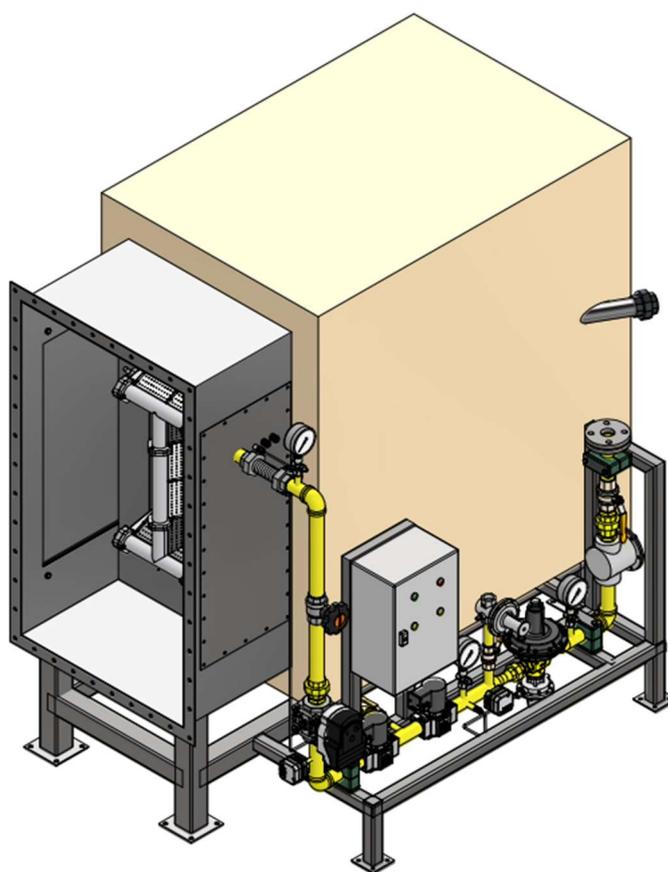


## DFB Burners

### 空气管道式直接加热燃烧器



--- 高效率燃烧器

Extremely energy-efficient burner system.

--- 多样化的燃烧控制方式

Diversified combustion control mode.

--- 易于安装保养

Easy installation, maintenance-friendly.

--- 运行安全可靠

Safe operation

### 应用领域

- 【 复合材料工业
- 【 涂装工业
- 【 食品工业
- 【 纺织工业
- 【 纤维、造纸工业

### Application

- 【 Composite material industry
- 【 Coating, painting working industry
- 【 Food industry
- 【 Textile industry
- 【 Paper-making and fabric-material industry

Type 型号	Capacity 功率	Consumption(天然气耗量) Natural Gas(8,200Kcal/Nm <sup>3</sup> )	Consumption(LPG 耗量) LP Gas(25,000Kcal/Nm <sup>3</sup> )
DFB. FT	300 Kw/ft	31, 4m <sup>3</sup> /h	10 ,32m <sup>3</sup> /h

燃烧器以 0.5 或 1 英尺单位长度组合成不同的形状。

### 技术要求

输出功率 capacity	147~3000KW(120,000~2,580, 000kcal/H)
工艺风流速 process air velocity	7.5m/s ~ 20m/s
调节比 Max. turn-down ratio	30 : 1
燃烧热效率 efficiency	100% (低热值 low calorific value ) or 92% (高热值 high calorific value )
火焰长度 flame length	250~400mm

### 应用

- 在工艺热风 and 燃烧产物直接混合的应用场合
- 建筑材料的间歇式或连续式干燥设备
- 涂装，搪瓷等表面处理的干燥
- 印刷工业：凹版和胶版印刷和表面涂层机械
- 食品工业：粮食产业，饲料、烟草的烘培等

应用此燃烧机系统的工艺加热形式：

**直接加热** – 燃烧产物直接进入主要的工艺气流中，这种方式下可以为工艺应用提供一个高的换热效率（92%）。在温度需要精确控制的工况下，需要“高调节比”的控制机构，而 DFB 系列燃烧器在此方面可以满足其应用需求。

短火焰的设计也是 DFB 系列燃烧器的一大亮点，在许多需要直接加热的应用中。



## Application

- Application for direct mixing in the process of hot air and combustion products.
- Building materials, intermittent or continuous drying equipment
- Printing, gravure printing,
- Offset printing and coating machine
- Food industry, feed, tobacco baking

Application form of the combustion process of heating system:

**Direct Fired** - The products of combustion are directly discharged into the main process airflow providing a high heat transfer efficiency (92%) to the process application. The high “turndown” ratio that the DFB series burner systems offer ensure they are ideal for applications where accurate temperature control is required. Short flame profiles are a characteristic of the DFB series burner, ideal for many direct fired air heating applications.

DFB L/T 系列燃烧器系统:带助燃风机

DFB L/T series burner systems with fan:

- 控制 : 连续、大/小火 (只对燃气调节有效)
- Operation : Modulating 、 High/Low (*Modulating gas only*)

DFB 系列燃烧器系统:工艺风助燃

DFB series burner systems without fan:

- 控制 : 连续、大/小火 (只对燃气调节有效)
- Operation : Modulating 、 High/Low (*Modulating gas only*)

DFB L /T 燃烧器组成: 燃烧加热室, 燃烧器, 助燃风机,, 燃气安全调节阀组, 控制箱及其他部分组件。

DFB L /T burner comprises a burner wind box including protective burner cowl, combustion air fan, gas valve train and control box and combustion chamber.

DFB 燃烧器组成: 燃烧加热室, 燃烧器, 燃气安全调节阀组, 控制箱及其他部分组件。

DFB burner comprises a burner, gas valve train and control box and combustion chamber.

	标准设备 Standard Equipment	选择项 Options
燃料 Fuels	天然气 Natural gas	LPG
控制电压 Control Voltages	230V	110V
助燃风机电源供应 Combustion Air Fan Electrical Supplies	400V/3ph/50Hz or 60Hz	230V/1ph/50Hz
火焰监测 Flame Sensing	离子棒 Flame Electrode	紫外线光电管 U.V. Cell

## 案例 Case Show



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