



风机过滤机组 Fan Filter Unit



优点 Features

风机过滤机组是一种高度空气洁净装置,省能源、低费用、高机外静压、低噪音、可独立控制,可弹性扩建。

- * Energy efficient
- * Low cost
- * High static pressure
- * Low noise levels
- * Can be independently controlled
- * Flexibility to expand to multiple units

应用场所 Applications

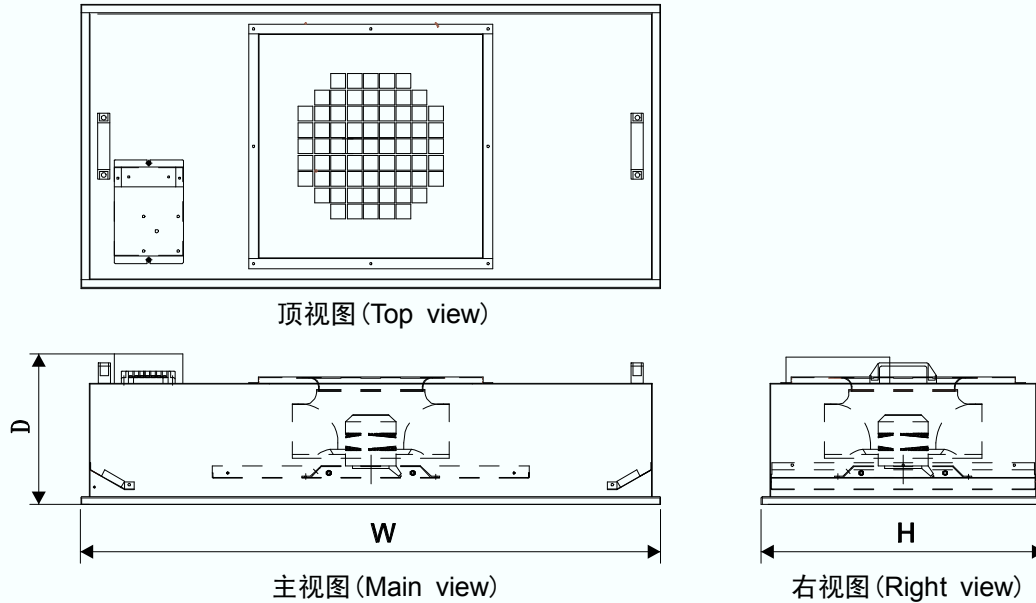
1. 无尘洁净室 Cleanroom
2. 洁净棚 Clean booth
3. 制造间 Production room
4. 半导体、液晶显示制造商以及配有无尘室的所有行业都可使用,尤其是洁净需求在10, 100, 1000, 10000, 100000五种等级 (Class 10、Class 100、Class 1000、Class 10000、Class 100000) 及大量多台使用的场所。

The fan filter unit has multiple uses in semiconductor, LCD manufacturing, and other industries requiring a clean room, particularly Class 10 through Class 100000.

规格表 Specifications

项目 Item	规格 Specifications
模组尺寸 (Module size)	1200mm * 600mm
过滤器尺寸 (Filter size)	1170mm * 570mm * 50mm
风速 (Air velocity)	0.30~0.42m/s
风量 (Airflow)	15CMM
风机 (FAN)	铝质涡轮风机 (国产与进口两种型号) Aluminum turbo-fan
噪音值 (Noise level)	56dB (A)
机外静压 (External static pressure)	80Pa
振动 (Vibration)	0.8CM/S
箱体 (Housing)	铁板烤漆、不锈钢、铝板、镀锌板 (Paint finished metal sheet, stainless steel sheet, aluminum sheet, galvanized steel sheet)
电源 (Power supply)	1 ϕ 220V 50HZ
额定功效 (Rated power)	150W
选购品 (Options)	入风口预过滤器, 吸入口法兰 (Pre-filter, duct flange air suction)

过滤器三视图 Three Dimensional View



注意事项与保养

1. 本装置有控制盒或附有电源线，请接单相AC 220V电源。
2. 风机组附异常指示灯及外接接点，可自行检视异常原因，有绿色LED灯显示当前电机的工作档位。正常运转时异常指示灯（Alarm）灭，正常送电下，风机无运转时异常指示灯亮。异常时可能出现以下情况：马达超载跳脱；马达线圈烧毁；内部接线脱落。
3. 前置及主过滤器更换
前置过滤器蓄积颗粒比较大的尘埃，需每隔7~10日清理1次。请连框一起拆下清洗后再装入使用。主过滤器灰尘集积愈多时风速、风量减少。如滤网之压损增大至原来2倍时，或未达清净等级时则须更换。
4. 为使风机过滤机组发挥最佳效果，在安装时请详细检查各部件，同时一年最少做1~2次定期检查。

Operation and maintenance

1. This device has a control box or power cord. Please connect to a single-phase AC 220V power source.
2. The device automatically checks for proper operation. The alarm light is off when operations are normal. The alarm light turns green when the unit is not functioning properly. Most likely causes are motor overload, a burned out wire, or a loose wire.
3. Clean prefilters once every 7-10 days. Velocity and air volume decreases when too much dust accumulates. Replace HEPA filters when pressure drop increases to 2 times initial pressure drop.
4. In order to keep the FFU running properly, please check the components before setup. Perform regular maintenance checks at least 1-2 times per year.