

NOXmatic® RF Series Ultra-Low NOx Burner

KEY FEATURES:

- Sub-9 ppm NOx compliance
- No Flue Gas Recirculation required
- High efficiency variable speed blower
- Easy access to all internal components
- Simple operation and maintenance
- Lower installation costs

DESCRIPTION:

The NOXmatic® uses stable, premix ultra low NOx technology to create a very compact, quiet, and energy efficient unit. The premix design uses a metal fibermat firing head and requires no FGR to deliver single digit NOx emissions, making it a simple and cost effective solution for almost any firetube, firebox or watertube boiler.

NOXmatic® remote fan systems are available in sizes up to 49,000 MBH (1,200 boiler HP) firing natural gas, LP gas, or emergency fuel oil backup. All feature our efficient backward curve blower that results in a lower horsepower requirement, less electrical consumption, and the lower noise levels of comparable burners on the market.

Efficiency and performance is further enhanced by a variable speed blower (VSB) package, supplied as standard equipment with all RF packages. VSBs provide significant cost savings with a 20 to 40% reduction in electrical consumption compared to single-speed blowers.

The innovative design also features S.T. Johnson's trademark swing-open housing that allows easy access to all burner components without removing the burner from the boiler. The firing head, igniter, flame detector and blower motor can all be accessed and removed for service in just minutes to minimize down time and service costs.



NOXmatic® RF series burners are designed to fire a combination of fuels including:

- **Natural**
- **LP**
- **Emergency backup fuel oil**

Available capacities:

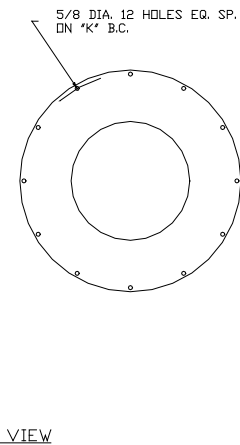
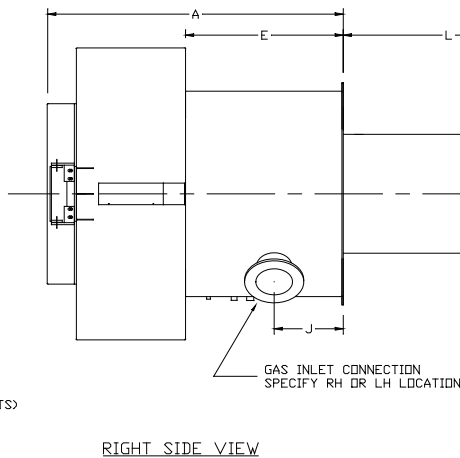
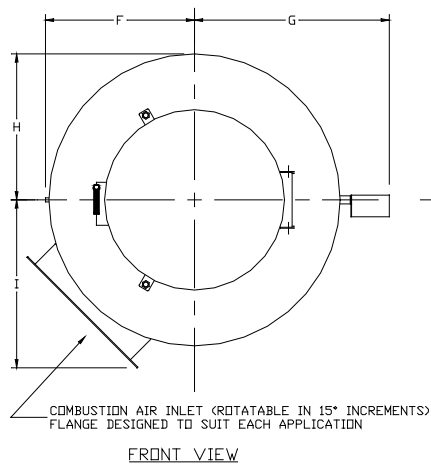
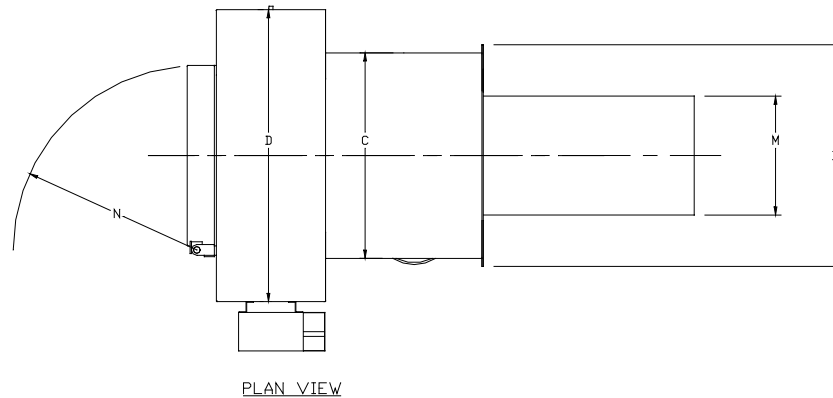
800 to 1200 boiler HP.

32,700 to 49,000 MBTU/Hr.

**The Johnson NOXmatic® burner provides
Sub-9 ppm Ultra Low NOx with Lower Costs!**

JOHNSON NOXmatic®-RF Burners

Capacities & Specifications



Burner Size	MBTU/Hr	A	B	C	D	E	F	G	H	I	J	K	L	M	N
800	32,700	55	41	38	53.88	29.25	27.63	36.13	27	*	12.88	19.75	**	**	34.13
900	36,800	55	41	38	53.88	29.25	27.63	36.13	27	*	12.88	19.75	**	**	34.13
1000	40,900	55	41	38	53.88	29.25	27.63	36.13	27	*	12.88	19.75	**	**	34.13
1100	45,000	55	41	38	53.88	29.25	27.63	36.13	27	*	12.88	19.75	**	**	34.13
1200	49,000	55	41	38	53.88	29.25	27.63	36.13	27	*	12.88	19.75	**	**	34.13

* Combustion air fans are selected on an individual basis according to static pressure requirement, emissions and elevation. For that reason, fan dimensions and the corresponding air duct dimensions are not shown.

** Consult factory.

Note: Burner dimensions and locations of valves and ducts represent basic design only. Actual design may vary according to job requirements.