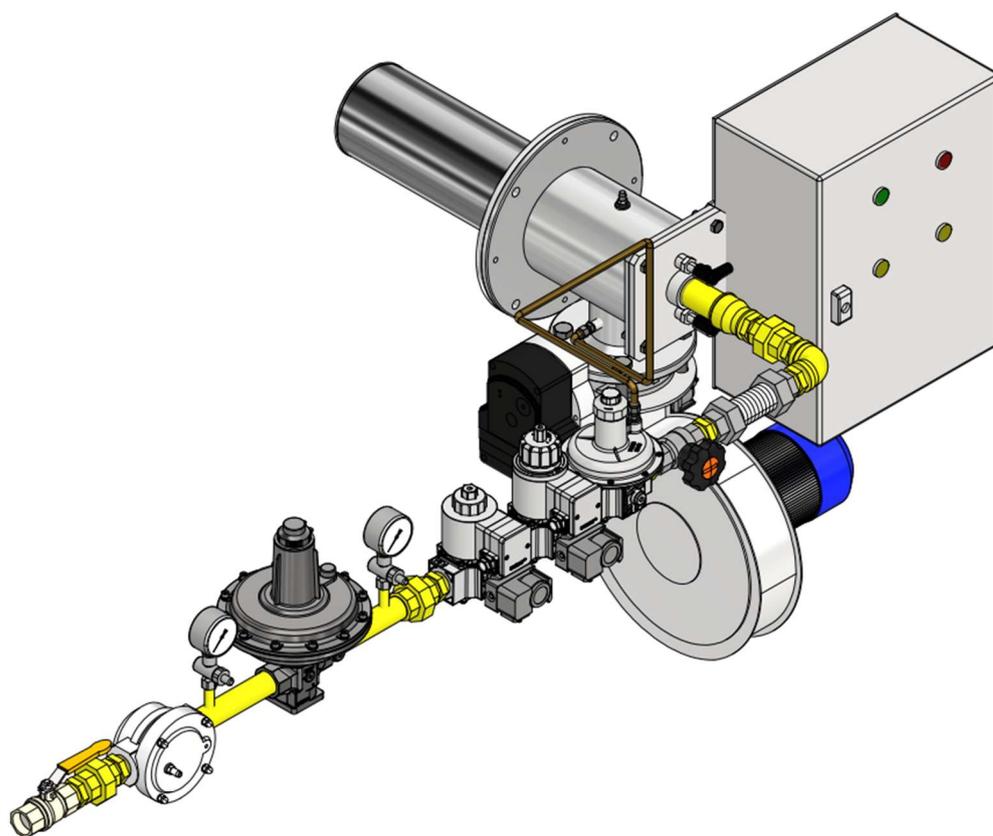


OPB 工业燃烧器

Oven Packaged Burners



---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
- 【 有色金属行业
- 【 食品工业
- 【 纺织工业
- 【 纤维、造纸工业

Application

- 【 Composite material industry
- 【 Coating, painting working industry
- 【 Non-ferrous metals processing 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 ³)	Consumption(LPG 耗量) LP Gas(25,000Kcal/Nm ³)
OPB 70	5-70 kW	7,3m ³ /h	2,4m ³ /h
OPB 150	6-150 kW	15,7m ³ /h	5,2m ³ /h
OPB 280	11-280 kW	29,4m ³ /h	9,6m ³ /h
OPB 450	18-450 kW	47,2m ³ /h	15,5m ³ /h

应用此燃烧机系统有两种工艺加热形式:

- A. 直接加热
- B. 间接加热

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 OPB 系列燃烧器在此方面可以满足其应用需求。
调节比=最大燃气量÷最小燃气量 例如: OPB 280L 产品。调节比= 280kW ÷ 11.2kW = 25:1

短火焰的设计也是 OPB 系列燃烧器的一大亮点, 在许多需要直接加热的应用中, 此设计使得 OPB 燃烧机可以与主循环风机的入口保持最近的距离。

间接加热 – 指那些燃烧产物不允许进入主工艺气流的工况。这种形式的加热方式一般出现在有潜在危险的可燃物或者是食品工业应用的情况下, 此时燃烧器系统需要配置一个换热器。一个典型的热交换器组成包括: 一个燃烧室和一系列用于给工艺气流加热的二级换热管。燃烧剩余气体通过排烟管道排放到大气中。

There are two methods for heating process air using a gas burner system:

- A. Direct Fired
- B. Indirect Fired

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 OPB series burner systems offer ensure they are ideal for applications where accurate temperature control is required. Turndown ratio is defined as:

“Turndown” = Maximum Firing Rate ÷ Minimum Firing Rate.

For example, an OPB 280L “Turndown” = 280kW ÷ 11.2kW = 25:1

Short flame profiles are a characteristic of the OPB series burner, ideal for many direct fired air heating applications enabling the burner system to be located relatively close to the inlet of the main re-circulating air fan.

Indirect Fired – Where the products of combustion are not allowed to enter the main process airflow, usually in potentially flammable or food industry applications, the burner system is fitted to a heat exchanger. A typical heat exchanger consists of a combustion chamber and a series of secondary heat exchanger pipes which indirectly heat the process airflow. The combustion gases are discharged to atmosphere by a conventional flue.



OPB L/T 系列燃烧器:

OPB L/T series burner systems:

- 控制：连续、大/小火 或 开/关 (只对燃气调节有效)
- Operation : Modulating 、High/Low or On/Off (Modulating gas only)

OPB GA 系列燃烧器:

OPB GA series burner systems:

- 控制：连续、大/小火 (空气和燃气同时调节)
- Operation : Modulating 、High/Low (Modulating air and gas)

调节比: 1:20 (不固定空燃比) Turndown ratio: 1:20 (Unfixed air-gas ratio)

OPB L /T/GA 燃烧器组成: 一个燃烧头、助燃风机, 空气燃气压力开关、燃气安全调节阀组, 燃烧控制器、点火变压器。

OPB L /T /GA burner comprises a burner head, combustion air fan, pressure switch for gas and air,gas valve train and control unit, ignition transformer .

	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	380V/3ph/50Hz	480V/3ph/60Hz
火焰监测 Flame Sensing	离子棒 Flame Electrode	紫外线光电管 U.V. Cell



案例 Case Show



烘干炉 Drying



回火炉 Tempering

上海炬联热工装备有限公司

Shanghai JULIAN Thermal Equipment Co., Ltd

地址:201101 上海市闵行区七莘路 3599 弄, 华商时代广场, 4#-409 室

Add: Room 409, T4, HuaShang Times Square, No. 3599 QiXin Road, Shanghai, P.R. China

Tel: +86 (0)21 64261134

Fax: +86 (0)21 54777275

E-mail: market_hjl@126.com

Http://www.sajl-thermaltec.com