

# POWER FLAME INCORPORATED

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## SALES

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SALES RELEASE #102-1

DATE: May 3, 1994

SUBJECT: **KEY SPECIFICATION DETAILS AND SELLING POINTS  
FOR THE POWER FLAME MODEL JA BURNERS**

1. 3450 RPM blower motor with flame retention design allows negative, as well as positive firing applications to +1.0 in. W.C. furnace pressure.
2. Circular blast tube opening - no special pilot front plate cutouts or refractory designs required. Simplifies the replacement of oil burners.
3. Standard with integral control panel and "easy access" (lift off) top. Includes on/off switch, power on and main fuel lights as standard. Additional lights as available options. Some competitors get a very high price to add control panels to burners in the lower input ranges.
4. The "Director" Graphic Burner Management System is an available option for most models. See Sales Release 43-B, dated 8/22/86, for information regarding usage on the JA. Also, see item 13 in this Sales Release.
5. On/off, L/H/O, L/H/L and Full Modulation modes available. Some competitors do not offer UV scanner options in the low input models of their line.
6. Flame rod or UV scanner flame detection systems are available. Some competitors do not offer UV scanner options in the low input models of their line. (On LP gas only specify UV.)
7. Full FM or IRI systems available. Some of the competition does not offer in the low input burner ranges.
8. Simplicity of adjustments, with proven dependability of operation in all types of applications. The JA and JRA are the standard used by a number of OEM's on a wide variety of applications.....i.e., C.I. boilers, vertical tubeless boilers, direct and indirect fired furnaces for heating and process work, and as such, are an well-accepted and proven product.
9. Each burner is put through a complete operational fire test at the factory, to insure quality and to minimize possible problems at field start up. Burner is U.L. approved.
10. The Power Flame "side tee orifice" arrangement allows for modification of gas pressure and firing and firing rates at an easily accessible location (in the gas train). "Others" using multi spud orifices in the firing head have to either remove the burner from the heat exchanger or climb into the combustion chamber to make such changes.

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11. We use twin air dampers, which are easily converted in the field to single damper operation

for better control of airflow at the low end of a model firing range.

12. The JRA configuration is available for low base height applications, or for any type of application that requires that requires the reverse fan housing arrangement... or where we simply need the most competitive price. The JRA (underslung) is now also available which is the JRA configuration inverted. The standard JRA does not have a control panel, on/off switch or indicating lights, but is available with an integral "C" burner type panel or a remote panel, either of which can be supplied with or without the "Director" Graphic Burner Management System option. Any of the standard "C" burner "Director" and "Director Plus" options can be used. See Bulletin DIR1285 Rev 1191.
13. All Power Flame control panels are U.L. Listed and Labeled either as "Flame Safeguard Control Panels" or "Industrial Control Panels". This can be a strong specification item as some of the competition does not carry a listing on such as separate Lead/Lag and Sequence Overfire Draft System Panels and etc. See Sales Release #196, dated 3/13/91.
14. A selection of special diffusers is available for tough or unusual firing applications.
15. Our internal blast tube pilot, containing the selected flame rod or UV scanner, allows for extended blast tube insertion depths, as may be required for special applications.
16. The burner manufacturer shall provide proof of Product Liability Insurance.

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GORDON A. JOHNSON  
Vice President Sales

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