

# Air curtain for insect repellent

## AAC-7 type

Effective in preventing contamination such as insects during manufacturing process in food and pharmaceutical industries, etc.



Slim type air curtain for insect repellent

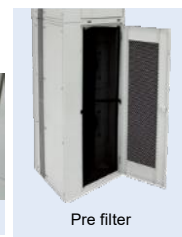
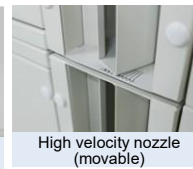
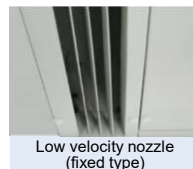
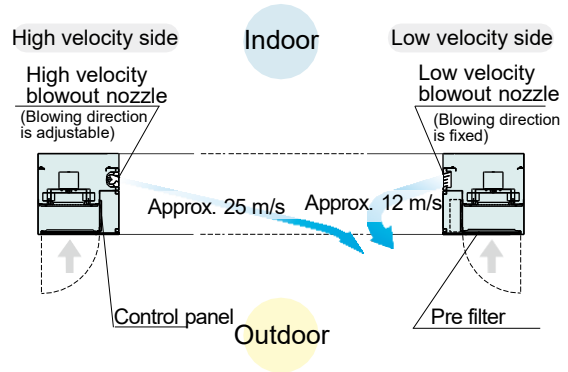


Rolling shutter type air curtain for insect repellent

- Our original technology of “unbalanced airflow” prevents fly insects from outside.
- Possible to manufacture the suitable size corresponding to the building.
  - \* Standard dim.: Opening 2000mm × Height 2500mm
  - \* Recommended opening dim. is within 3000mm, and height will be consulting separately.
- Replaced a blower and reduced air curtain startup time.
  - \* conventional model: 3 sec. ⇒ 1.5 sec.
- Improved the waterproof performance by using a waterproof connector.
- Possible to operate in conjunction with existing sheet shutter. \* 7C type

### Unbalanced airflow \* Patent obtained (No. 4314374)

High velocity air at 25m/s and low velocity air at 12m/s are blown out with varying intensity. By suppressing the turbulence caused by the air collision, greatly prevents insects from entering.



Possible to install in the existing building \* Please contact us about installation of anchors to secure the device, installation of components to seal the gap with the wall, linkage with the existing shutter and wiring connections.

#### 1 Marking



#### 2 Install units



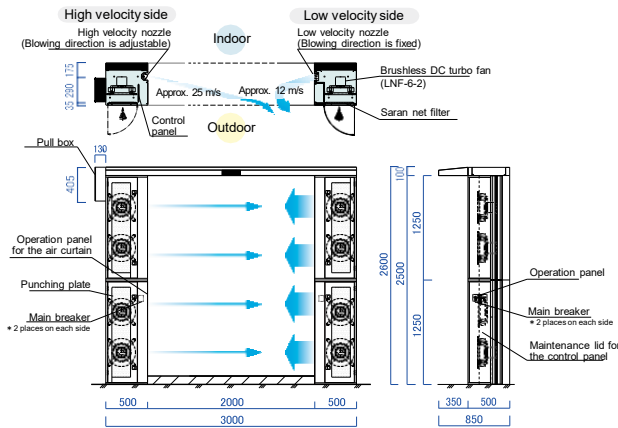
#### 3 Mount eave / Connect power supply



#### 4 Completed

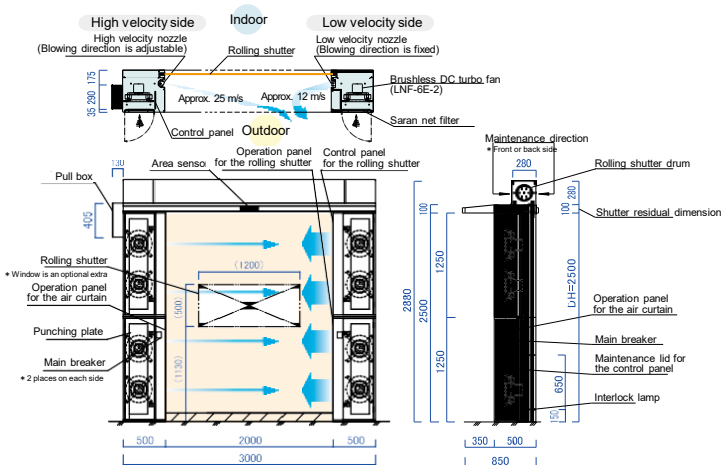


## AAC-20257C Slim type



Model	AAC-20257C
Filter element	Saran net filter
Air volume	High velocity side: 105 m <sup>3</sup> /min, Low velocity side: 130 m <sup>3</sup> /min
Blowout air velocity	High velocity side: 25 m/s, Low velocity side: 12 m/s
Power source	AC200V 3φ 50/60 Hz
Power consumption	Approx. 2600W
Apparent power	Approx. 4500 VA (Max. 10000) * Leakage current is 9mA or less
Blower	LNF-6E-2×8 * Brushless DC turbo fan
Weight	Approx. 300kg
Structure	Main body: Steel plate (baking finish)

## AAC-20257M Rolling shutter type



- Velocity of the rolling shutter is 1.5 m/s.
- Rolling shutter will come off the guide and prevent damage if it is touched by accident. It will automatically return to the original position when it rises.
- By integrating it with a rolling shutter, possible to achieve a higher insect-proofing effect and reduce construction costs.

### Operation specification

#### Sending a signal to open the rolling shutter

- Optical sensor • Remote controller • String switch • Push button
- \* We will make proposals to suit your operations.

#### Activate the air curtain

Blower is activated and create an unbalanced airflow.

#### Rolling shutter opens

Rolling shutter opens after the blower rotates at high velocity.

#### People and objects pass through the rolling shutter

#### Rolling shutter closes

Sheet shutter closes after a certain period.  
\* We will propose a time until closing and timing to start closing according to your request.

#### Air curtain stops

Air Curtain stops after the rolling shutter completely closes and the residual operation is completed.

Model	AAC-20257M (rolling shutter type)
Filter element	Saran net filter
Air volume	High velocity side: 105 m <sup>3</sup> /min, Low velocity side: 130 m <sup>3</sup> /min
Blowout air velocity	High velocity side: 25 m/s, Low velocity side: 12 m/s
Power source	AC200V 3φ 50/60 Hz
Power consumption	Approx. 3100W * default setting
Apparent power	Approx. 5300 VA (Max. 11000) * Leakage current is 9mA or less
Blower	LNF-6E-2×8 * Brushless DC turbo fan
Weight	Approx. 370kg
Structure	Main body: Steel plate (baking finish)
Others	Rolling shutter window is an optional extra.

### Rolling shutter

Door opening/closing system	Vertical type
Drive system	DC motor
Opening/closing velocity	Opening: 1.5m/s, Closing: 0.7m/s * Manufacturer's spec.
Safety device	Interlock lamp
Door activation	Optical sensor
Power source	AC 200V 1φ 50/60Hz

### Installation (AAC-20257C, AAC-20257M)

- Possible to select high velocity side and low velocity side. (Please specify according to the direction of the wind at the installation location)
- Please secure the main unit to the floor using anchor bolts.
- This device is for indoor use only. Please do not expose it to rain or water.