element replacement	Guide 1 year *5			

*1 : Install the dryer, filter and oil mist filter on the primary side to remove particles, water and oil.

*2 : The specifications are the performance of the CKD evaluation method. Siloxane specifications are performance of D5 (Decamethylcyclopentasiloxane).

*3 : Use the product within the max. processing flow rate. This value is at primary pressure 0.7 MPa.

*4 : Performance at ozone concentration 0.5 ppm.

*5 : The replacement time is not a guaranteed value. It may be shorter than the replacement period depending on the product usage environment and usage conditions.

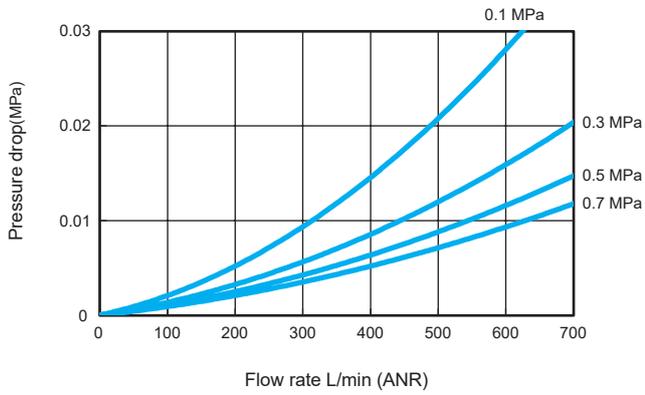
*6 : Siloxane and ozone cannot be removed simultaneously.

*7 : Remove from the packaging bag just before use.

Flow Characteristics

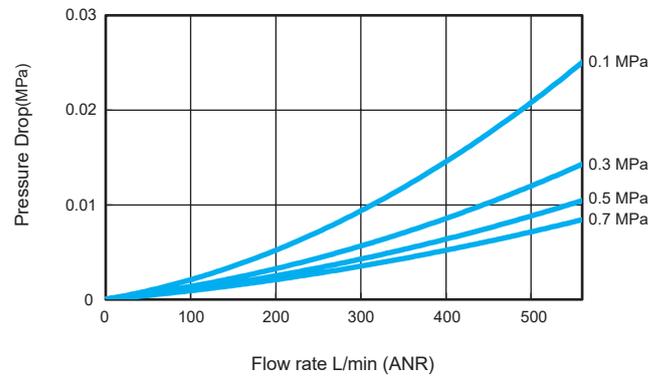
● Siloxane remover SFX40

The results below are not guaranteed values.



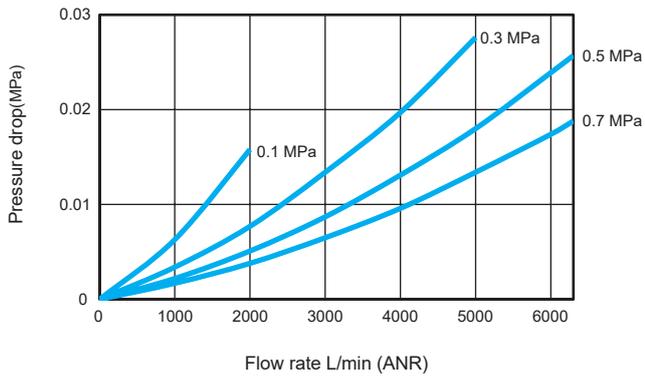
● Ozone remover SFX40

The results below are not guaranteed values.



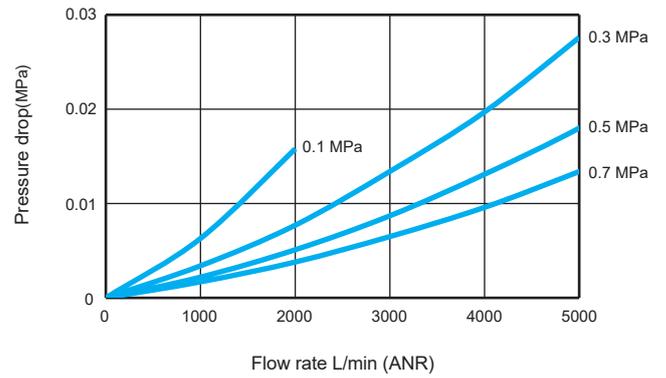
● Siloxane remover SFX90

The results below are not guaranteed values.



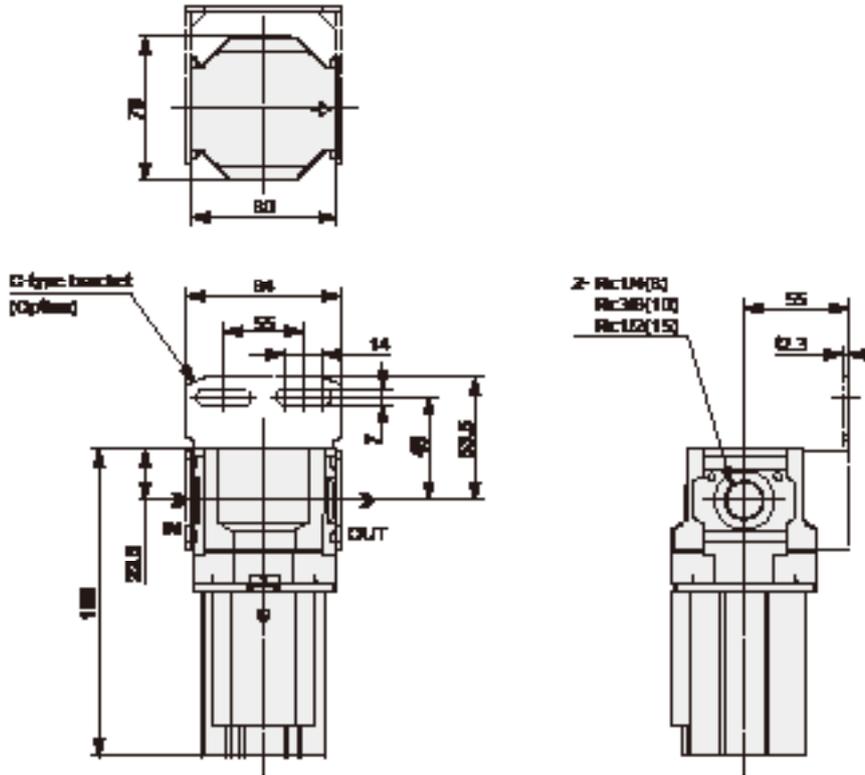
● Ozone remover SFX90

The results below are not guaranteed values.

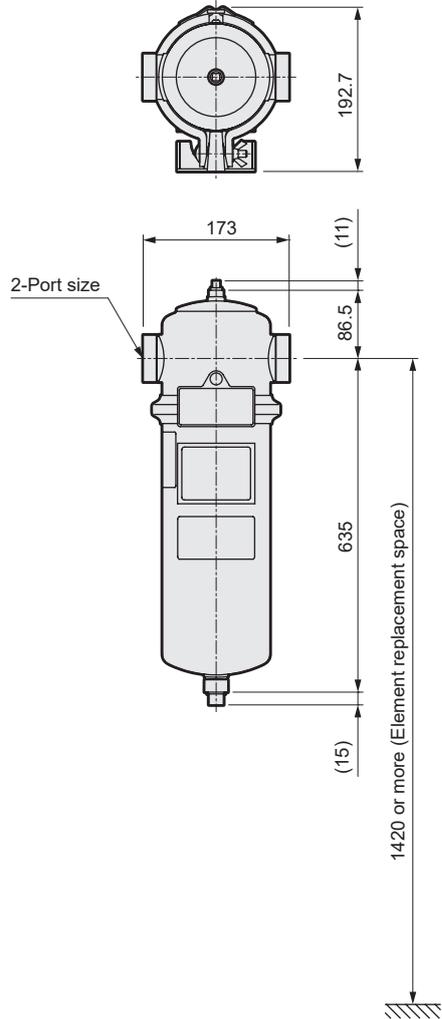


Dimensional Drawings

● SFX40

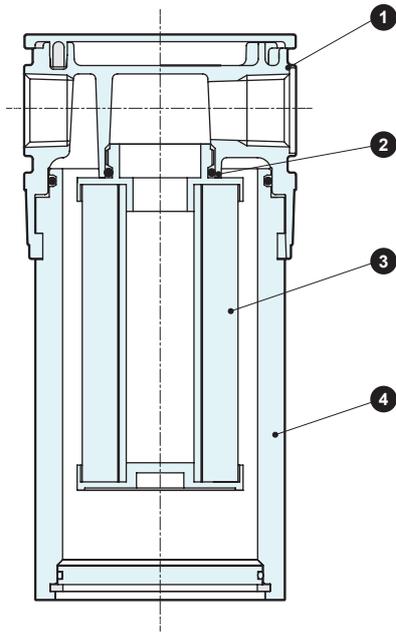


● SFX90



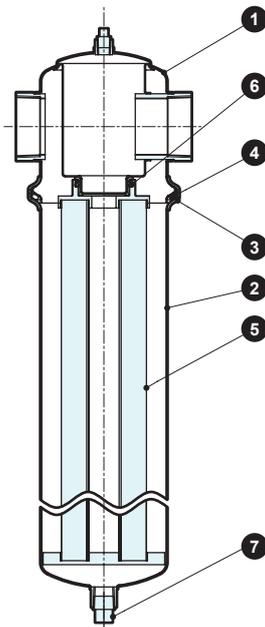
Internal Structure / Materials

● SFX40



Part No.	Name	Material
1	Body	Aluminum alloy die-cast
2	O-ring	Fluoro rubber
3	Element	Activated carbon, ABS, PET, etc.
4	Case	Aluminum alloy

● SFX90



Part No.	Name	Material
1	Cover	SUS304
2	Bowl	SUS304
3	Band	SUS304
4	O-ring	Fluoro rubber
5	Element	Activated carbon, ABS, PET, etc.
6	O-ring	Fluoro rubber
7	Plug	SUS304

⚠ Before use, be sure to read the "Safety Precautions" and "Instruction Manual" on the CKD component product site (<https://www.ckd.co.jp/en/>).



- Do not allow high-concentration ozone of 2ppm or more to pass through the remover. Using it for a long time may cause heat or cause deterioration.
- Avoid using air containing corrosive gases (strong acidic gases such as hydrogen sulfide, sulfur dioxide, hydrogen chloride, fluorine, etc.) or strong alkali gases (amines, ammonia, caustic soda, etc.).
- Do not apply sudden changes in pressure to the product. When installing valves before and after this product to pressurize or release pressure, operate the valves slowly. Sudden operation of the valve may lead to element damage. (For SFX90)
- Check the flow direction by arrow and connect correctly. If reverse pressure is applied, the element may be damaged. (For SFX90)

Related Products

Ozone Resistant Series

- Fluoro rubber or hydrogenated nitrile rubber, etc., used for rubber parts.



For details, refer to CKD Components Product site (<https://www.ckd.co.jp/kiki/en/>) → "Model No."

Revision contents/size addition

The goods and/or their replicas, the technology and/or software found in this catalog are subject to complementary export regulations by Foreign Exchange and Foreign Trade Law of Japan. The law requires a license from Ministry of Economy, Trade and Industry to export them.

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