



產品介紹
化寶爐及其煙霧淨化系統
2014

STAR GLORY ENVIRONMENTAL TECHNOLOGIES LTD.

A. 公司簡介

專門供應空氣之環保設備供應商

- ▶ a. 用於工商業的空氣過濾系統
 - ▶ b. 用於水處理廠之玻璃纖維設備
 - ▶ c. 防火閥及防火防煙閥
 - ▶ d. 調氣閥及閉氣閥
 - ▶ e. 用於水處理廠之不銹鋼設備
 - ▶ f. 空调用之空氣熱能回收器
 - ▶ g. 用於水及氣閥之電動執行器
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- ▶ 如需詳情，請上 www.starglory.net



B. 產品介紹

- ▶ 1. 用於工商業之空氣污染控制系统
- ▶ 2. 化寶爐及其煙霧淨化系統
- ▶ 3. 化寶爐由炭鋼板製造加上抵受300°C之高溫塗層。爐內壁裝有抵受1000°C之 高溫隔熱板
- ▶ 4. 水簾煙霧淨化器由不銹鋼304或316製造
- ▶ 5. 污水及污泥是跟據現行相關之排污法例處理才排放
- ▶ 6. 排出少量的白色之水蒸氣
- ▶ 7. 化寶爐及其煙霧淨化系統均可跟據現場情況度身訂造



C. 案例



玄圓學院



玄圓學院

C. 案例



屯門醫院



廣華醫院

D. 工作原理

- ▶ 1. 循環高壓水泵把水打成霧化狀態及變成水蒸氣微粒，把大部份之煙霧微粒粘住。
- ▶ 2. 特製之不銹鋼防阻塞之過濾網把絕大部份之微粒格除
- ▶ 2. 高壓鼓風機把機內空氣製造大量繞流促使空氣和水渾合
- ▶ 3. 污泥自然地沉澱於機底



E. PRODUCT CHARACTERISTICS

- ▶ 1. 超高過濾效率高達 96%
- ▶ 2. 簡單及已獲專利的設計
- ▶ 3. 節省位置
- ▶ 4. 彈性安裝及佔地很少
- ▶ 5. 只需用水，不需其他耗材，例如化學品及後備電器組件
- ▶ 6. 全自動化操作 - 從開關至換水，都不須人手
- ▶ 7. 極少須要修理，非常可靠及耐用
- ▶ 8. 可於高於500°C之非常高溫下運作



F. 專利設計

《專利條例》(第 514 章)

CERTIFICATE OF GRANT OF SHORT-TERM PATENT

Patents Ordinance (Chapter 514)

茲證明下述短期專利在今日批予:

I hereby certify that a short-term patent with the following particulars has been granted today:

專利所有人姓名或名稱及地址 **Name and Address of Proprietor:**

CHAN, Kin Shing

HONG KONG

專利編號 **Patent No.:** HK1164041

申請編號 **Application No.:** 12104083.6

發明名稱 **Title of Invention:**

煙霧淨化系統

SMOKE PURIFICATION SYSTEM

短期專利有效期 (在符合續期的規定下) **Term of Short-term Patent (subject to renewal):**

由 25.04.2012 起計 8 年

Eight years commencing on 25.04.2012



G.

效能測試

D. MEASUREMENT RESULTS

Table 1 : Measurement results for the particles larger than 2.5µm at comparing the measuring results of the sampling location taken at Inlet and Exhaust

Location: Yuen Yuen Tao Institute

Sampling Identification	Sampling Point Number	Sampling Location	Sampling Time (min)	Flow Rate of the Sampling Air (l/min)	Weight of Total Suspended Particulates on Filter (g)	Weight of Total Suspended Particulates in the air (g/m3)	Percentage Reduction (%)
YY-01	1	Inlet	8	15	0.0044	0.036	91.7%
YY-02	2	Exhaust	8	15	0.0004	0.003	

Table 2 : Measurement results for the particles larger than 2.5µm at comparing the measuring results of the sampling location taken at Inlet and Exhaust

Location: Kwong Wah Hospital

Sampling Identification	Sampling Point Number	Sampling Location	Sampling Time (min)	Flow Rate of the Sampling Air (l/min)	Weight of Total Suspended Particulates on Filter (g)	Weight of Total Suspended Particulates in the air (g/m3)	Percentage Reduction (%)
KWH-01	1	Inlet	8	15	0.0035	0.029	>96.6%
KWH-02	2	Exhaust	8	15	<0.0001	<0.001	



H. 對社會的好處

- ▶ 1. 選用高效能之水泵及鼓風機，沒有其他用電之過濾設備
- ▶ 2. 過濾達 96%之煙霧微粒
- ▶ 3. 消滅絕大部份之氣味
- ▶ 4. 持久地維持高效，不會因為過濾器飽和而降低效率



I. 對於用家的益處

- ▶ 1. 由於全自動操作，需要極少人手去操作及維護
- ▶ 2. 由於不用耗電之過濾器材，所用之能源較少
- ▶ 3. 原全為客戶全面度身訂造
- ▶ 4. 沒有高壓電擊之風險



- ▶ 多謝各位!
- ▶ 問題?

