




WHAT'S THE AIR-CURTAIN?

Air curtains are installed at indoor entrance doors
to create powerful air currents that block air flow between indoor
and outdoor spaces, prevent the entry of flying insects, dust, and
odors, and reduce energy loss through doorways during heating and
cooling, resulting in significant energy savings.



NANO SYSTEM AIR-CURTAIN

NANO SYSTEM Co., Ltd. is a **specialized air curtain manufacturer** that leads the domestic and international air curtain market with **differentiated products of the highest quality and diverse functionality** through continuous research and development that adapts to changing times.

「Smart Technology Creating
Intelligent Energy Savings」

CONTENTS

1. COMPANY

- Greeting -----	03
- History -----	04
- Certification -----	05

2. AIR CURTAIN

- NANO SYSTEM Air Curtain Features -----	06
- Plasma Ion Cluster Generator -----	07
- Air Velocity and Standard Blocking Distance -----	08

3. PRODUCTION

- Ultra Power-Saving Air Curtain (BLDC Motor) -----	10
- Premium 2-Motor Air Curtain -----	13
- Stainless Steel Air Curtain -----	14
- Standard Air Curtain -----	15
- Slim 1-Motor Air Curtain -----	16
- Heater-Integrated Air Curtain -----	18
- Industrial Air Curtain -----	20
- Bus Station / Elevator Air Curtain -----	22
- Vehicle Air Curtain -----	23



NANOSYSTEM, Corp

NANO SYSTEM

Korea's Top Brand, **NANO SYSTEM**, Your Air Curtain Specialist.

NANO SYSTEM is a specialized air curtain manufacturer expanding its export sales and domestic market share through superior functionality, high efficiency, and diverse designs implemented with cutting-edge technology. We are committed to enhancing product functionality and quality through bold investments and innovative thinking, and we promise to deliver the best customer satisfaction through excellent technology and product diversity.



HISTORY

We have consistently dedicated ourselves to developing exceptional products.

Present ~

2024

- Launch of the station air curtain
- Launch of elevator air curtain
- Release of stainless steel and two-tone color new products
- Air curtain KC certification and EMC certification

2023

- Asia's first development and marketing of an air curtain using a BLDC motor
- Headquarters and factory relocation
- Incorporation of NANO SYSTEM Co., Ltd.
- ISO 9001 certification renewal and ISO 14001, 45001 quality certifications

2022

- Patent acquisition (BLDC motor)
- Design patent acquisition

2021

- Patent acquisition (Closet clothing sterilization manager)
- Patent acquisition (Side-blow type air curtain with fogging function)

2020 ~

2020

- Patent acquisition (Bus indoor air purification device)

2019

- Patent acquisition (Air fogger)
- Vietnam trademark acquisition (405731/405730)
- Trademark registration certificate (Series 35 and others) acquisition
- Trademark registration certificate (Series 11 for vehicles) acquisition

2018

- Electric air curtain KC certification (Series 12)
- Patent acquisition (Bus air curtain)
- Patent acquisition (House air curtain)

2017

- Electric air curtain KC certification (Series 15)

2013

- Government procurement vendor registration
- Electric air curtain KC certification (Series 35)
- Patent acquisition (Livestock farm air curtain)

2012

- ISO-9001 quality certification

2011

- Korea's first low-noise sleep-type Air-Curtain completion and marketing

Since 2006

2010

- Korea's first negative ion generating Air-Curtain development and marketing

2009

- Overseas exports to Brazil, Australia, and Mexico

2008

- Achievement of 20,000 air curtain sales

2007

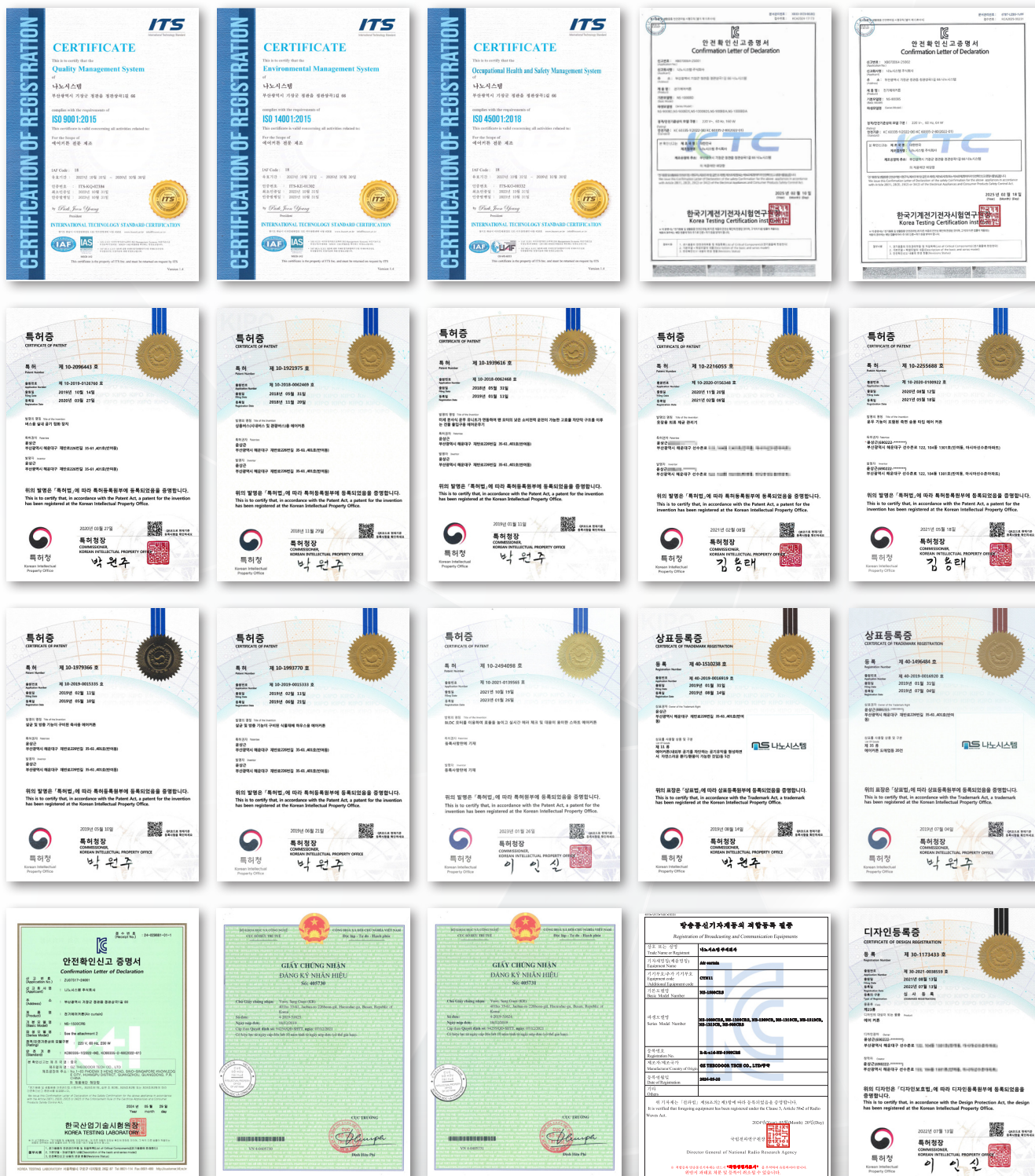
- Production of the newly developed Air-Curtain
- Trade business registration certificate acquisition

2006

- Establishment of NANO SYSTEM
- ISO-9002 quality certified company registration
- Air-Curtain Q-mark acquisition (PSQ-97-010)

CERTIFICATION

Various certifications prove NANO SYSTEM Co., Ltd.'s technological prowess.



ISO 9001 / 14001 / 45001
Vietnam Trademark Registration
Certificates (2 types)

Patents (8 types)
Broadcasting and Communication
Equipment Conformity Certificate

Trademark Registration Certificates
(2 types)
Design Registration Certificate

KC Certification (3 types)

I What is an 'Air Curtain'?

An air curtain creates a powerful air flow at the entrance of **indoor spaces to prevent insects, dust, and external air from penetrating the indoor space**. Air curtains are mainly used in locations with frequent entry and exit, such as stores and warehouses, where doors need to remain open, and **they help prevent indoor temperature loss through doorways during heating and cooling**.

I NANO SYSTEM Air Curtain Features



01. **Effective indoor/outdoor separation** through an air barrier
02. **Maximized heating/cooling efficiency** for **energy savings**
03. **Prevention of contaminant entry** (fine dust, yellow dust, flying insects), **maintaining a hygienic environment** in stores
04. BLDC motor application allowing long operation with low power consumption, **saving 60~70% in power consumption**
05. Enhanced IP54-grade **waterproof and dustproof functionality**, **high durability against** moisture and dust
06. Patent No. 10-24389** **Air curtain applying BLDC motor**
07. **Reinforced dustproof and moisture-proof PCB** through urethane molding treatment
08. **Diverse air velocity** with added turbo function (conventional 17m/s → 21m/s)
09. **Human detection operation** through the limit sensor and motion sensor integration
10. **Plasma ion cluster blocking** viruses and harmful substances, such as odors and chemicals
11. **Various colors** are available to match interior design concepts

I Plasma Ion Cluster Generator



• Product Built-in Module Series

- Design with all circuits contained within a small tube
- Easy installation due to compact size
- Applicable to various products (diffusers, air conditioners, fans, refrigerators, etc.)
- Effective deodorization when used as an air sterilizer
- Extremely low power consumption, making it ideal for product integration

• Application Locations

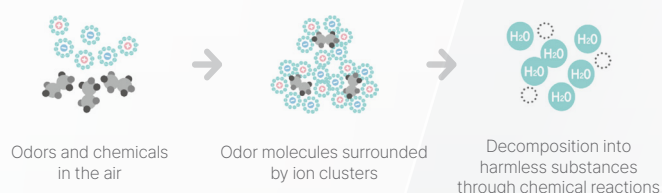
- Hospitals (operating rooms, newborn rooms, emergency rooms) / Public smoking rooms / Veterinary hospitals / Childcare centers / Offices / Stores / Fitness centers / Hotel lobbies, etc.

Compatible with all NANO SYSTEM products

Ion Cluster Generation Principle



Deodorization Principle



Sterilization Principle



I Product Features



Deodorizing Effect

Helps you live in a consistently pleasant environment by eliminating unpleasant odor sources such as cigarette smoke and ammonia that can degrade indoor air quality.



Harmful Substance Removal Effect

Removes VOCs and harmful substances such as formaldehyde and toluene that cause sick building syndrome.



Sterilization Effect

Creates a hygienic and healthy environment by effectively removing various invisible bacteria and pathogens floating in the air that threaten health.

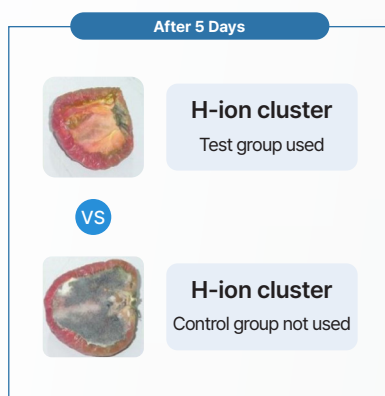


Food Freshness Maintenance Effect

Provides an environment where food can be kept fresh longer by removing mold that easily spoils food.

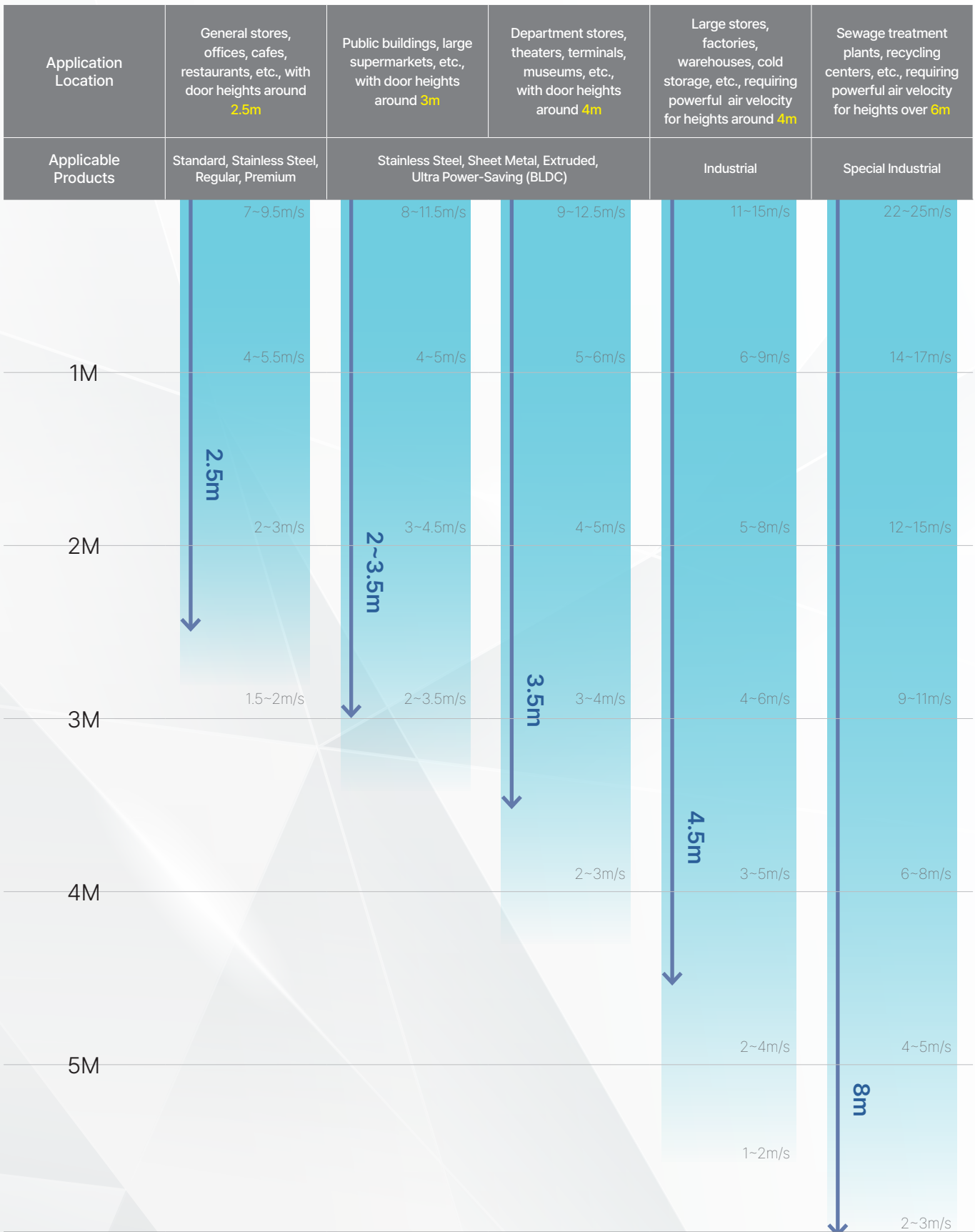
I Domestic and International Test Certification Results

• Ion Cluster Mold Removal Experiment



Contaminant source		Removal rate (%)	Testing institution
Bacteria & Virus	S. Aureus Bacteria	99	KTR, SCLAB
	Influenza A Virus (H1N1)	95	Kitasato (Japan)
	MSRA Super Bacteria	99	KCL
	Salmonella	99	KCL
	E. Coli Bacteria	99	KTR, SCLAB
	Bacteria	99	Enviro Screening Lab (USA)
	Fungi	99	Intertek (France)
Chemical & VOCs	VOC	98	Samsung Electronics
	Formaldehyde	98	KCL
	Ammonia	93	Inha University, KTR
	Toluene	92	Inha University, KTR
	H2S	98	KTR
	Acetone	98	KCL
	Ethylene	100	KCL

I Air Velocity and Standard Blocking Distance



NANO SYSTEM's Technology! Domestically and Internationally Unique **BLDC Motor Air Curtain**

Protects indoor air with powerful wind while increasing energy-saving effects!



* Image: Sheet Metal Type Black



* Image: Extruded Type White-Black

Ultra Power-Saving Air Curtain (BLDC Motor)

Reduces power consumption by 60~70% compared to air curtains sold in the market, providing excellent electricity savings. Compared to AC motors, raising the waterproof and dustproof rating to IP54 makes it suitable for locations with moisture and dust. The addition of turbo wind speed provides four different speeds (low, medium, high, turbo), allowing adequate blocking at heights from 2m to 4m.

I Product Colors - White / Black / Stainless Steel / White-Black

01 Sheet Metal Type (Stainless Steel Type)

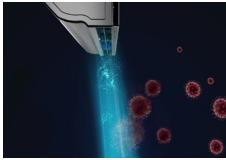


02 Extruded Type

※ Color selection available for NS-BDA series (BLDC) extruded type only (custom-made product when color selection is required)



I Product Features



Ion Cluster Function (Optional)

Mounted inside the air curtain, it generates ion molecules that sterilize viruses by encapsulating their proteins and provides a deodorizing effect by removing odors.

(Ion operation is possible independently of the air curtain's airflow)

- Application locations: Daycare centers, kindergartens, hospitals, food waste treatment facilities, etc.



Limit Sensor

A function that automatically turns the air curtain ON when a door opens and OFF when the door closes.



Remote Control

Allows easy operation according to consumer convenience and needs with wind speed control, limit sensor, human detection sensor, ion function, etc.



Motion Sensor

Works with the limit sensor and motion sensor to detect movement in advance, activating the air curtain. When the door opens, it switches to the limit sensor, and after the door closes, it continues operating for 2-3 seconds before turning OFF.



Turbo Feature

Features a powerful essential wind speed of 21m/s, allowing installation not only in stores with high doors but also in high factory doors, with a maximum wind speed of up to 23m/s.

I Product Advantages



Power Consumption

Reduces power consumption by 60~70% compared to air curtains sold domestically.



Various Functions

Improved consumer convenience and effectiveness with added functions such as various wind speeds, limit sensor, motion sensor, ion cluster, error codes, etc.



Premium Design

Expanded consumer choices with premium designs and various colors.



Enhanced Durability

Improved waterproof and dustproof functionality through PCB molding treatment. Waterproofing, high-output waterproofing of motors, dustproofing, and fan structure modifications have increased wind speed and volume.



Remote Control System

Allows selection and use of various functions through remote control.



ALL Domestically Produced Parts

Reduced component costs through premium design.

Premium Air Curtain, The Beginning of a Pleasant Space

I Product Specifications

01 Sheet Metal Type (Stainless Steel Type)

※ (S) = Stainless steel type product

Model	Power	Dimensions (WHD)	Power Consumption (W)	Wind Speed (m/s) (Turbo/High/Medium/Low)	Noise (dB)	Air Volume (CMM)	Effective Blocking Height (M)	Weight (kg)
NS-900BD(S)	220V /60HZ	900*230*220	52~160W	21/17/15/12	43~61	25	2~4	12
NS-1000BD(S)		1000*230*220						15
NS-1200BD(S)		1200*230*220				34		17
NS-1500BD(S)		1500*230*220				42		26

02 Extruded Type

Model	Power	Dimensions (WHD)	Power Consumption (W)	Wind Speed (m/s) (Turbo/High/Medium/Low)	Noise (dB)	Air Volume (CMM)	Effective Blocking Height (M)	Weight (kg)
NS-900BDA	220V /60HZ	900*235*235	52~160W	21/17/15/12	43~61	25	2~4	12
NS-1000BDA		1000*235*235						15
NS-1200BDA		1200*235*235				34		17
NS-1500BDA		1500*235*235				42		26

I Electricity Cost and Power Consumption Comparison Table (Based on 2 Motors)

Product Company	Wind Speed-High (m/s)	Power Consumption-High(W)	Daily 10-hour Monthly Electricity Cost
S Company	16	463	10,000~12,000 won
H Company	16	470	
A Company	20	352	
NANO SYSTEM	17/20(Turbo)	125/160(Turbo)	4,000~5,000 won

Premium 2-Motor Air Curtain

With its sophisticated design, minimal noise, and powerful blocking effect, this product is suitable for installation in general stores and offices.

I Product Colors - White / Black / Gray



I Product Features



Minimal Noise Implementation

Sirocco fan adoption provides noiseless and comfortable operation.



Waterproof PCB

The waterproof circuit board is strong and trouble-free.



Efficient Air Circulation

More effective blocking through efficient air circulation.



Premium Design

A heating function was added to the premium air curtain design.



Remote Control System

Convenient settings for all products are possible through a remote control.

I Product Specifications

Model	Power (V/Hz)	Dimensions (WHD)	Power Consumption (W) Wind Speed-High	Wind Speed (m/s) (High/ Medium/Low)	Noise (dB) Wind Speed-High	Air Volume (CMM) Wind Speed-High	Effective Blocking Height (M)	Weight (kg)
NA-3509DM	220V /60Hz	900*220*225	340W	17/14/12	56	22	2.5	16
NA-3510DM		1000*220*225				16.8		
NA-3512DM		1200*220*225	390W			28		18.5
NA-3515DM		1500*220*225	510W			36		23

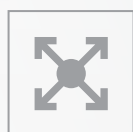
Stainless Steel Air Curtain

As the first product in Korea to introduce stainless steel material, it features a clean design, strong resistance to rust and corrosion, making it suitable for humid environments or high-salinity locations, low contamination of the outer case for easy cleaning, and excellent durability.

I Product Color - Stainless Steel Material (304)



I Product Features



Excellent Durability

Stainless steel prevents rust and corrosion in humid environments and is easy to clean.



Maximized Blocking Efficiency

The ABS material fan and angle changes increase air volume for powerful blocking effects.



Easy Installation

Slim specifications and a lightweight product allow installation with a minimum upper space of just 22cm.



Clean Design

Designed with stainless steel material that integrates cleanly with automatic doors, reinforced doors, and folding doors, giving a visually sophisticated and organized impression.



Simple Operation

Remote control operation and button use are standard, with an optional limit sensor function that turns on when the door opens and off when it closes.



Waterproof Molded PCB Board

Special waterproof treatment of the PCB circuit board allows safe use in high-humidity environments.

I Product Specifications

Model	Power (V/Hz)	Dimensions (WHD)	Power Consumption (W) Wind Speed-High	Wind Speed (m/s) (High/Medium/Low)	Effective Blocking Height (M)	Noise (dB)	Air Volume (CMM)	Weight (kg)
NS-900CRS	220V /60Hz	900*195*175	130W	10~13	2~2.5	56	25	8
NS-1000CRS		1000*195*175	140W				31	9
NS-1200CRS		1200*195*175	180W				39	10
NS-1500CRS		1500*195*175	230W					11.5

Standard Air Curtain

The cleanest and best product with its slim, sophisticated design and oval shape.

I Product Colors - Black / White Dual Color



I Product Features



Cost-Effectiveness

A cost-effective product that maximizes air curtain efficiency while remaining affordable.



Low Noise

Fan structure design changes and reduced specifications have lowered noise while increasing air volume.



Convenient Operation

Convenient use through a remote-control system and a limit sensor.



Product Lightweighting

Enhanced stability and installation convenience through ultra-lightweighting to reduce weight.



Energy Saving

Maximizes heating and cooling efficiency during air curtain operation with low power consumption.



Waterproof Molded PCB Board

Special waterproof treatment of the PCB circuit board allows safe use in high-humidity environments.

I Product Specifications

Model	Power (V/Hz)	Dimensions (WHD)	Power Consumption (W) Wind Speed-High	Wind Speed (m/s) (High/Medium/Low)	Effective Blocking Height (M)	Noise (dB)	Air Volume (CMM)	Weight (kg)
NS-1209CR	220V /60Hz	900*186*186	120W	10~12	2~2.5	56	25	6.3
NS-1210CR		1000*186*186	125W				31	7
NS-1212CR		1200*186*186	160W				39	7.5
NS-1215CR		1500*186*186	200W					8.3

Slim 1-Motor Air Curtain

Breaking away from the conventional mechanical image of air curtains, this cost-effective product features a design that harmonizes curves and straight lines, adding interior design effects.

I Product Colors - White / Black



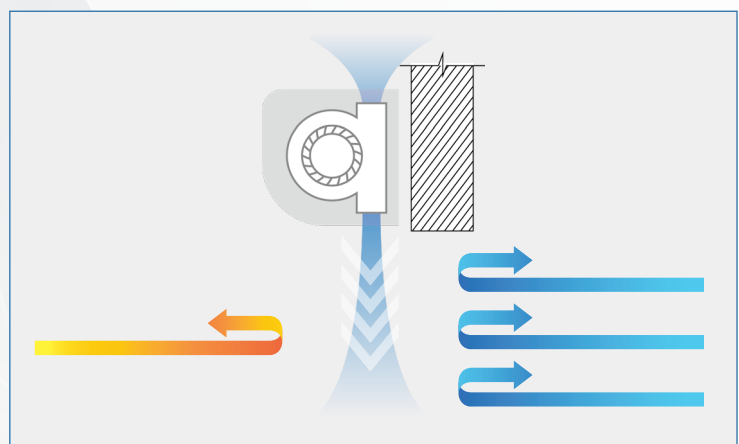
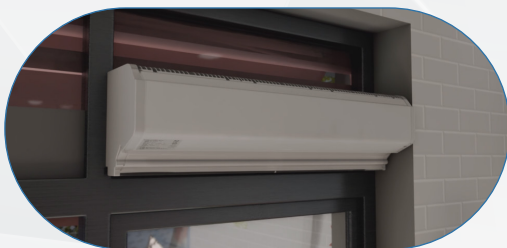
I Product Features

Efficient Air Flow

Superior external air blocking effect through efficient air flow with the upper intake grille.

| Upper Intake Method |

Efficient with a thorough external air blocking effect through straight-line circulation.



I Product Advantages



Abundant Air Volume

Enhanced blocking power by increasing air volume through efficient air intake using the upper intake structure and cross fans to absorb large amounts of air.



Easy Maintenance and Service

Designed with a simple structure from the design stage, NANO SYSTEM's slim air curtain is easy to disassemble and assemble, making maintenance and service simple.



Low Power Consumption

Focusing on energy savings during motor development, NANO SYSTEM's slim air curtain consumes only 175W of power when operating at high wind speed, just 1/2 of comparable products from other companies.



Excellent Cost-Effectiveness

NANO SYSTEM's slim air curtain achieves the wind speed previously only possible with 2-motor sirocco fans using a 1-motor cross fan, significantly enhancing quality and performance at an economical price comparable to Chinese products.



Remote Control System

A simple remote-control system adjusts wind speed according to the user environment.



Simple Design

NANO SYSTEM's slim air curtain is designed to be simple and slim, helping to enhance the interior of stores and offices.

I Product Specifications

Model	Power (V/Hz)	Dimensions (WHD)	Power Consumption (W) Wind Speed-High	Wind Speed (m/s) (High/Medium/Low)	Air Volume (CMM)	Effective Blocking Height (M)	Weight (kg)
NA-1209DM	220V /60Hz	900*215*210	175W	14/11/8.5	27	2.8	9.2
NA-1210DM		1000*215*210	180W	13.5/10.5/7.5	29		9.7
NA-1212DM		1200*215*210	205W	13.5/11.5/9	37		12.8
NA-1215DM		1500*215*210	260W	13/10/6.5	45		15.5

Heater-Integrated Air Curtain

An air curtain is designed to produce warm air in winter by incorporating high-heat heating rods into the blower-type air curtain.

I Product Color - Single Color



I Product Features



High-Efficiency Heater Rods

Other companies' heater rods use honeycomb structure heat sinks, which have weak durability and short lifespan due to dust, but NANO SYSTEM's heater rods use 8Φ 12-row aluminum heater rods with heat coils wrapped around them, increasing durability and efficiency, and minimizing noise caused by air resistance.



Remote Control System

Other companies' heater-type products always require a control panel, incurring additional costs for panel production and secondary electrical work, but NANO SYSTEM's remote-controlled air curtains can be controlled by remote control alone, where a control panel is not essential.



Various Control Panel Configurations

When installing with a control panel, the exterior casing (ABS case, standard steel case, stainless steel case, double door structure) and internal configuration can be produced and installed in various forms according to customer needs.

I Product Advantages



Premium Design

A heater function was added to the premium air curtain design.



High-Efficiency Heater Rods

Enhanced durability and efficiency with aluminum heater rods.



Low Noise Realization

Using rod-type heaters reduces noise, a common drawback of conventional heaters.



Simple Remote-Control System

Remote control capability eliminates the need for unnecessary control panel installation.



Outstanding Corrosion Resistance

Made with stainless steel that is strong against corrosion inside and outside, it is suitable for high-humidity environments.



Custom Control Panels

Various control panels can be produced and installed when customers need them.

I Product Specifications

Product Type	Model	Power	Dimensions (mm)	Power Consumption (KW) Wind Speed -High	Wind Speed (m/s) High/ Medium/Low	Noise (dB) Wind Speed-High	Air Volume (CMM) Wind Speed-High	Effective Blocking Height (m)	Weight (kg)
Premium Blower Heater-Integrated (Panel Type)	NA-3509H	Motor 220V Heater 380V (R,S,T,N)	900*220*225	6.2	10 (Single wind speed)	65	21	2.0	17
	NA-3510H		1000*220*225	7.2	9.5 (Single wind speed)	66	22		17.8
	NA-3512H		1200*220*225	8.2	9 (Single wind speed)	68	24		19.8
	NA-3515H		1500*220*225	10.2	8 (Single wind speed)	69	26		25
Premium Blower Heater-Integrated (Remote Control Type)	NA-3509HR	380V 4-wire (R,S,T,N)	900*220*225	6.2	10/9/8	65	21	2.0	17
	NA-3510HR		1000*220*225	7.2	9.5/9/7.5	66	22		17.8
	NA-3512HR		1200*220*225	8.2	9/8/7	68	24		19.8
	NA-3515HR		1500*220*225	10.2	8/7.5/7	69	26		25
Industrial Blower Heater-Integrated (Panel Type)	NA-1509H	Motor 220V/380V Heater 380V (R,S,T,N)	900*265*265	6.6	10.5 (Single wind speed)	68	28	3.0	26
	NA-1510H		1000*265*265	7.6	10 (Single wind speed)	69	29		28
	NA-1512H		1200*265*265	8.6	9 (Single wind speed)	69	31		31
Industrial Blower Heater-Integrated (Remote Control Type)	NA-1509HR	380V 4-wire (R,S,T,N)	900*265*265	6.6	17/13/10.5	68	45	4.0	26
	NA-1510HR		1000*265*265	7.6	16/12/10	69	47		28
	NA-1512HR		1200*265*265	8.6	15/11/9.0	69	50		31

Industrial Air Curtain

With powerful air volume, this product is suitable for medium/large entrances requiring strong blocking effects, such as landfills, sewage treatment plants, and large logistics centers.

I Product Colors - White/Black/Stainless Steel

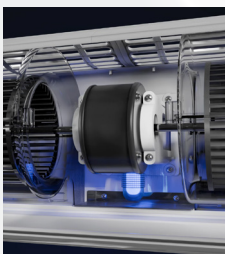
01 Semi-Industrial



02 Special Industrial



I Product Features



Special Industrial Air Curtain

The unique industrial type, the first in Korea to apply a BLDC motor, can produce high output with low power consumption and offers various functions as options using software and hardware. It reduces power consumption by 60~70% compared to other companies' special industrial types, and increases wind speed and energy efficiency by applying sirocco fans instead of cross fans.



Remote Control Industrial Air Curtain

Other companies' products always require a panel, incurring additional costs for panel production and secondary electrical work, but NANO SYSTEM's remote-controlled industrial air curtains can be controlled by remote control alone, where control panels are not essential, and can also provide custom panels when needed.

I Product Advantages



Powerful Air Volume

Implements powerful air volume suitable for medium to large spaces.



Wind Without Dispersion

Powerfully blocks with the twist fan type without wind dispersion.



Outstanding Corrosion Resistance

Designed with aluminum fans that are strong against corrosion inside and out, suitable for high-humidity environments.



Simple Remote-Control System

Remote control is possible without secondary electrical work required for control panel installation.



Custom Control Panels

Various control panels can be produced and installed when centralized control is needed.

I Product Specifications

01 Semi-Industrial

Product Type	Model	Power	Dimensions (mm)	Power Consumption (W) Wind Speed-High	Wind Speed (m/s) High/Medium/Low	Noise (dB) Wind Speed-High	Air Volume (CMM) Wind Speed-High	Effective Blocking Height (m)
Regular Industrial (Panel Type)	NA-1509B	220V Single Phase	900*265*265	600	19	72	55	4~5
	NA-1510B		1000*265*265	620	18	74	58	
	NA-1512B		1200*265*265	650	17	76	62	
Regular Industrial (Remote Control Type)	NA-1509R	220V Single Phase	900*265*265	600	11~19	72	55	4~5
	NA-1510R		1000*265*265	620	10.5~18	74	58	
	NA-1512R		1200*265*265	650	10~17	76	62	
Semi-Industrial (Panel Type)	NA-1509S	380V 3 Phase	900*265*265	800	23	76	62	6
	NA-1510S		1000*265*265	810	22	77	70	
	NA-1512S		1200*265*265	820	20	79	77	

02 Special Industrial

Product Type	Model	Power	Dimensions (mm)	Power Consumption (KW) Wind Speed-High	Wind Speed (m/s) High/ Medium/Low	Noise (dB) Wind Speed-High	Air Volume (CMM) Wind Speed-High	Effective Blocking Height (m)
Special Industrial (Panel Type)	NA-2009L	220V 3-Phase or 380V 3-Phase	900*265*265	0.8~1.2	30~40	81	74	6~8
	NA-2010L		1000*265*265			83	83	
	NA-2012L		1200*265*265			85	100	

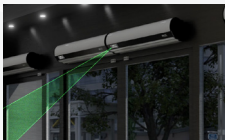
Bus Station/Elevator Air Curtain

This product's case is made of stainless steel, providing strength against rust and corrosion and a clean appearance, which is essential for station installations exposed to the elements.

I Product Color - ALL Stainless Steel (304)



I Product Features



Various Functions

Equipped with three wind speeds, a timer function, and a human detection sensor for convenient operation.



Convenient Installation

The station air curtain has a built-in control function PCB, eliminating the need for additional processes and materials such as control panels, switches, and timers. No primary or secondary wiring work is required, resulting in clean aesthetics and quick, convenient installation.



Safety/Lightweight/Structure

The product's lightweight and slim specifications facilitate installation, safety is ensured by preventing foreign objects and hands from entering the air outlet, and the 45-degree angle air discharge structure saves installation costs by eliminating unnecessary materials.



Easy Cleaning

Made of stainless steel that does not rust when installed outdoors, it is easy to detach and attach and is simple to maintain.

I Product Advantages



Low Power Consumption

Uses a BLDC motor, custom-made for stations, saving 60~70% in power consumption compared to other companies' products, providing excellent energy-saving efficiency.



Enhanced Dustproof and Waterproof Functions

Considering the characteristics of station air curtains installed outdoors, the structure of the motor and PCB has been modified, and the PCB board inside the product is finished with waterproofing and epoxy treatment, enhancing dustproof and waterproof functions for safe operation even when exposed to dust, humidity, or rain.

I Product Specifications

Model	Size (WHD)	Power (V/Hz)	Power Consumption (W)	Wind Speed (m/sec)	Noise (dB)	Weight (kg)
NS-800BS	820*171*152	Single-phase, 220V, 60Hz	25W~65W	9~13	50	5

Vehicle Air Curtain

Developed to utilize the air curtain's feature of blocking external air, this product is installed on city buses and refrigerated/freezer vehicle loading compartment rear doors to block cold air leakage and external air inflow.

I Product Color - Single Color



What is a Vehicle Air Curtain?

When opening and closing the loading compartment doors of refrigerated vehicles, the internal temperature rises, requiring the cooling system to operate to reach the appropriate temperature again, which consumes a large amount of fuel. When an air curtain that blocks external air is installed on the loading compartment door, about 50% of heat consumption can be saved. Vehicle air curtains can provide many benefits, including fuel savings, prevention of food ingredient deterioration, and blocking foreign substances in an environment where food hygiene is emphasized.

I Product Features



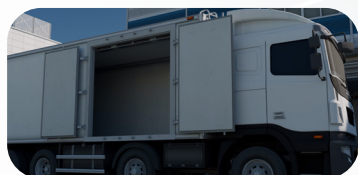
Appropriate Durability

Made with stainless steel for strength against moisture and low temperatures.



Fuel Consumption Reduction

Prevents cold air loss, reducing fuel consumed for cooling.



DC Converter Power

Uses a DC converter method suitable for vehicle installation.



Food Deterioration Prevention

Prevents food ingredient deterioration by maintaining appropriate temperatures.

I Product Dimensions

Model	Width (mm)	Product Height (mm)	Projection Length (mm)	Weight (kg)
NA-1107DM	750	185	150	6.5
NA-1109DM	900	185	150	6.7
NA-1112DM	1200	185	150	7

I Product Specifications

Model	Power	Motor Type	Fan	Wind Speed (m/s) Single Speed	Noise (dB)	Air Volume (CMM)	RPM
NA-1107DM	DC. 12V/24V	Dual Shaft 1	Cross Fan 2	16	58	19	2500
NA-1109DM		Dual Shaft 1	Cross Fan 2	14	59	22	2400
NA-1112DM		Dual Shaft 1	Cross Fan 2	13	60	24	2300