



9 ppm NOx Compliance Out Of The Box For Larger Boilers

No Flue Gas Recirculation • No Operational Compromises
Easy Installation • Fast Commissioning

System Specs

Capacities:	800 to 1500 boiler HP
Fuels:	Natural Gas, LPG, Optional #2 fuel oil backup
Applications:	Scotch (firetube), Watertube Boilers
Emissions:	9 ppm NOx firing Natural Gas
Standards:	UL standard
	CSD-1, IRI, FM, NFPA optional
Motor Voltage:	460 V, 3 Ph, 60 Hz standard
	230, 380, 575 V, 50 Hz optional

Complete Burner Package

- Heavy duty windbox with hinged door for easy access to all internal components
- Durable stainless steel fiber mat burner head
- Variable speed air fan with premium efficiency motor
- Gas-electric pilot with pre-piped and wired pilot gas train
- Gas control valve with factory mounted servo motor
- Integral air filter with washable element

State of the Art Controls

- NEMA 12 enclosure
- UL listed flame safeguard control with IR flame scanner
- Precise linkage-less parallel-positioning fuel-air ratio control
- Variable Frequency Drive for air fan motor
- Lights for: power, load demand, limits complete, safety
- Alarm horn and silencing switch

Main Gas Train

- Main gas manual shutoff cock
- Main gas dual block shutoff valve with proof of closure on downstream valve
- High and low gas pressure switches
- Manual leak test shutoff cock
- Normally open vent valve
- Gas pressure regulator

Optional Equipment

- Oxygen trim
- Boiler Manager® PLC-based integrated burner-boiler controls in lieu of linkage-less controls

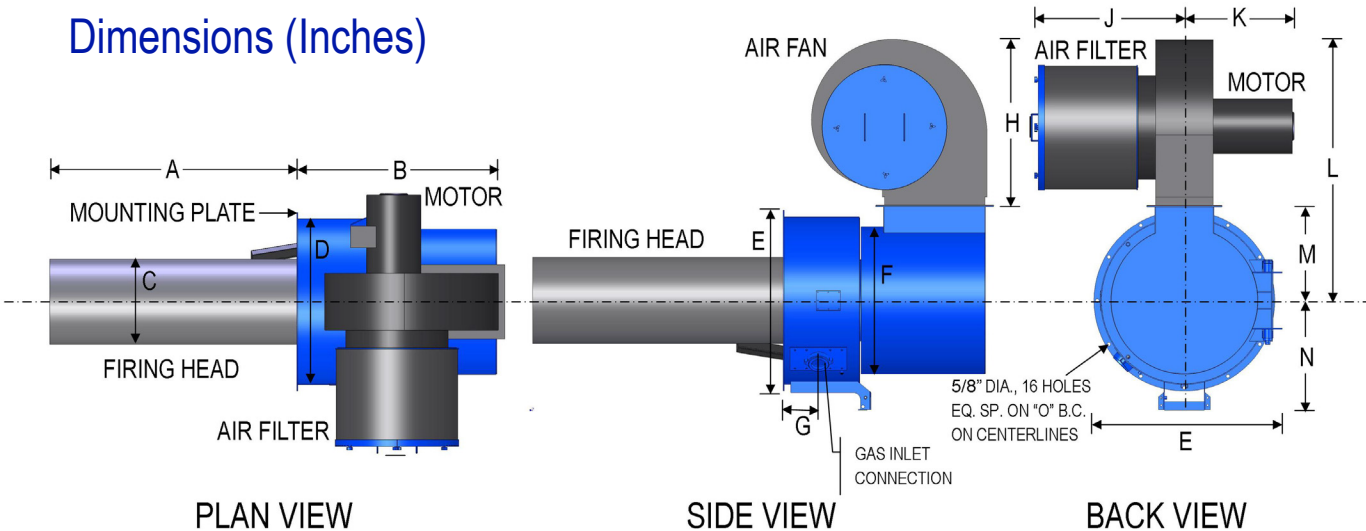


Capacities

Burner Size	Capacities ⁽¹⁾ Gas MBH	Boiler HP	Blower Motor ⁽²⁾ HP	Emissions ⁽³⁾	
				NOx (ppmvd)	CO (ppmvd)
NM – 800 – RF	33,600	800	60	9	50
NM – 900 – RF	37,800	900	75	9	50
NM – 1000 – RF	42,000	1000	75	9	50
NM – 1200 – RF	50,400	1200	100	9	50
NM – 1500 – RF	63,000	1500	125	9	50

- (1) Gas input based on 1,000 BTU/CF gas & 0.64 specific gravity. Boiler capacity based on 80% combustion efficiency. Burner capacity and blower motor HP rated for 0.75" w.c. furnace pressure at sea level and 60 cycle motor power.
- (2) Higher furnace pressure may require a larger burner size and motor HP requirements. Consult factory for job specific requirements.
- (3) Typical emissions corrected to 3% O₂ dry basis.

Dimensions (Inches)



Burner Size	A ⁽⁴⁾	B	C	D	E	F	G	H	J	K	L	M	N	O
NM – 800 – RF	*	68	26	49 ½	54	49 ½	11 ½	49 ¾	54 ¾	35 ½	77 ¾	28	28	51 ¾
NM – 900 – RF	*	68	26	49 ½	54	49 ½	11 ½	49 ¾	54 ¾	40 ½	77 ¾	28	28	51 ¾
NM – 1000 – RF	*	68	26	49 ½	54	49 ½	11 ½	49 ¾	54 ¾	40 ½	77 ¾	28	28	51 ¾
NM – 1200 – RF	*	68	26	49 ½	54	49 ½	11 ½	49 ¾	*	44 ½	77 ¾	28	28	51 ¾
NM – 1500 – RF	*	68	*	*	*	*	11 ½	49 ¾	*	50 ¼	77 ¾	*	*	*

- (1) All dimensions are subject to change without notice. Consult factory for current information.
- (2) Dimensions and specifications may change according to the application and emission targets.
- (3) Minimum firetube diameter shall be dimension "C" plus 12 inches.
- (4) * Consult factory where noted.

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