

Exhaust Cleaner for Clean Room

AMP Series



An exhaust cleaner that can be used inside a clean room

Exhaust air cleanliness: Equivalent to ISO Class 5 (Class 100 Fed.Std.209D)
(Consult SMC in advance, as this will differ depending on the operating conditions.)

- **Particles of 0.3 μm or larger are 3.5 particles/L or less**
Since it is possible to release exhaust air from pneumatic equipment directly into a clean room, piping to exhaust ducts is unnecessary.

Worry free two stage element construction

- After the first element is saturated with oil, the oil flowing into the secondary side is collected by the second element. This prevents discharge to the outside for a fixed time.



How to Order

AMP 2 2 0- [] 03 [] - []

Size

2
3
4

Thread type

Symbol	Type
Nil	Rc
N	NPT
F	G

Option

Symbol	Description
Nil	None
R	Flow direction Right→Down
T	With element service indicator

Accessories

Symbol	Name
Nil	None
B	With bracket

Note) The brackets are shipped together, but not assembled.

Port size

Symbol	Port size	Appropriate size		
		2	3	4
02	1/4	●	—	—
03	3/8	●	●	—
04	1/2	—	●	●
06	3/4	—	—	●

Models

Model	AMP220	AMP320	AMP420
Maximum flow capacity L/min (ANR)	200	500	1000
Port size	1/4, 3/8	3/8, 1/2	1/2, 3/4
Weight (kg)	0.43	0.68	1.15

Refer to page 835 for model selection.

Specifications

Fluid	Compressed air
Inlet pressure	0.1 MPa or less
Ambient and fluid temperature	5 to 50°C
Filtration degree	0.01 μm (Trapping efficiency 95%)
Outlet cleanliness	Particles of 0.3 μm or larger: 100 particles or less/ft ³ (35 particles or less/10 L (ANR))
Element replacement period	1. Replace the element when a red color spot occurred on the surface. 2. Even if a red color spot does not appear on the surface, the replacement interval for the element is when the inlet pressure reaches 0.1 MPa or after one year of operation, whichever comes first.
Element construction	Two stage element
Silencing effect	40 dB (A) or more

Refer to page 836 for specific product precautions.

Accessory (Part No.)

Applicable model	AMP220	AMP320	AMP420
Bracket assembly (with 2 mounting screws)	BM66	BM67	BM68