

STEAM BOILER

NETWORK REMOTE MONITORING TYPE

網路遠端監控蒸汽鍋爐



前瞻
Advanced

創新
Innovation

人性化
Users Friendly

產品特點

PRODUCT FEATURE

空間利用

Space Utilization

1. 採用方形設計，外型簡單俐落且保養容易。

Adopting square design, neat appearance and easy maintenance.

2. 多台整齊並連使用，鍋爐室較以往小**30~50%**。

Multiple units are used neatly in parallel, and the boiler room is 30-50% smaller than before.

空間利用升級
Space utilization
upgrade



VS



燃燒效率

Combustion Efficiency

1. 鍋爐燃燒效率標準製定於**96%**以上，提供最高效能等級。

The boiler combustion efficiency standard is set at more than 96%, providing the highest efficiency level.

2. 最高效率達**98.5%**。

The highest efficiency is 98.5%.

安全裝置

Safety Equipment

爐水控制 Boiler Water Control

- 給水量不足檢知
Water insufficiency
inspector
- 水位控制異常檢知
Water level control
error inspecting

溫度控制 Temperature Control

- 爐體溫度偵測器
Boiler body temperature
sensor
- 水管溫度偵測
Water tube temperature
sensor

蒸汽控制 Steam Control

- 全量式安全閥
Full bore safety valve

燃料控制 Fuel Control

- 瓦斯/柴油/重油電磁閥
Gas/Diesel/Heavy oil
solenoid valve
- 瓦斯壓力開關
Gas pressure switch
- 噴槍
Nozzles
- 油溫顯示
Oil-temperature display

程式控制 Program Control

- 程式控制器
Program controller
- 控制迴路漏電檢知
Control circuit leakage
detection
- 人機介面-盤面控制器
HMI-panel controller

診斷鍋爐運轉狀況及協助故障排除

Identify boiler's operating conditions and assist with troubleshooting.



加入「志豪遠端監控」line群組
Join the "ZU HOW Remote Monitoring" line group

操作簡單 Easy to use 即時掌握狀況 Real-time grasp of the situation

同時監視並控制多台鍋爐運轉

Monitor and control several boilers concurrently.

- 可連接志豪維修中心，維修人員同步關注鍋爐狀況。
Connect with ZU HOW service centre. The maintenance crew are simultaneously monitoring the condition of the boiler.
- 可選擇單獨連接內部網路，方便公司內部管理操作鍋爐。
Connecting separately to the internal network is available to facilitate the company's internal management and operation of the boiler.

紀錄故障時間

Record the time of failure.

方便維修人員完整掌握鍋爐狀態

Convenient for the maintenance crew to fully grasp the status of the boiler.

紀錄鍋爐運轉狀態

Record boiler's operating conditions.

- 紀錄蒸發量、燃料消耗量、給水量 / 紀錄蒸汽壓力、水管溫度、排氣溫度、給水溫度
Record: Evaporation amount, fuel consumption and feed water amount. /
Record: Steam pressure, water tube temperature, exhaust temperature and feed water temperature.



- 紀錄統整&列印日報表及月報表
Integrate records & print daily reports and monthly reports.



空間及流程圖

SPACE & PROCESS CHART

以瓦斯燃料系統為例
Take the gas fuel system as an example.



鍋爐房 Boiler Room

1. 方形機台並連使用，空間利用最大化。

The square design is used in parallel to maximize space utilization.

2. 提供專業完善的配管服務，讓空間整齊俐落同時大幅提升安全性。

Provide professional and complete piping services to make the space neat and tidy while greatly improving safety.

01. 加壓機	Water Booster Pump	10. 壓力表	Pressure Gauge
02. 軟水機	Soft-water Conditioner	11. 人機介面	Human Machine Interface
03. 藥液槽	Chemical Tank	12. 蒸汽出口閥	Steam Valve
04. 藥注機	Dosing Pump	13. 瓦斯電磁閥	Gas Solenoid Valve
05. 軟水槽	Soft-water Tank	14. 球塞閥	Ball Valve
06. 給水泵浦	Feed Water Pump	15. 法蘭	Flange
07. 排放閥	Discharge Valve	16. 二段式瓦斯電磁閥	Two-stage Gas Solenoid Valve
08. 鍋爐本體	Boiler Body	17. 瓦斯高/低壓開關	Gas High/Low Pressure Switch
09. 水位計	Water Gauge	18. 瓦斯過濾器	Gas Strainer

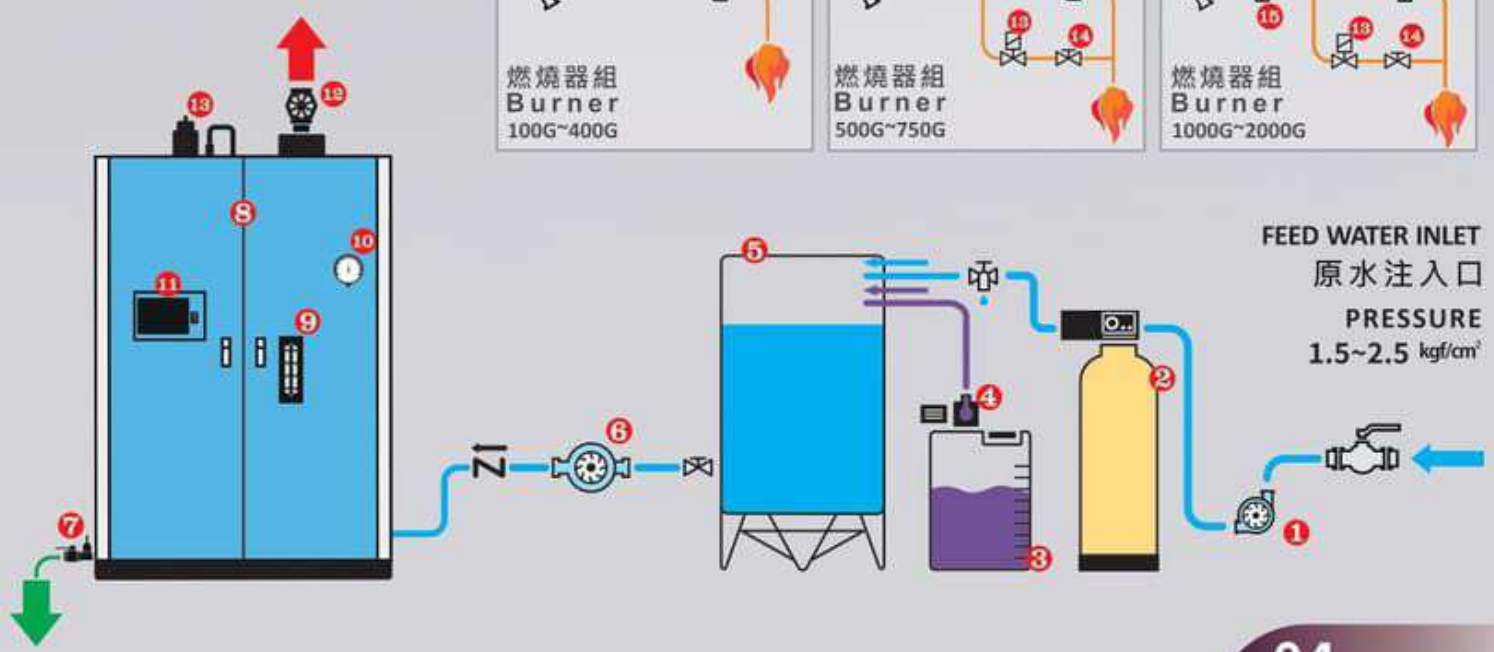
給水管路 FEED WATER PIPELINE

瓦斯管路 GAS PIPELINE

蒸汽管路 STEAM PIPELINE

藥液管路 CHEMICAL PIPELINE

排水管路 DRAIN WATER PIPELINE



1. 診斷鍋爐運轉狀況及協助故障排除。

Identify Boiler's Operating Conditions and Assist with Troubleshooting.

2. 紀錄故障時間、位置、蒸發量、燃料消耗量、給水量、蒸汽壓力、水管溫度、排氣溫度、給水溫度。

Record: Malfunction Time, Malfunction Position, Evaporation Amount, Fuel Consumption, Feed Water Amount, Steam Pressure, Water Tube Temperature, Exhaust Temperature and Feed Water Temperature.

3. 紀錄統整&列印日報表及月報表。

Integrate Records & Print Daily Reports and Monthly Reports.



同時監控多台鍋爐運轉
Monitor and Control Several Boilers Concurrently.



鍋爐效率性能&標準規格 BOILER PERFORMANCE & STANDARD SPECIFICATIONS

項目 Item		型號 Model		G	ME-1000GF	ME-1500GF	ME-2000GF			
				K	ME-1000KF	ME-1500KF	ME-2000KF			
				H	ME-1000HF	ME-1500HF	ME-2000HF			
Performance 性能	換算蒸發量 Equivalent output		kg/h		1000	1500	2000			
	發生熱量 Heat output		kcal/h		539000	808000	1080000			
	傳熱面積 Heating surface area		m ²		9.9	9.9	9.9			
	最高壓力 Max.pressure		kgf/cm ²		10	10	10			
	保有水量 Water content		l		176	176	163			
	鍋爐效率 Boiler efficiency		G	%	96	96	96			
			K		93	93	93			
			H		93	93	93			
	給水預熱器 Water preheater		-		Y	Y	Y			
	燃燒方式 Combustion type		-		TWO-STAGE	TWO-STAGE	TWO-STAGE			
	燃料消耗量 Fuel consumption		NG	13A	Nm ³ /h	56.7	85	113.6		
				LPG	Propane	kg/h	49	73.4	98.2	
			Butane		kg/h	51.5	77.2	103.2		
			柴油 Diesel				l/h	69	103.4	138.2
			B重油 Heavy oil B				l/h	65	97.5	130.3
			C重油 Heavy oil C				l/h	62.6	93.8	125.4
	本體設備電力 Electrical power capacity		G		kw	3.9	7.9	11.4		
			K		kw	4.3	8.3	11.8		
			H		kw	10.3	16.3	19.8		
	輔機電力 Power of auxiliary equipment		給水泵馬達 Water pump motor		kw	1.5	2.2	3.7		
送風機馬達 Exhausting fan motor			kw	2.2	5.5	7.5				
噴燃泵馬達 Injection pump motor			kw	K:0.4 H:0.4	K:0.4 H:0.4	K:0.4 H:0.4				
控制盤 Control panel			kw	0.2	0.2	0.2				
電器加熱器 Electric heater			kw	H:6.0	H:8.0	H:8.0				
Pipe diameters 接頭口徑		瓦斯入口管徑 Gas inlet dia		13A	mm	40	50	50		
				LPG	mm	40	40	40		
		燃料入口管徑 Fuel inlet dia		K	mm	25	25	25		
				H	mm	25	25	25		
		給水入口管徑 Feed water inlet dia		mm	25	25	40			
		蒸汽出口管徑 Steam outlet dia		mm	50	50	65			
		爐水排放管徑 Boiler-water drain dia		mm	25	25	25			
		安全閥管徑 Safety valve dia		mm	32	40	40			
		自動排放管徑 Auto blowdown dia		mm	10	10	10			
		煙囪外徑 Chimney dia		ømm	330	360	360			
引入電源線徑 Power wire inlet dia		G	mm ²	5.5	8	14				
		K	mm ²	5.5	8	14				
		H	mm ²	14	22	22				
Size 尺寸		長 Length		mm	2600	2600	2600			
		寬 Width		mm	1250	1250	1250			
		高 Height		mm	2330	2330	2390			



- ME-×××G代表瓦斯鍋爐,ME-×××K代表柴油鍋爐,ME-×××H代表重油鍋爐。
- 供應電源為三相 / 220v / 60Hz標準品,電源異動請另行通知。
- 燃料低位發熱量: 13A = 9900 kcal/Nm³; LPG Propane = 11460 kcal/kg; LPG Butane = 10900 kcal/kg; Diesel=8400kcal/l; B Heavy Oil=8910kcal/l; C Heavy Oil=9260kcal/l。
- 1000kg/h-2000kg/h機種中壓供氣0.8-3.5kgf/cm²,鍋爐瓦斯入口前加裝減壓系統減至400~1000mmAq。低壓供氣壓力要穩定,壓降不可太大,流量要足夠。
- 產品因改良需要,亦可做部分修改,不另行通知。

- ME-×××G indicates gas boiler.ME-×××K indicates diesel boiler.ME-×××H indicates heavy oil boiler.
- Standard power is 3-Phase / 220v / 60Hz. Notice of change,if any, is required.
- Fuel consumption is calculated at low heat value: 13A = 9900 kcal/Nm³ ; LPG Propane = 11460 kcal/kg ; LPG Butane = 10900 kcal/kg ; Diesel=8400kcal/l ; B Heavy Oil=8910kcal/l; C Heavy Oil=9260kcal/l.
- 1000kg/h-2000kg/h model supply pressure 0.8-3.5 kgf/cm².Installation of pressure reducing device, gas entrance to the boiler to reduce 400~700mmAq. Low pressure supply should be stable, pressure dropping can't be too rapid, and the gas flow should be enough.
- Partial modification for improvement is allowed without notice.



服務團隊 SERVICE TEAM

本公司是專業的鍋爐製造廠，如有任何需求歡迎與我們聯絡。
ZU HOW Industry is a professional boiler manufacturer.
Please do not hesitate to contact us with any inquiry.



志豪官方網站

雲林總公司 • YUNLIN HEAD OFFICE



 雲林縣虎尾鎮頂溪里崁腳30號
No.30 Kanjiao, Dingxi Village, Huwei
Township, Yunlin County, 63250 Taiwan.

 +886-5-6223611  zuhow@ms32.hinet.net
 +886-5-6223077  www.zuhow.com.tw
www.zuhow-boiler.com





- ISO 9001(2015)國際品質認證
ISO 9001(2015) International Quality Certified
- 中華民國鍋爐及壓力容器製造設施檢查合格認證
Boiler and Pressure Vessel Manufacturing Facility
Qualified Certificate by Republic of China
- 美國機械工程師學會ASME「S」及「U」認證標
Awarded American Society of Mechanical Engineers (ASME)
"S" Stamp and "U" Stamp



台北分公司 • TAIPEI BRANCH
新北市土城區
Tucheng District, New Taipei City

 +886-2-2268-6566
 +886-2-2269-3339



苗栗分公司 • MIAOLI BRANCH
苗栗縣頭份市
Toufen City, Miaoli County

 +886-37-676-123
 +886-37-676-790



台中分公司 • TAICHUNG BRANCH
台中市霧峰區
Wufeng District, Taichung City

 +886-4-2332-3111
 +886-4-2331-1122



嘉義分公司 • CHIAYI BRANCH
嘉義縣中埔鄉
Zhongpu Township, Chiayi County

 +886-5-239-1515
 +886-5-230-7575



台南分公司 • TAINAN BRANCH
台南市新化區
Xinhua District, Tainan City

 +886-6-598-4525
 +886-6-598-2425



高雄分公司 • KAOHSIUNG BRANCH
高雄市仁武區
Renwu District, Kaohsiung City

 +886-7-375-3111
 +886-7-373-9796



台東分公司 • TAITUNG BRANCH
台東縣台東市
Taitung City, Taitung County

 +886-89-385-168
 +886-89-385-169



泰國工廠 • THAILAND FACTORY
泰國 羅勇
Rayong, Thailand

 +66-38-650-598~600
 +66-38-650-596~597

越南工廠 • VIETNAM FACTORY
越南 胡志明市
Ho Chi Minh City, Vietnam

 +84-28-3796-8078~9
 +84-28-3796-8077

河內分公司 • HA NOI BRANCH
越南 河內
Ha Noi City, Vietnam

 +84-938-144-717
 +84-24-3204-7566

發行日期 Date of Issue : 2022/03

本公司保留一切更改權利。恕不另行通知。
We reserve all the right to change, without notice.

內容資料及圖片嚴禁轉載。
Reproduction of all contents and images are strictly prohibited.