

KILN BURNER

WESMAN COMBUSTION EQUIPMENT

K SERIES

Wesman 'K' series Kiln Burners (Lance Burners) provide utmost efficiency and reliability for the mineral processing industry. Our Kiln burners are equipped with precision nozzles, swirlers and diffuser/stabilizers to ensure correct mixing of air and fuel. This provides a stable flame pattern required for Kiln conditions. Kiln burners come with the option of one, two or three combustion air distributors suitable for fresh or pre-heated combustion air. Kiln burners can be supplied complete with refractory throat projected inside the kiln hood and overhead/ground mounted trolleys for kiln burner movement. Our kiln burners are offered in single or dual fuel options.

KEY FEATURES

- Range 4 to 16 Million BTU/hr
- Dual Fuel, Gas or Oil (light or heavy)
- Wide Turndown Range and Stable Flame
- Suitable for Automatic and Manual Operations
- Robust Construction

OPERATIONS

We offer multiple options for operating the Kiln Burner:

Simple Manual Operations

- Basic Controls with interconnected Air and Oil Control Valves.

Automated Burner Management Systems

- Relay Based Controllers
- PLC Based Controllers

■ Wesman offers full range of valves, gauges and pressure switches for oil, gas and air lines with our fuel handling systems.

■ Fuel Handling Systems for both oil and gas are customized to ensure proper fuel and air mixing for optimum combustion.

■ Automatic light up via direct spark ignition and pilot burner are available.

MANUEVERING SYSTEM

Kiln Burners are easy to inject into and retract out of the Rotary Kiln:

- Ground Mounted Trolley: Kiln burners can be placed on a ground mounted trolley and can be manually pushed in or removed from the rotary kiln.
- Overhead Mounted Trolley: Kiln burners can be mounted on an overhead mechanical sliding mechanism and slid in and out of the kiln.



BLOWERS FOR ROTARY KILNS

We supply a full range of Blowers for Rotary Kiln Applications:

- Combustion Air Fans
- ID Fans
- Nose Cooling Fans
- After Burner Combustion Fans

INDUSTRIAL APPLICATIONS

- Sponge Iron
- Cement
- Limestone
- Titanium
- Other Minerals

TABLE 1

ATOMIZER	OIL FLOW (KG/HR)	
	OIL PRESSURE @ 2.5 kg/ cm ²	OIL PRESSURE @ 15 kg/ cm ²
ZM-3-20	70	250
ZM-3-22	100	300
ZM-3-24	125	375
ZM-3-26	150	400
ZM-3-28	175	475
ZM-3-30	200	525
ZM-3-32	225	625
ZM-3-34	250	700
ZM-3-38	270	800
ZM-3-40	275	850
ZM-3-42	275	1050
ZM-3-44	290	1175
ZM-3-46	290	1250

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