



Green Contractor Award 2019



- ✓ Direct delivery of dust from the tailor-made chimney & reduce the chance of dust spread
- ✓ 直接從量身定制的塵袋輸送灰塵並減少灰塵傳播的機會
- ✓ 直接从量身定制的尘袋输送灰尘并减少灰尘传播的机会

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Safety Initiative – Welding Ventilator

Introduction: There are numerous researches showing that metal fumes can cause serious illness to welders. For example, the adverse effect may include acute respiratory irritation, metal fume fever and even instances of the respiratory tract. Using flame masks is a common choice to solve inhalation of toxic metal fumes.

The difference between traditional welding ventilation system and CRP?

Traditional dust removal method: Through Personal Protective Equipment such as flame masks can be used to protect welders, the risk of health can be quite significant in certain "special" work environment. For example, confined space such as drainage works or utility enclosed indoor area like a conference hall without windows, etc. will put welders at risk when they are working there. In this case, local ventilation should be a better choice for providing a safe and health environment.

Mission:

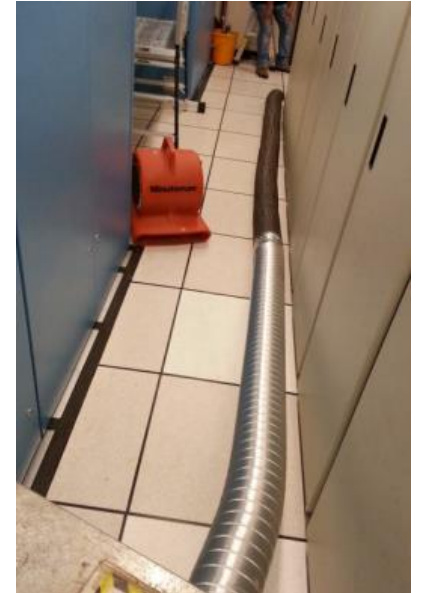
1. Complies with high requirement
2. To provide a safer and health environment to the welders
3. Less impact on health of welder
4. To reduce possibility of metal fumes inhaled by welder and others nearby
5. To reduce the spread of fumes with resistance and time resistance to others can be avoided
6. High Durability
7. To be suitable for high mobility of maintenance works
8. User friendly
9. To be easy for any welder to set up at any height of working point

How applicable? Welding ventilator was developed according to the mentioned challenge. In fact, firstly it can vent the metal fumes out of "special" work area to provide a safer and less working time. Also it can remove major toxic substances in metal fumes to keep clear air flow. More importantly, it is easy for delivery because of low accessibility in most "special" work area in substation or office.

Welding Ventilator:

Key:

- Weld Ventilator with extract fan
- Welding process
- Fire retardant duct



- ✓ Apply Air Conditioning concept for better ventilation in special work environment
- 應用空調概念在特殊工作環境中提供更好的通風
- ✓ 应用空调概念在特殊工作环境中提供更好的通风



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- ✓ Flexible and Reusable noise absorber to reduce the Noise nuisance
- ✓ 提供靈活且可重複使用的隔音屏減低噪音滋擾
- ✓ 提供灵活且可重复使用的隔音屏减低噪音滋扰

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- ✓ Solar energy is produced by different solar panel and stored for some different equipment
- ✓ 由太陽能電池板產生電力，並存儲在某些不同的設備中
- ✓ 由太阳能电池板产生电力，并存储在某些不同的设备中

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Waste Producer's Copy
廢物產生者存根

Environmental Protection Department
環境保護署
Waste Disposal Unit
廢物處理組

Form No. EPD 1154481

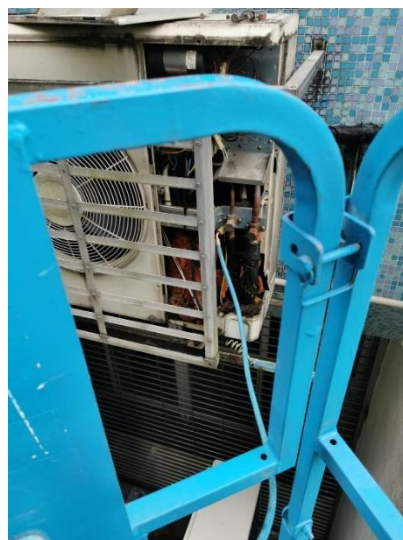
Waste Description	Quantity	Weight	Volume	Material	Category	Code	Remarks
1	1000	1000	1000	Fluorescent Tubes	Waste Electrical and Electronic Equipment (WEEE)	16 01 01	
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1	1000	1000	1000	Fluorescent Tubes	Waste Electrical and Electronic Equipment (WEEE)	16 01 01	



- ✓ Reduce the environmental risk from improper disposal of these lamps and to recover resources.
- ✓ 減少因不當處置這類燈管所帶來的環境威脅外，亦可回收有用的物料供循環再造
- ✓ 減少因不当处置这类灯管所带来的环境威胁外，亦可回收有用的物料供循环再造



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- ✓ Use refrigerant recovery machines approved by the Environmental Protection Department to recover and re-use refrigerants.
- ✓ 採用經環保署核准的雪種回收機收集雪種，以循環再用
- ✓ 采用经环保署核准的雪种回收机收集雪种，以循环再用



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- ✓ The sprinkler system specially designed for the demolition of external walls for dust reduction
- ✓ 專為外牆打拆而設的灑水系統減低塵埃
- ✓ 专为外墙打拆而设的洒水系统减低尘埃