



AIR SHOWER

Clean Room Equipment



**Air Shower is a barrier
between a cleanroom and a
non-restricted area that can
effectively remove
pollutants and particles.**



AIR CLEAN DEVISER TAIWAN CORP.

Wufong District, Taichung City, Taiwan

+886-4-23310802

intl.sales@acdt.com.tw

www.acdt.com.tw

Application

- ⊙ An airborne pollutants barrier between a cleanroom and a dressing area for preventing accidental contamination caused by inappropriate or unexpected door openings.
- ⊙ Effectively remove the pollutants and particles on worker's body and clothes.
- ⊙ Has various sizes and shapes and customization service is available.

Components of Air Shower



Operating Light Signals



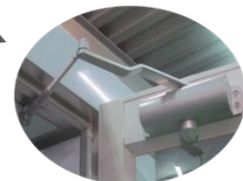
Handle



Filter System
HEPA
Pre-filter



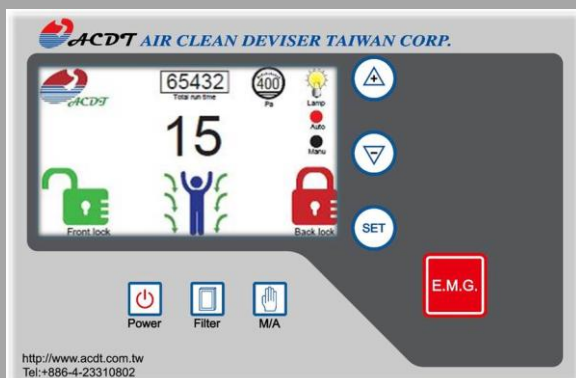
CE Certified
Meet EU EHS
protection standard



Door Closer
Installed from inside



Nozzle
Stainless Steel
Direction adjustable



Microprocessor Control Panel

- Shower mode & breeze mode
- Shower mode countdown timer
- Total running time for the motor
- Front door & back door interlocks status
- Filter replacement alert
- Differential pressure value
- Abnormal differential pressure alert
- Emergency Stop button

■ Product Feature

Material

- ⦿ High-end powder-coated steel plate and stainless steel floor to minimize particle generation

Microprocessor Control Panel

- ⦿ LCD programmable microprocessor control panel

Nozzle

- ⦿ Stainless Steel
- ⦿ Direction adjustable, can cover more angle

Fluorescent Lamp & Glass Window

- ⦿ Inside Air Shower to provide the best visibility and safety

Interlocks

- ⦿ To prevent opening the doors too early or in the wrong way
- ⦿ Deactivated when the electricity shut down suddenly

Operation Mode

- ⦿ Can switch between automatic and manual operation modes

Unlock Delay

- ⦿ Can set the delay time for the doors to be unlocked after shower mode

CE Certified

- ⦿ Meet EU safety, health and environmental protection requirements

Emergency Stop Button

- ⦿ Override the operating cycle and release the door locks immediately

Audio System

- ⦿ Audio broadcast during the operating process

Door Closer

- ⦿ Special designed to be installed from inside the door

Filter System

- ⦿ HEPA
- ⦿ Pre-filter

Operating Light Signals

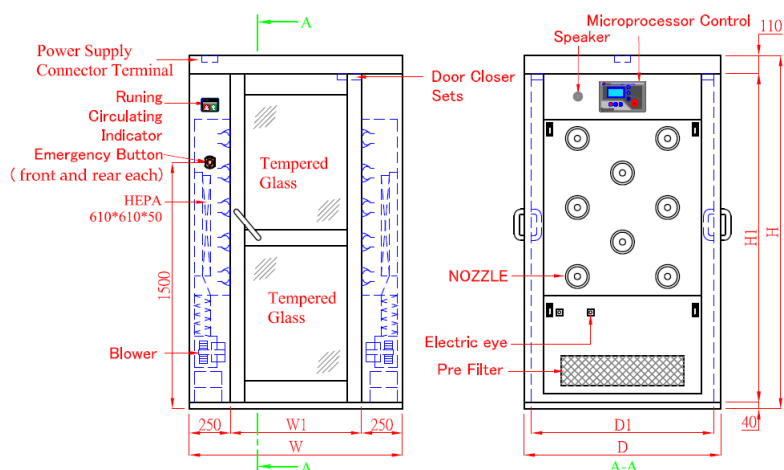
- ⦿ Use green and red lights just like traffic lights, more intuitive to understand
- ⦿ Operating light signals fitted on the front and back doors

Breeze Mode

- ⦿ After shower mode, the breeze mode will start automatically to clean the Air Shower

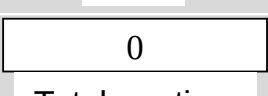
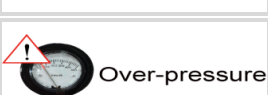
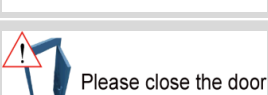
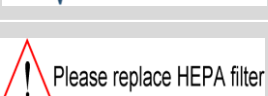
Power Failure Safety Protection

- ⦿ When a power failure occurs, the door will unlock automatically to protect the workers



Item		Single-leaf Swing Door						Tunnel Type	Automatic Sliding Door	
		(Standard Type)							Concealed	Visible
		DA0812S	DA0812	DA0812L	DA0812T	DA0815	DA0820	DA0855	DA0812IH	DA1518IG
External Dimension (mm)	W	1200	1300	1300	1300	1300	1300	1300	1800	2000
	D	1200	1200	1200	1300	1500	2000	5500	1520	1800
	H	2150	2150	2150	2150	2150	2150	2150	2220	2220
Internal Dimension (mm)	W1	800	800	800	800	800	800	800	800	1500
	D1	1100	1100	900	1200	1400	1900	5400	1200	1800
	H1	2000	2000	2000	2000	2000	2000	2000	2000	2000
Body Construction		1.6t powder-coated steel or 1.5t stainless steel								
HEPA	Feature	Aluminum frame, Filtration efficiency 99.99% at 0.3 microns								
	Size (mm)	610×610 1pc	610×610 2pc	610×610 2pc	610×610 1pc	760×610 2pc	610×610 4pc	610×610 8pc	610×610 2pc	760×610 2pc
Pre-filter	Feature	Aluminum frame, 22t non-woven fabric								
	Size (mm)	750×210 1pc	750×210 2pc	750×210 2pc	750×210 1pc	750×210 2pc	750×210 4pc	750×210 8pc	750×210 2pc	750×210 4pc
Air Nozzle	Feature	Stainless steel, adjustable								
	Qty	8	16	12	8	18	24	64	16	18
Air Velocity		Shower mode: above 22 m/s, Breeze mode: 8 m/s								
Blower (Qty)	2P	0	1	1	0	1	2	4	1	1
	2P/4P	1	1	1	1	1	2	4	1	1
Lighting (Qty)		1	1	1	1	1	2	4	1	1
Door		45mm thickness, anode aluminum alloy frame with 5mm tempered transparent glass. The door frame has a 45° inner bevel to prevent dust from accumulating. Air-tight sealant to reduce impact vibration.								
Interlock		Embedded electrical lock						N/A		
Power Consumption (kW)		0.9	1.8	1.8	1.8	1.8	3.6	7.2	2.3	2.3
Power Supply		AC 3Ø □ 220V □ 380V 50/60Hz								

Description of Control Panel Indication Symbols

Function	Icon	Description
Shower Mode		Indicate shower mode is activated. A/S starts to remove particles & lints on user's body and clothes.
Breeze Mode		Indicate breeze mode is activated. A/S is self-cleaning after the user left.
Front Door Unlock		Indicate front door is unlocked, can open the door.
Front Door lock		Indicate front door is locked, can not open the door.
Back Door Unlock		Indicate back door is unlocked, can open the door.
Back Door Lock		Indicate back door is locked, can not open the door.
Manual / Auto Mode		Indicate Air Shower is in automatic or manual mode.
LED Light		Indicate the power for fluorescent lamp is activated.
Emergency		Indicate all functions has stopped and can open front and back doors.
Differential Pressure		Indicate the differential pressure value of HEPA Filter.
Total run time		Indicate the total running time of the motor.
Overloading		Indicate the motor is overload.
Over Pressure		Indicate the pressure of HEPA Filter is beyond limit.
Please Close The Door		Indicate the door is not closed, please close the door.
Replace HEPA		Indicate the HEPA Filter needs to be replaced.
Replace Pre-filter		Indicate the Pre-filter needs to be replaced.



▲ Single Door



▲ Double Door



▲ with Lifting Platform Type



▲ Double Automatic Door with Visible Track



▲ Double Automatic Door with Hidden Track



▲ Tunnel Type



▲ Fast Roll-Up Door

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