

METAL FIBER BURNER

A metal fiber burner (MFB) is surface combustion type burner Fig.1 consists of flexible woven media and SUS316 mixing unit.

MFB is the most flexible in terms of installation which can be fitted to oven in any directions without flashback phenomena. This woven media can design conforming any product's shapes achieved precious uniform heating and energy efficiency due to low pressure drop perforate media permitted homogeneous combustion for both radiant Fig.2 and high-intensity blue flame mode Fig.3 and allow smooth translation between both modes.

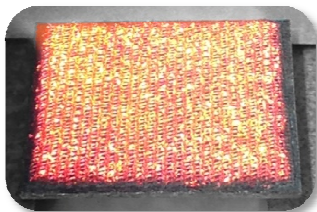


Fig.2 Radiant (Low)

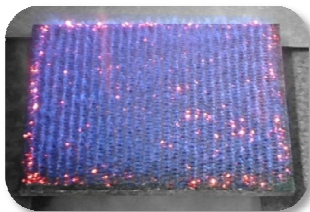


Fig.3 Blue Flame (High)

Perfect combustion air-gas ratio with Duo-mixer premixed unit designed by PP Systems allow high turn-down ratio and environmental friendly with low NOx and CO.

It is the best choice of investment due to maintenance free as no moving part, simple design durable material.

Contact : PP Systems (Thailand)

Website : www.ppss.co.th

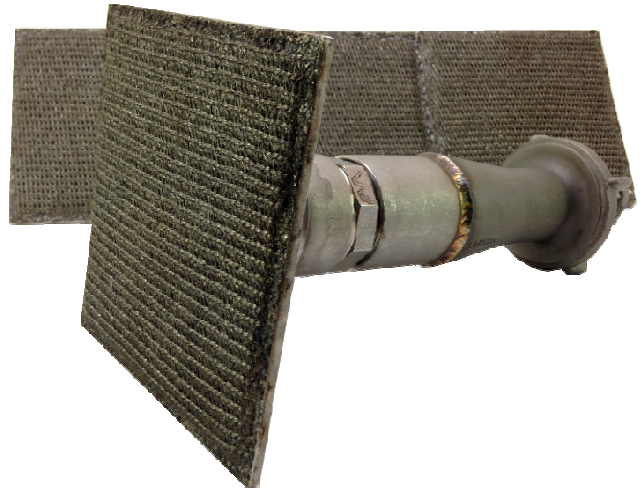


Fig.1 Metal Fiber Burner

MFB150	
Heat Input Range	13 - 78 kW / unit
Combustion Area	150mm x 150mm
Mixing Unit	
Standard	Atmospheric Type * Duo-mixer
Material	Stainless Gr.316
Size	2" Thread Conn.
Option	Force Draft Type
Metal Fiber	Woven Mat WFF1
Weight	2,000 g/m ²
Air Permit	240 cc/min/cm ²
Control methods	<ul style="list-style-type: none"> ✓ On/Off ✓ High/Low/Off ✓ Modulating 4-20mA

* Pressure 75 mbar - 3 bar

EMPLOYMENT DIAGRAM

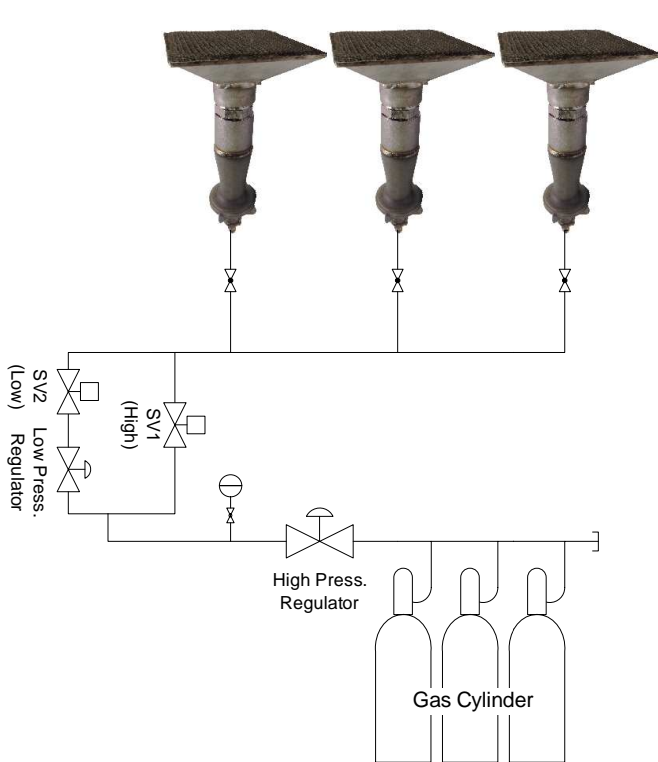


Fig.4 Atmospheric Type

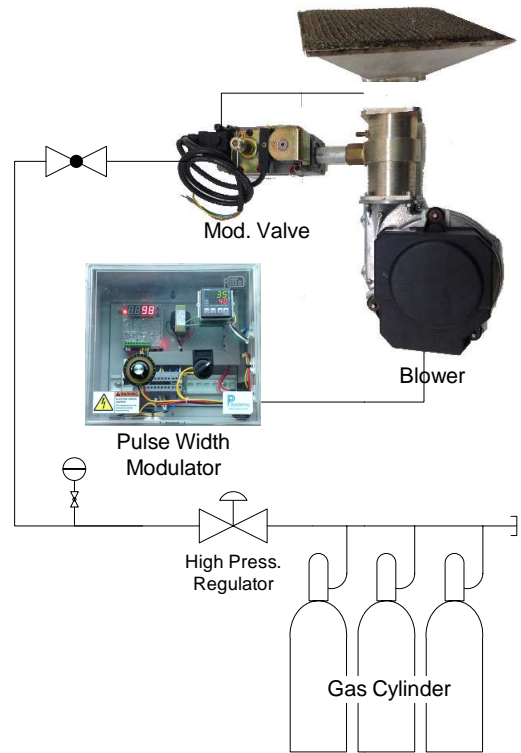
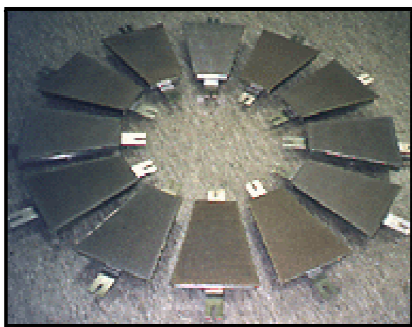
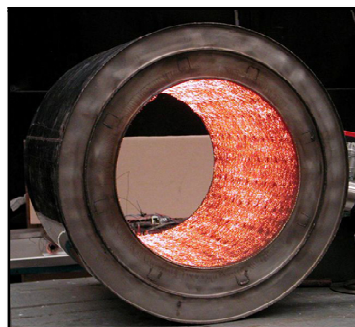


Fig.5 Force Draft Type

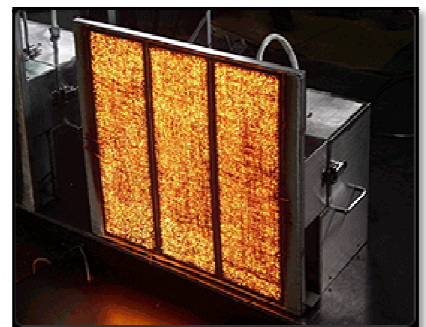
APPLICATIONS



- Industrial Boiler & Heater
- Aluminium casting
- Steel Industry



- Process heaters for refinery and petrochemical industry
- Glass bending, treatment and annealing



- Food grilling, frying and baking
- Paper, textile, paint drying
- Curing of coatings