CKD

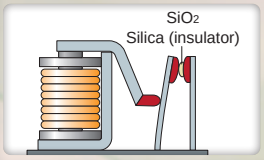
New Products

Siloxane Ozone Remover
SFX Series

Are you troubled by this?

Problems caused by siloxane

Poor conduction for electrical contacts, motors, sensors, etc.



Gasifying of optical products: Blurring of transparent areas

Failure due to ozone

Malfunction of components due to rubber deterioration

Cracking of packing

Working fluid
Compressed air

Working fluid
Nitrogen gas

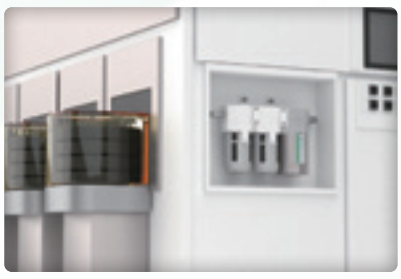
Removal performance
99% or more

Specialized in
Siloxane adsorption
Ozone decomposition

Applications

Clean air for lines or systems

Electronic parts/optical parts manufacturing line



Semiconductor Manufacturing System

Rechargeable Battery Manufacturing System

CKD Corporation
CC-1605A

Specifications

Item	SFX40	
Working fluid *1	Compressed air purity grade 1:6:1 (ISO 8573-1: 2010), nitrogen gas	
Max. working pressure MPa	1.0	
Proof pressure MPa	1.5	
Ambient/Fluid temps °C	5 to 50	
Removed substances	Siloxane (D4, D5)	Ozone
Removal ratio *2 %	99 or more	99 or more
Concentration range	0.005 to 1500 µg/L	0.5ppm or less
Max. processing flow rate *3 L/min (ANR)	700	560
Weight kg	0.8	
Element replacement	1 year or when pressure drops to 0.1MPa *4	

*1: Install dryer, filter and oil mist filter on primary side to remove water or oil.
*2: The specifications are performance based on CKD evaluation method. The siloxane specifications are for D5 (decamethylcyclopentasiloxane) performance
*3: Use the product within the max. processing flow rate. This is the value when primary pressure is 0.7 MPa.
*4: The replacement time is not a guaranteed value. The replacement time may be reduced depending on the product's working environment, usage conditions, etc.
*5: When the ozone concentration is 0.5ppm.
*6: Siloxane and ozone cannot be removed together.

How to order

SFX40 - 10 [ ] - X1 - BW

- SFX40: Model No.
- 10: ❶Port size
- [ ]: ❷Port thread
- X1: ❸Flow direction
- BW: ❹Bracket (included)

❶Port size

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

❷Port thread

Code	Description
Blank	Rc thread
N	NPT thread
G	G thread

❸Flow direction

Code	Description
Blank	Standard flow (left → right)
X1	Reverse flow (right → left)

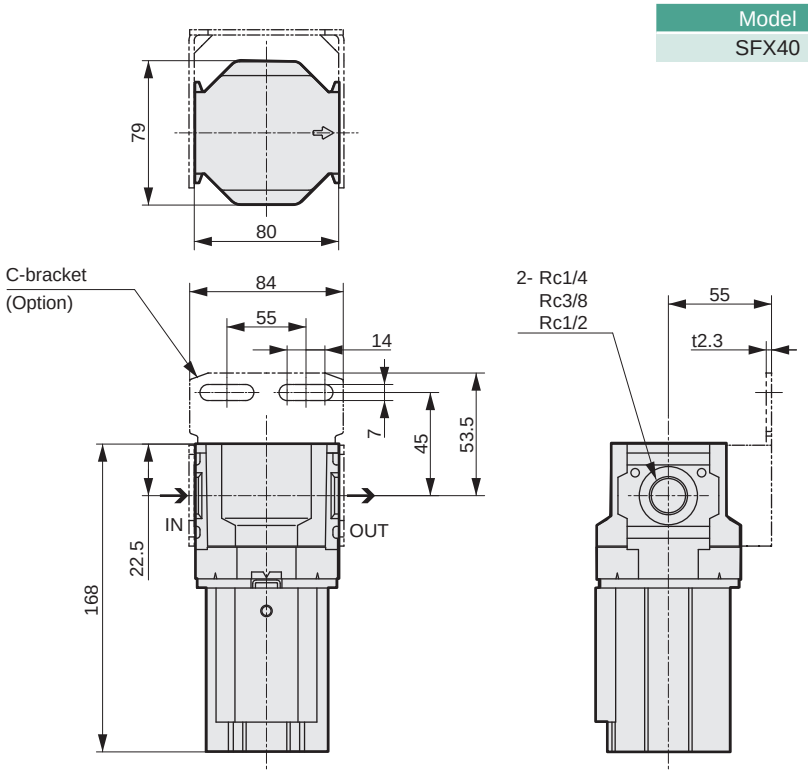
❹Bracket (included)

Code	Description
Blank	Not included
BW	C-bracket

Replacement model No. for single element unit

Model	Element model No.
SFX40	SFX40-ELEMENT

Dimensions



Material

Part name	Material
Body	Aluminum alloy die-casting
O-ring	Fluoro rubber
Element	Activated carbon, ABS, PET, etc.
Case	Aluminum alloy

Safety precautions

Be sure to read this section before use.
"Pneumatic, Vacuum and Auxiliary Components" (No. CB-024SA) also refer to the precautions.

CAUTION

- Do not pass highly concentrated ozone of several ppm or more through the remover.
- Avoid using air containing corrosive gases (strong acidic gases such as hydrogen sulfide, sulfur dioxide, hydrogen chloride or fluorine) or strong alkali gases (amines, ammonia, caustic soda, etc.).

If the goods and/or their replicas, the technology and/or software found in this catalog are to be exported from Japan, Japanese laws require the exporter makes sure that they will never be used for the development and/or manufacture of weapons for mass destruction.

CKD Corporation
[Website]
https://www.ckd.co.jp/en/

Head Office・Plant 2-250, Ouji, Komaki, Aichi 485-8551 TEL(0568)77-1111 FAX(0568)77-1123
Tokyo Office 4F, Bunkahousou Media Plus, 1-31-1, Hamamatsu-cho, Minato-ku, Tokyo 105-0013 TEL(03)5402-3620 FAX(03)5402-0120
Osaka Office 6F, PMO EX Shin-Osaka, 4-2-10 Miyahara, Yodogawa-ku, Osaka 532-0003 TEL(06)6396-9630 FAX(06)6396-9631

2023.7