

# ACDT FFU Super Thin Type

**MATERIAL** SUS430 & AL-Zn

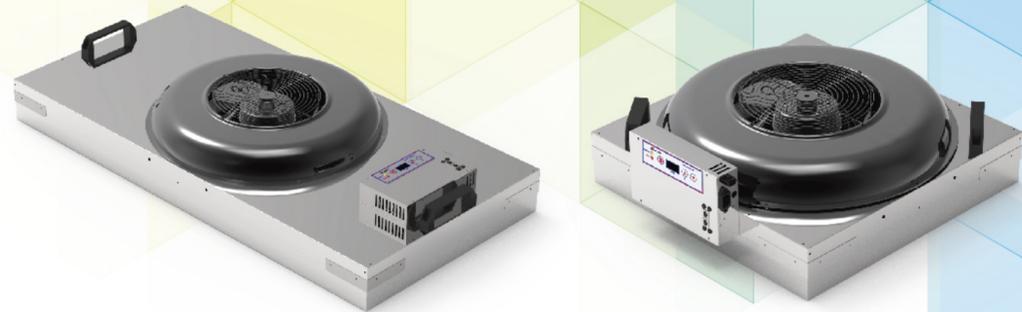
**POWER** AC 1Ø 220V 50/60Hz

**MOTOR** EC Brushless Frequency Converter Motor

**HEPA** Aluminum frame, Filtration efficiency 99.99% at 0.3um  
(Optional: ULPA 99.999% at 0.1~0.12um)

**CERTIFICATION** CE, RoHS, EN1822

**OPTIONAL CERTIFICATION** UL, SEMI



| Item                     | MS-SD220S      | MS-SD320S      | MS-SD420S       | MS-SD220S       | MS-SD220S        |
|--------------------------|----------------|----------------|-----------------|-----------------|------------------|
| Size (mm)                | W573*D573*H180 | W918*D573*H180 | W1173*D573*H180 | W1173*D873*H180 | W1173*D1173*H180 |
| HEPA Size (mm)           | 570*570*50     | 915*570*50     | 1170*570*50     | 1170*870*50     | 1170*1170*50     |
| External Static Pressure | 160            | 160            | 160             | 160             | 160              |
| Air Velocity (m/s)       | 0.35~0.5       | 0.35~0.5       | 0.35~0.5        | 0.35~0.5        | 0.35~0.5         |
| Air Volume (cmm)         | 7~10           | 12~16          | 15~20           | 23~30           | 30~40            |
| Power Consumption (W)    | 60~70          | 80~100         | 95~140          | 160~190         | 190~280          |
| Weight (kg)              | 14             | 16             | 18              | 31              | 35.5             |



# ACDT CleanRoom SOLUTION



**Air Clean Deviser Taiwan Corp.**

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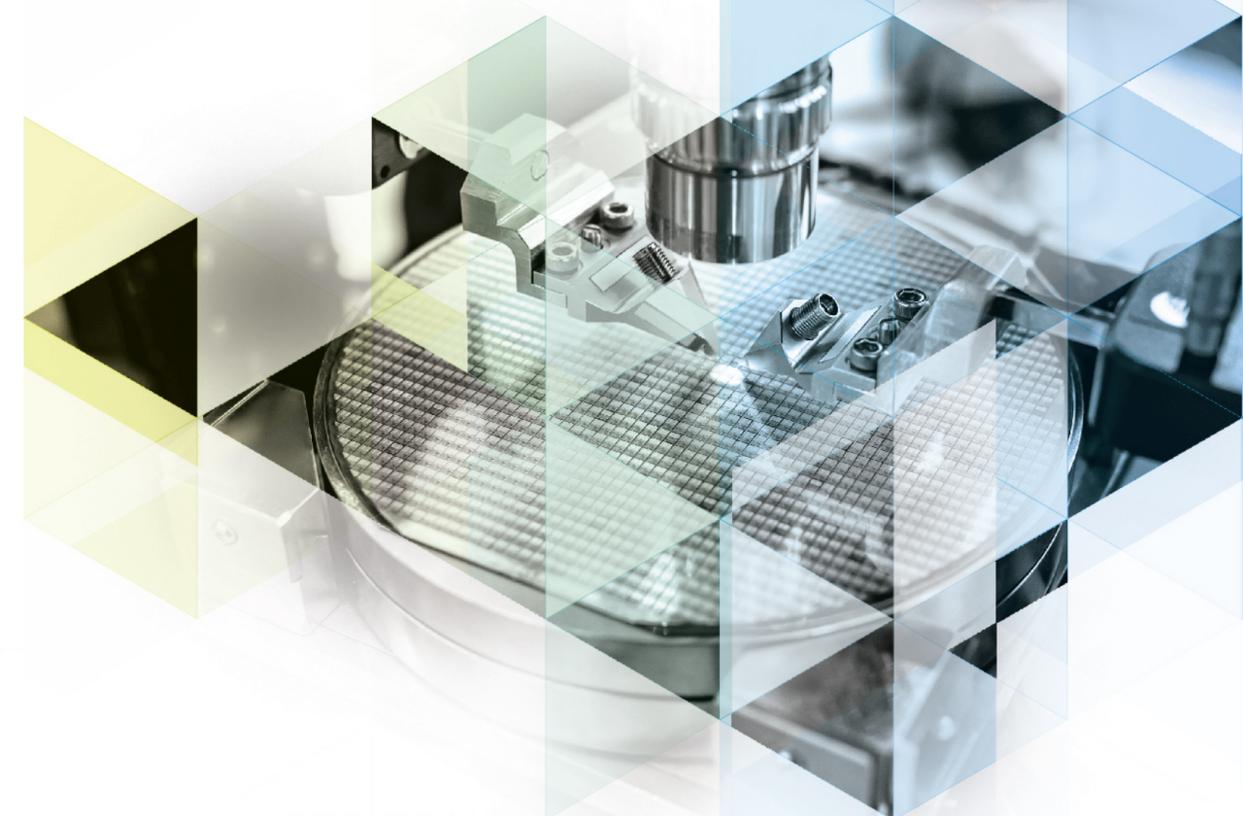
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Website



[www.acdt.com.tw](http://www.acdt.com.tw)



**AIR CLEAN DEVISER TAIWAN**

Serve with The Best Quality

# ACDT FFU Standard Type

**MATERIAL** SUS430 & AL-Zn

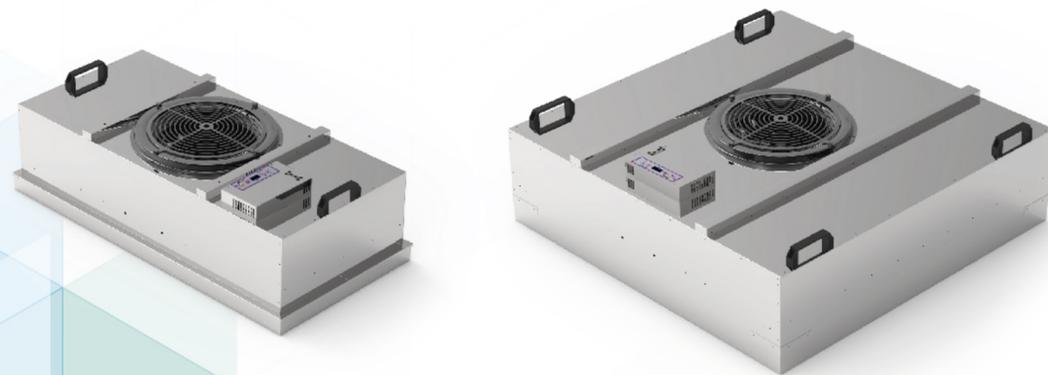
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**CERTIFICATION** CE, RoHS, EN1822

**OPTIONAL CERTIFICATION** UL, SEMI



| Item                     | SD420S          | SD220S         | SD430S          | SD525           | SD440S           |
|--------------------------|-----------------|----------------|-----------------|-----------------|------------------|
| Size (mm)                | W1175*D573*H350 | W575*D575*H350 | W1173*D873*H350 | W1473*D723*H350 | W1175*D1175*H350 |
| HEPA Size (mm)           | 1170*570*50     | 570*570*50     | 1170*870*50     | 1470*720*50     | 1170*1170*50     |
| External Static Pressure | 160             | 160            | 160             | 160             | 160              |
| Air Velocity (m/s)       | 0.35~0.5        | 0.35~0.5       | 0.35~0.5        | 0.35~0.5        | 0.35~0.5         |
| Air Volume (cmm)         | 15~20           | 7~10           | 23~30           | 23~30           | 30~40            |
| Noise Level (dB)         | 52~59           | 50~57          | 50~58           | 50~58           | 55~60            |
| Current (A)              | 0.43~0.55       | 0.30~0.34      | 0.64~0.84       | 0.66~0.89       | 0.87~1.05        |
| Power Consumption (W)    | 89~115          | 65~75          | 140~170         | 140~170         | 180~235          |
| Weight (kg)              | 26              | 18             | 31.5            | 34              | 43.5             |

## BIG AREA PC Group Monitoring System

- Control the operating, stop, RPM, and monitor the operating/failure status of large quantities of FFU.
  - Collect signals by Gateway.
  - Connect to Gateway, HUB, and PC by Ethernet TCP/IP.
  - Can control a maximum of 96390 units of FFU.
  - Compatible with ACDT's graphic control software.
- If ACDT's graphic control software is not used, the system can be connected by the RS485 communication interface on FMGC, built-in standard communication protocol Modbus RTU, PLC, HMI, or data collectors, and use commercially available control software such as iFIX, intouch, and WinCC.

## SMALL AREA FFU Mini Group Control System

- LCD screen
  - The User can control and set FFU from the display screen.
  - Monitor the status (RPM, Operating, Failure, Alarm) of FFU in a single unit, as a group, or in a loop (all connected FFU).
  - Control the on/off and adjust air volume of FFU in a single unit, as a group, or in a loop (all connected FFU).
  - Can divide all connected FFU units into multiple groups.
  - Can check FFU alarm code.
  - Built-in buzzer for failure alarm.
  - Can connect to PC through RS485 communication interface and built-in standard Modbus RTU communication protocol.
- 2 sets of built-in signal output, can connect according to requirement (choose two out of three).
    - A. Differential pressure gauge abnormal signal
    - B. FMGC Power On
    - C. FFU abnormal signal
  - Differential pressure gauge sensor signal input (0~10V or 4~20mA).
  - Can add customized function (differential pressure display).
  - Can connect up to 255 units of FFU.
  - Can connect a maximum of 63 units of FMGC.

# AIR CLEAN DEVISER TAIWAN

Serve with The Best Quality

**AIR CLEAN DEVISER TAIWAN CORP.**

is a professional designer & manufacturer of clean room equipment.

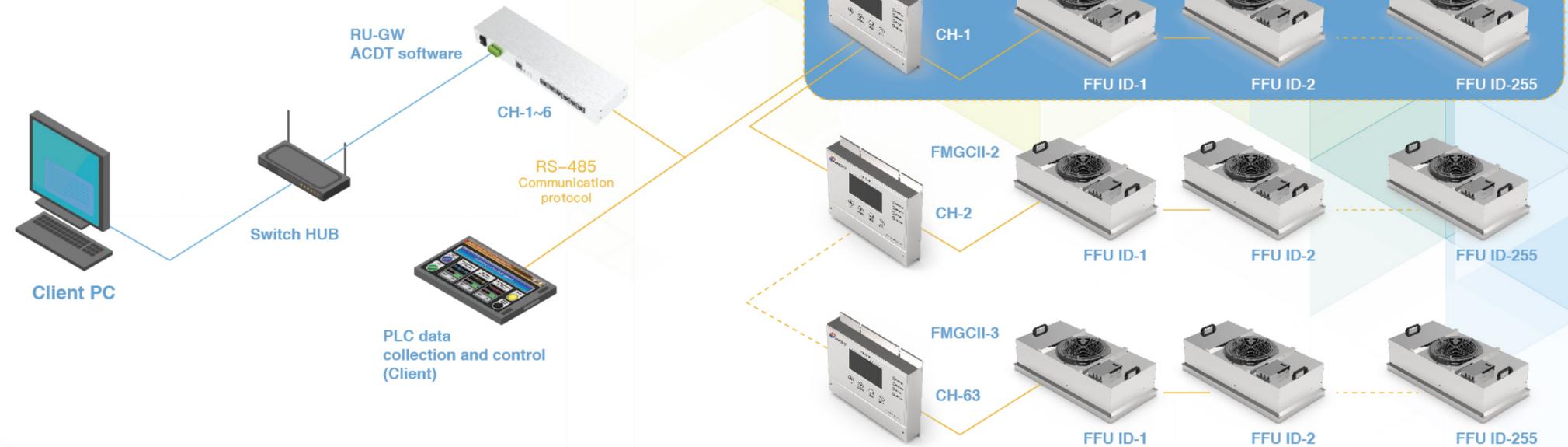
The scope of our services includes product & project engineering design, consultant & inquiries, project planning and management, professional manufacture of clean room equipment & facilities.

Our clients include *industries of IC Electronics, TFT Optoelectronics, Universities & Educational Research Institutes, IAQ Environmental, Auto Packing & Material Handling Equipment, Biological, Biochemical, Biotechnology, Food, Optics, Medical & Pharmaceutical, and Laboratories, etc.*

Our faith is to serve with the best quality and guarantee it to be carried out by every employee.

## ACDT Central Monitoring System

RU-GW to FMGCII has 6 CH (loop)  
Each CH (loop) can connect 1~63 units of FMGCII  
Maximum transmission distance of single loop is 1.2km



## FFU Mini Group Control System

FMGCII to FFU has 1 CH (loop)  
Each CH (loop) can connect 1~255 units of FFU  
Maximum transmission distance of single loop is 1.2km

