

# ACDT FFU Super Thin Type

**MATERIAL** SUS430 & AL-Zn

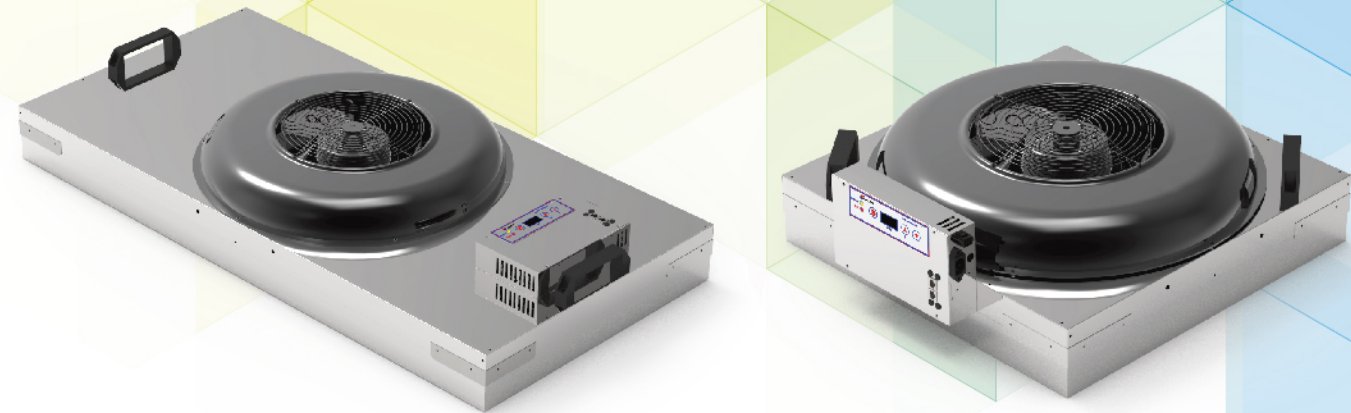
**POWER** AC 1Ø 220V 50/60Hz

**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



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**AIR CLEAN DEVISER TAIWAN**

Serve with The Best Quality



# ACDT FFU Standard Type

**MATERIAL** SUS430 & AL-Zn

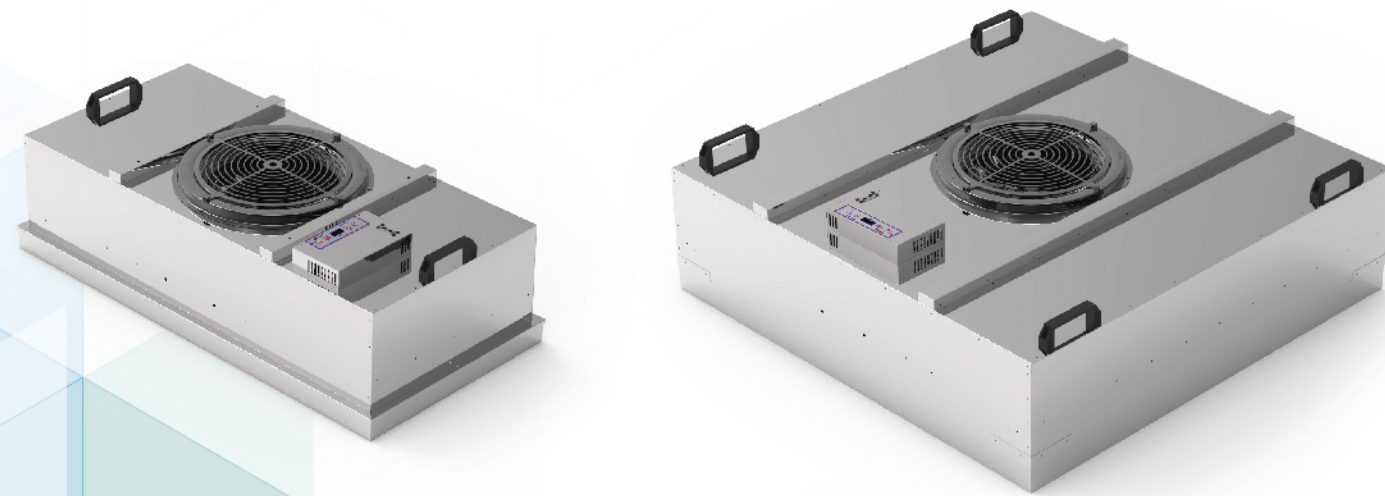
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**CERTIFICATION** CE, RoHS, EN1822

**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.

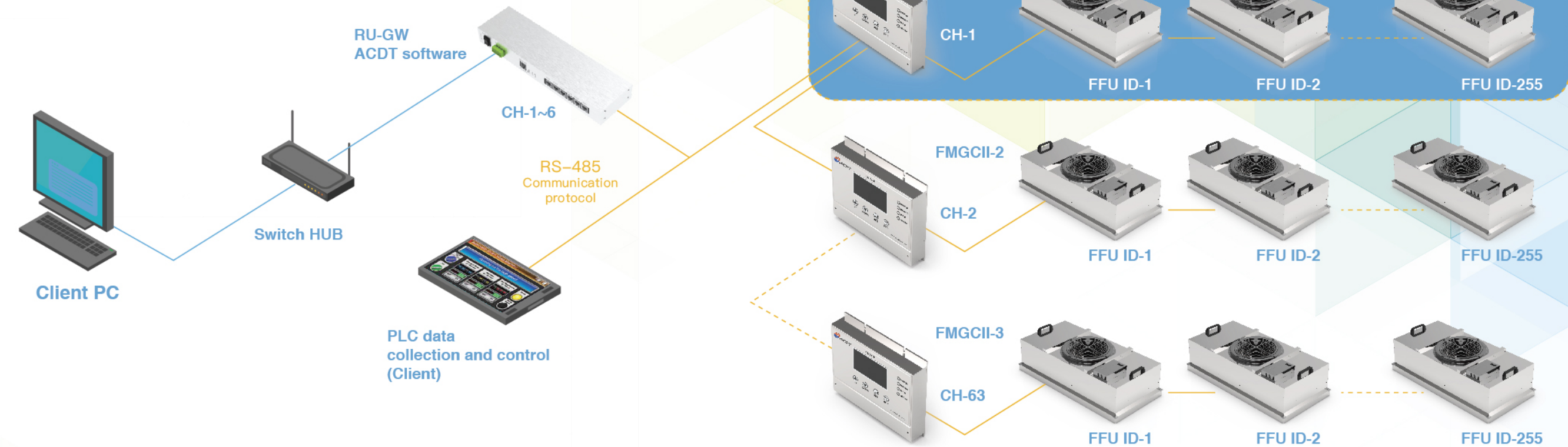
The scope of our services includes product & project engineering design, consultant & inquiries, project planning and management, professional manufacture of clean room equipment & facilities.

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

