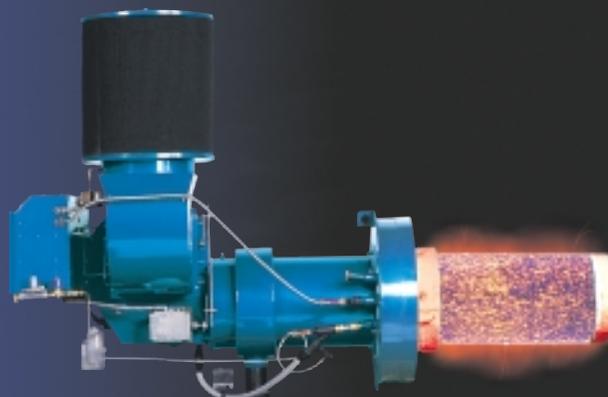


Power Flame Nova Plus™



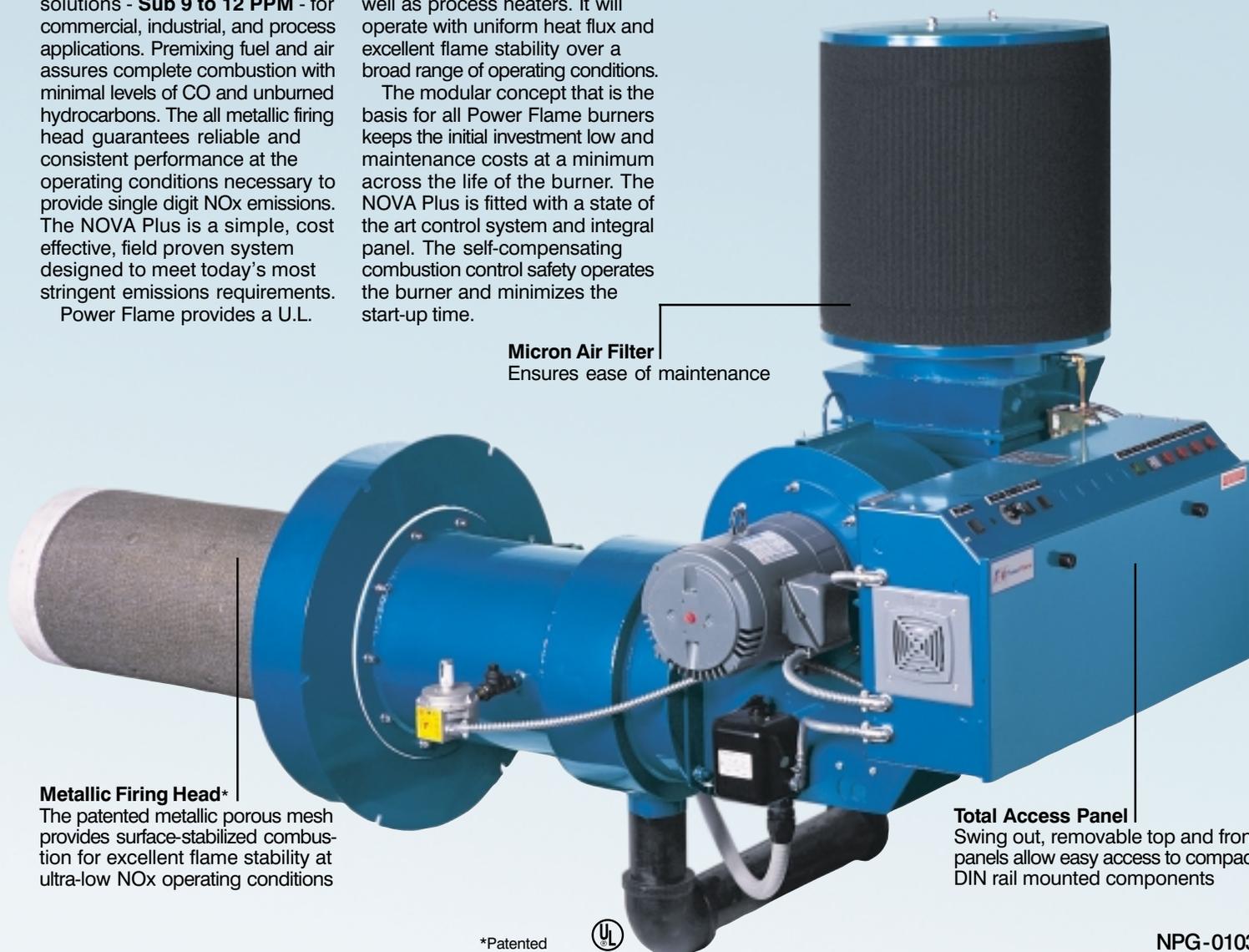
The Power Flame NOVA Plus™ Combustion System employs a patented, fully premixed, surface stabilized combustion technology to provide proven ultra-low NO_x solutions - **Sub 9 to 12 PPM** - for commercial, industrial, and process applications. Premixing fuel and air assures complete combustion with minimal levels of CO and unburned hydrocarbons. The all metallic firing head guarantees reliable and consistent performance at the operating conditions necessary to provide single digit NO_x emissions. The NOVA Plus is a simple, cost effective, field proven system designed to meet today's most stringent emissions requirements.

Power Flame provides a U.L.

listed, factory tested package tailored to your job specific requirements. The NOVA Plus is suitable for use on firetube and watertube boiler applications, as well as process heaters. It will operate with uniform heat flux and excellent flame stability over a broad range of operating conditions.

The modular concept that is the basis for all Power Flame burners keeps the initial investment low and maintenance costs at a minimum across the life of the burner. The NOVA Plus is fitted with a state of the art control system and integral panel. The self-compensating combustion control safety operates the burner and minimizes the start-up time.

Power Flame's Premixed, Surface Stabilized Combustion Burner



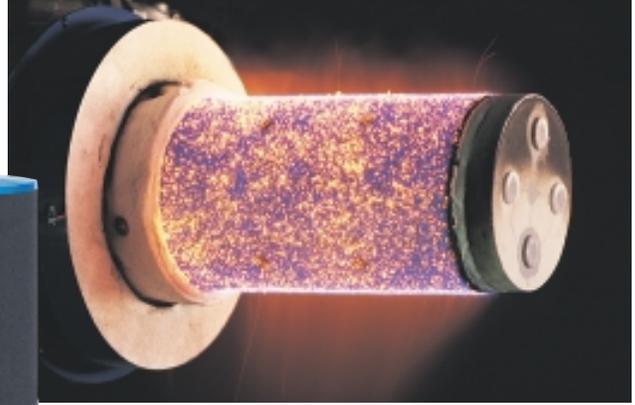
Micron Air Filter
Ensures ease of maintenance

Metallic Firing Head*
The patented metallic porous mesh provides surface-stabilized combustion for excellent flame stability at ultra-low NO_x operating conditions

Total Access Panel
Swing out, removable top and front panels allow easy access to compact DIN rail mounted components

Power Flame

The Power to Manage Energy



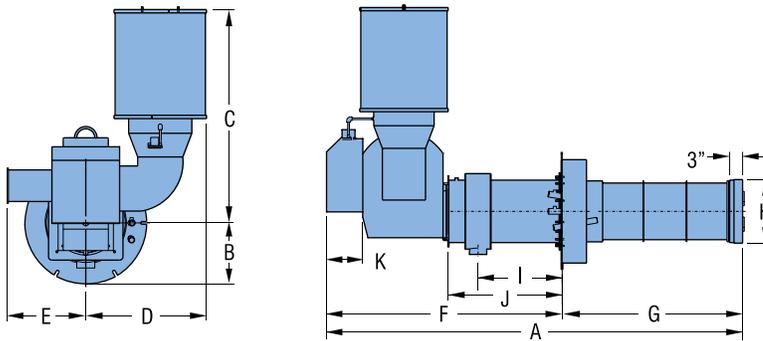
Powered by CSB Technology



STANDARD EQUIPMENT

- 3450 RPM motor, squirrel cage blower
- Panel with 6 indicating lights (power, main gas, flame failure alarm, manual override, system demand & air safety alarm) manual potentiometer and control switch
- Modulating motor
- Combustion control with UV scanner
- Burner and air filter pressure switches
- Micron air filter assembly
- Gas electric pilot and gas ignition transformer
- High and low gas pressure switches
- Dual gas safety valves
- Air/Gas ratio control regulating actuator and valve
- Leakage test cock, pilot cock and main gas cock
- Pilot and main gas regulators

MODEL NVCR



DIMENSIONS (Inches) Standard Models.

RATINGS & SPECIFICATIONS

Burner Model	A	B	C	D	E	F	G	H	I	J	K	CAPACITY ¹		Blower Motor H.P. (3450 RPM)	Standard Gas Train Size (In.)	Gas Pressure Required (In. W.C.) ²
												Nat. Gas MBH Max.	Nominal BHP			
NVCR-G-20B	62½	6	32	20	14	35¾	27	7¼	7¾	12	10¼	2,000	48	1	1½	18.0
NVCR3-G-20	70	7	33	21	16	38½	32	7¼	7¾	12	10¼	2,500	60	1½	2	18.0
NVCR3-G-25B	80	7	33	21	16	38½	41½	7¼	7¾	12	10¼	3,500	85	3	2	18.0
NVCR4-G-30	80	7½	44	27	18½	48½	32	14½	12¾	20	10¼	5,000	120	5	2½	21.0
NVCR5-G-30	90	7½	44	27	18½	48½	41½	14½	12¾	20	10¼	7,000	165	7½	2½	21.0
NVCR6-G-30	100	7½	46½	27	20	48½	51½	14½	12¾	20	10¼	10,500	250	10	3	28.0
NVCR7-G-30	118	10	56½	28	20	66½	51½	14½	12¾	20	9¼	12,600	300	15	3	28.0
NVCR8-G-30	118	10	56½	28	20	66½	51½	14½	12¾	20	9¼	14,700	350	15	3	28.0

1. Capacities listed are based on +3.0" W.C. positive pressure. Derate capacities approximately 5% for each +0.50" W.C. combustion chamber pressure.
2. At inlet to main manual shutoff cock to obtain P/F certified ratings with standard U.L. gas train. Optional gas trains available for lower pressures.



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