

DOWTHERM BOILER

VERTICAL / HORIZONTAL

熱媒鍋爐
立式 / 臥式



前瞻
Advanced

創新
Innovation

人性化
Users Friendly

1. 特殊煙道設計，達到燃燒熱傳導的最高效率。

The special flue design creates the most efficient heat transfer from combustion.

降低
排氣溫度
Reduce exhaust
temperature

避免
局部高熱
Avoid local
overheating

2. 加熱管設計端詳，熱煤油流速平均、壓降小，避免局部過熱現象，以確保熱煤油及設備之壽命。

The comprehensive design ensures the flow of the thermal medium from inlet to outlet is steady, with minimum pressure drop and no local overheating of thermal medium to avoid shortening the medium's life.

普遍應用於超高溫的作業需求上，同時滿足高規格的安全標準與降低作業成本的條件。

It is widely used in the process that requires ultra-high temperature while meeting high-safety standards and reducing operating costs.

安全作業

Safe operation

熱煤鍋爐為一種高溫低壓的加熱系統，在高溫加熱處理上安全可靠。

Thermal oil boiler is a high temperature and low-pressure heating system, which is safe and reliable in high-temperature processes.

在需加熱至200°C~300°C超高溫的作業需求上，必須選用更耐高壓的設備才能達到溫度的需求。

The processes that require ultra-high temperature up to 250°C ~ 300°C needs equipment with a higher pressure resistance to meet the temperature requirements.



加熱、冷卻、乾燥、熔融等應用領域

Application fields such as heating, cooling, drying, melting, etc.



化學工業

Chemical industry



塑膠工業

Plastic industry



瀝青工業

Asphalt industry



塗料及汽車工業

Paint and automotive industry



合成纖維工業

Synthetic Fiber industry



橡膠工業

Rubber industry



食品工業

Food industry



造船工業

Ship industry



建築設備工業

Architectural interior industry



瓦楞紙工業

Corrugated cardboard industry

經濟耐用

Economical and durable

將熱煤油輸出至各種加熱裝置後，再回到鍋爐循環加熱使用，以提高生產線的熱效率。

After the thermal medium is output to various heating equipment, it returns to the boiler for circulating heating, which improves the thermal efficiency of the production line.

• 熱媒循環泵浦異常自動停機

The circulation pump automatically stops when abnormal

• 膨脹槽低液位控制器

Expansion tank low level controller

• 回油溫度控制器

Returned thermal medium temperature controller

• 差壓控制器

Differential pressure controller

• 燃燒溫度控制器

Combustion temperature controller

• 煙囪溫度控制器

Chimney temperature controller

• 安全閥

Safety valve



設備配置安全

Device configuration safety

膨脹槽底部設置高度須高於設備管路三公尺以上

The base of the expansion tank should be installed at least 3 meters higher than the equipment pipelines.

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

項目 Item		立式 Vertical			臥式 Horizontal							
型號 Model	G	DO-15G DO-20G DO-30G	DO-50G DO-60G DO-80G DO-100G DO-125G DO-150G DO-175G DO-200G									
	K	DO-15K DO-20K DO-30K	DO-50K DO-60K DO-80K DO-100K DO-125K DO-150K DO-175K DO-200K									
	H	DO-15H DO-20H DO-30H	DO-50H DO-60H DO-80H DO-100H DO-125H DO-150H DO-175H DO-200H									
出力熱量 Heat output	×10000 kcal/hr	15 20 30	50 60 80 100 125 150 175 200									
最高使用溫度 Max. working temperature	°C	300 300 300	300 300 300 300 300 300 300 300									
設計壓力 Design pressure	kgf/cm ²	7 7 7	7 7 7 7 7 7 7 7									
鍋爐熱煤油容量 Boiler dowtherm oil content	L	140 180 350	460 600 930 1100 1850 2200 2600 3700									
燃料消耗量 Fuel consumption	天然瓦斯 13A Gas	Nm ³ /h	17.8 23.8 35.7	59.4 71.3 95.1 119.0 149.0 178.0 208.0 238.0								
	液化瓦斯 LPG	kg/h	15.4 20.5 30.8	51.3 61.6 82.1 103.0 128.0 154.0 180.0 205.0								
	柴油 Diesel oil	L/h	21.0 28.0 42.0	70.0 84.0 112.0 140.0 175.0 210.0 245.0 280.0								
	重油 Heavy oil	L/h	19.1 25.4 38.1	63.5 76.2 101.6 127.0 159.0 191.0 222.0 254.0								
燃燒機型號 Burner type	瓦斯 Gas	-	G30S G40S G60S	G100T G120T G150T G200T G250T G300T G350T G400T								
	柴油 Diesel oil	-	K30S K40S K60S	K100T K120T K150T K200T K250T K300T K350T K400T								
	重油 Heavy oil	-	H30S H40S H60S	H100T H120T H150T H200T H250T H300T H350T H400T								
總設備電力 Electrical power capacity	瓦斯 Gas	KW	7.1 7.4 9.4	14.6 14.6 20.1 25.4 29.3 39.3 39.3 49.8								
	柴油 Diesel oil		7.1 7.1 9.8	15 15 20.5 25.8 30 40 40 50.9								
	重油 Heavy oil		11.1 11.4 13.8	21 21 28.5 33.8 40 50 54 64.9								
循環泵浦馬力 Circulation pump	HP	7.5 7.5 10	15 15 20 25 30 40 40 50									
鍋爐尺寸 Boiler dimensions	長 Length	mm	1570 1600 2050	3100 3400 4100 4700 5100 5800 6100 6700								
	寬 Width		1380 1380 1976	1750 1750 2000 2000 2100 2100 2100 2200								
	高 Height		2000 2150 2400	2000 2000 2300 2300 2500 2500 2500 2550								
熱煤油出口口徑 Thermal oil DIA	-	2" 2" 2-1/2"	2-1/2" 2-1/2" 3" 3" 4" 4" 4" 5"									
煙囪口徑 Diameter of chimney	mm	150 200 200	290 290 330 360 360 380 480 480									
鍋爐概略重量 Approximate weight	kg	1000 1200 1500	2700 3000 3800 5600 5900 7000 7800 8600									



1. 供應電源為 3 相 / 220V / 60Hz. 標準品, 電源異動請另行通知。
2. 燃料種類 DO-×××H: 重油; DO-×××K: 柴油; DO-×××G: 瓦斯。
3. 重油燃料低位發熱量: 9260 kcal/l; 柴油燃料低位發熱量: 8400 kcal/l。
4. 燃料低位發熱量: 13A=9900 kcal/Nm³; LPG=11460 kcal/kg。
5. 瓦斯供給壓力 13A: 200 mmAq; LPG: 280 mmAq, 發熱量 500,000 ~ 2,000,000 kcal/h 機種中壓供氣 0.8-3.5 kg/cm²。
鍋爐瓦斯入口前加裝減壓系統減至 400~700 mmAq (500,000 ~ 800,000 kcal/h) ; 900~1400 mmAq (1,000,000 ~ 2,000,000 kcal/h)。
6. 產品因改良需要, 可做部份修改, 不另行通知。
7. 鍋爐效率之誤差容許值為 ±1%。

1. Standard power is 3-Phase / 220v / 60Hz. Notice of change, if any, is required.
2. Fuel type DO-×××H: Heavy oil; DO-×××K: Diesel; DO-×××G: Gas.
3. Heavy oil is calculated at low heat level: 9260 kcal/l; Diesel is calculated at low heat level: 8400 kcal/l.
4. Fuel consumption is calculated at low heat value: 13A=9900 kcal/ Nm³ , LPG=11460 kcal/kg.
5. Gas supply pressure 13A: 200mmAq; LPG: 280mmAq. Heat output 500,000 ~ 2,000,000 kcal/h supply pressure 0.8~3.5 kgf/cm²。
Installation of pressure reducing device, gas entrance to the boiler to reduce 400~700 mmAq (500,000 ~ 800,000 kcal/h) ; 900~1400 mmAq (1,000,000 ~ 2,000,000 kcal/h).
6. Products may be changed for omprovement without notice.
7. Boiler efficiency tolerance value ±1%.



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.



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- 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
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