

燁立實業股份有限公司

SOLWELL ENTERPRISE CO., LTD.

22103 新北市汐止區大同路三段 196-12 號 4 樓 4F, No. 196-12, Sec. 3 Tatong rd., Xizhi City, Taiwan

TEL:886-2-86472277 FAX:886-2-86473668 E-mail:master@solwell.com.tw

<http://www.solwell.com.tw>

inPlan 鍋爐特點如下

1. Our boiler are heat insulated with 150mm special stone wool with aluminium sheet.

我們的鍋爐是採用 150mm 特殊岩棉及鋁板來隔熱

2. Our horizontal type boilers are provided with a front door on hinges. So the boiler door can be opened for inspection and cleaning very easily.

水平式的鍋爐還提供一鉸鏈的前門，所以在鍋爐的檢查及清理上更為便利

3. The boiler and the burner are provided with all the necessary control-and monitoring appliances, ready wired and fitted with multi-core control cables including multi-pin plugs. So customer don't have to make any wiring of the control cables at site. This execution avoids failures of the wiring of the plant.

鍋爐與燃燒機皆備有控制及監控設備且已配有多功能控制電纜及多功能排插組。因此，使用者不需自行另外準備連結的控制線組。如此一來更可以全面防止誤接盤面的情況。

4. Our boilers have a very high boiler-combustion of efficiency (approx. 94% with gas firing at full load and 280°C supply temperature and preheated combustion air for example). That means customer can save a lot of fuel oil.

我們的鍋爐具有高效的內燃效能（在使用重燃油並提供 280 度的環境下約有 94%的效率(加上預加熱的熱回收系統 7%)）這也意味著使用者可以節省下大量的加溫油料

5. The boiler and the pumps are complete assembled The connection pipeline with fittings between circulating pump and heating unit as well as the fittings on the suction side of the circulation pumps are pre-assembled in our works. All pieces are to admit for heat transfer oil up to 350°C

operating temperature. The nominal bore of valves, dirt traps and other installation material is selected according to the heat output of the INPLAN-boiler and the operational requirements. For transportation some parts of the heating unit will be dismantled.

鍋爐與泵浦具有完整的組裝性。在循環泵浦及加熱器之間的連結管路已預先在循環泵浦的吸入端配置好連結的配件。所有的管路都可以承受高達 350 度的工作溫度。閥門、濾汙器及其他的安裝元件皆是依據 INPLAN 鍋爐的熱排放量及操作特性所選定的。在運輸的過程中，有部份的導熱元件將不會被安裝上去。

6. Our boiler is equipped with a cooled rear panel (cooled by thermo oil), which increased the efficiency. Therefore we have no concrete at the back side of the boiler which has to be exchanged from time to time.

我們的鍋爐配有一個提高效能用的冷卻背板(冷卻熱煤油用)。因此我們不需要時時刻刻注意在鍋爐的背面做更換耐火泥板。

7. InPlan boilers are equipped with a flow watching and monitoring equipment for each pipe of the heating coil. So every single pipe of the heating coil is watched separately.

InPlan 的鍋爐針對每一條加熱盤管上的管路都具備流量觀查與監控設備。因此，每一條加熱線圈上的管路都可獨立監控。

8. The inner and outer coil inside the boiler shell can expand to the back of the boiler. The fixed point is the connection from the coil through the boiler shell to the outside flanges.鍋爐殼體的內外盤管可以延伸到鍋爐背面，固定點是從盤管通過鍋爐殼體連接外面的法蘭，可避免熱漲冷縮造成的問題。

9. We have a safety temperature limiter to watch the flue gas temperature, direct after the boiler. If the temperature is too high, it will give alarm.

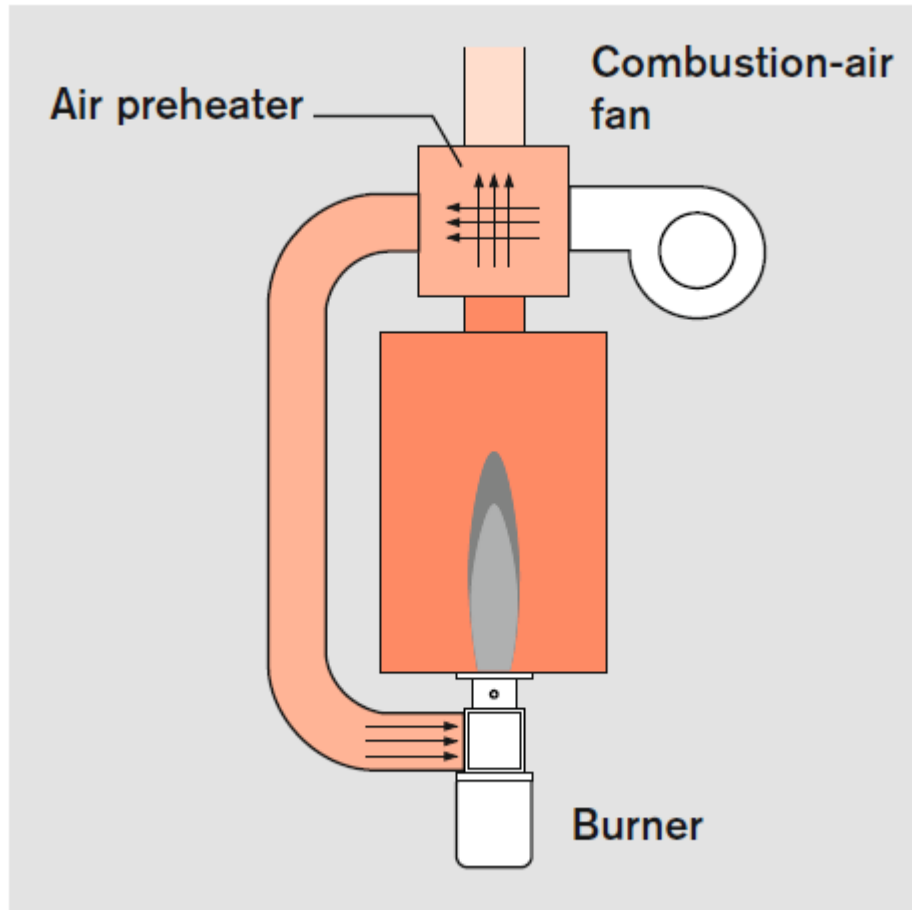
排氣溫度控制，有安全溫度設計，直接控制鍋爐，如果溫度過高就會給予警報

10. The heating surface in the boiler is approx. 116-117m².

鍋爐的交換面積為 116 -117m².

11. Regarding preheated combustion air please find enclosed a picture. By preheating the combustion air the combustion efficiency can be increased up to 7%.

透過遇熱助燃空氣，燃燒效率可提高 7%，可參考下列附圖



Combustion air temperatures up to 250 °C

至於從燃料源由 重油改成天然氣有下列優勢！

- 1) 瓦斯熱值較高（熱焓）約 9900-10000kcal/m³
- 2) 乾淨能源，可完全燃燒，符合排氣空氣污染防治措施
- 3) 因為完全燃燒，無任何雜質引入，可加裝廢氣排放回收熱交換器，可提什熱效率高達 94%.
- 4) 可針對能源政策，作適當調配及價位調控