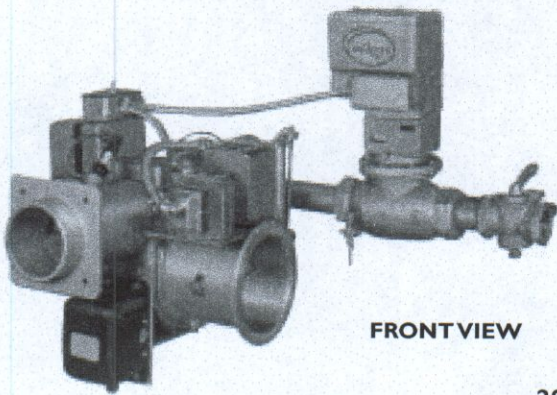


ECLIPSE GAS-PAK® BURNERS

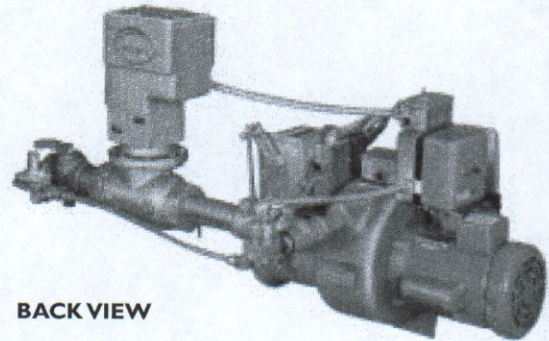
Bulletin 286

9/96

SERIES 200 GP & GP-A



FRONT VIEW



BACK VIEW

200 GP-A

Eclipse Gas-Pak Burners are completely packaged assemblies designed for use on incinerators, ovens, metal melters, small furnaces, and boilers. They are available for either on-off, or hi-low operation.

OPERATION

Any clean, commercially available fuel gas at a pressure of 6" w.c. to 14" w.c. at the inlet to the burner valve train may be used. Gas-Pak burners will fire against a maximum back pressure of 0.5" w.c. and deliver an input of 1,750,000 Btu/hr. Under neutral conditions, input is 2,250,000 Btu/hr., and with a draft of 1.0" w.c., the maximum that the burner will deliver is 3,000,000 Btu/hr. if sufficient secondary air is available.

The Gas-Pak burner develops a long luminous flame with the radiating qualities required for high heat transfer. Changing the factory-set air shutter adjustment or recommended gas pressure adjustment will change the burner input, flame length and flame characteristics.

ADVANTAGES

- Completely packaged
- High capacities and heat transfer
- Easy installation and adjustment
- Low maintenance costs
- Automatic or manual control
- Flame monitoring equipment
- Automatic electronic ignition

DESIGN FEATURES

The Gas-Pak burner is furnished with an integral low pressure blower which delivers all required combustion air at rated input (2,250,000 Btu/hr.). The burner and the blower housing are constructed of lightweight cast aluminum. A flange is provided on the blower housing for mounting the burner to the appliance wall. Since a combustion block is not used, it is only necessary to provide a 5" diameter hole through the appliance wall to clear the nozzle.

Each burner is equipped with electronic flame monitoring and automatic electronic ignition. Also included is a motorized shut-off valve, pilot solenoid valve, ignition transformer, manual shut-off cock, and a peepsight. **This equipment may or may not meet local safety**

and/or insurance requirements. The owner/user and/or his insurance underwriter must assume responsibility for the acceptance, use and proper maintenance of flame supervision, limit controls and other safety devices.

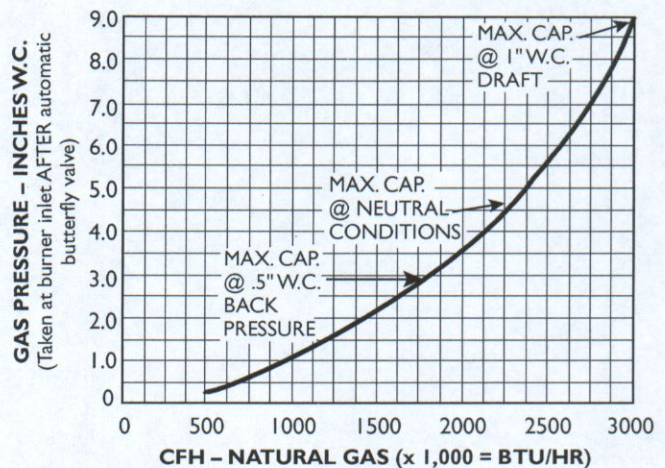
All electrical valves and controls are 115 volt, 60 hertz. The blower motor is a 1/2 hp, 3450 rpm, 230volt, three-phase, 60 hertz, totally enclosed unit.

ASSEMBLIES

Gas-Pak burners are available for either on-off or hi-low operation. Series 200 GP burners for on-off operation are equipped with a manually adjustable air shutter and a manually adjustable limiting orifice in the gas line. Series 200 GP-A burners for hi-low operation are automatically controlled by a remote control device. A control motor on the burner operates the air shutter and butterfly valve simultaneously. The high and low inputs can be set by adjusting the linkage on the control motor.

Gas-Pak burners can be ordered with the necessary equipment to meet local F.M. and/or IRI insurance requirements. In addition, these burners may be ordered with terminal strip and Standard, FM or IRI attached or remote control panels. (Contact factory for information.)

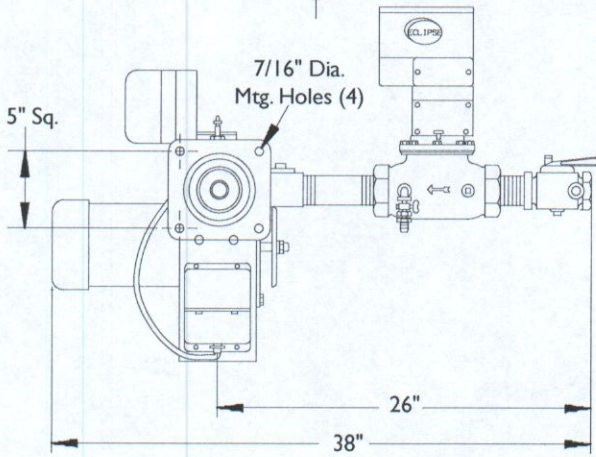
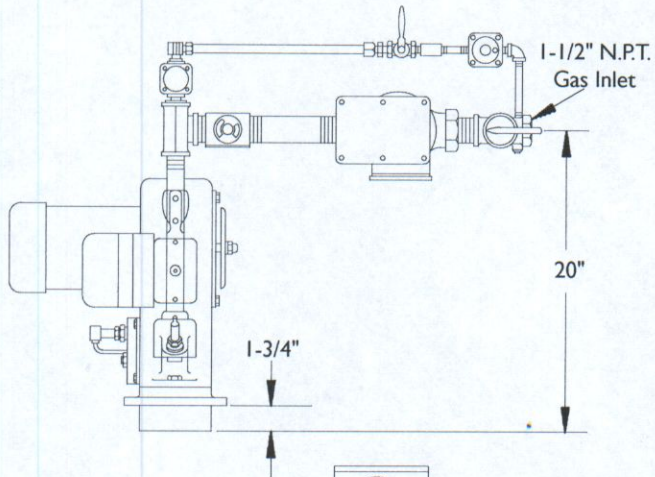
CAPACITIES — CFH
(Using Natural Gas — 0.6 Sp. Gr.)



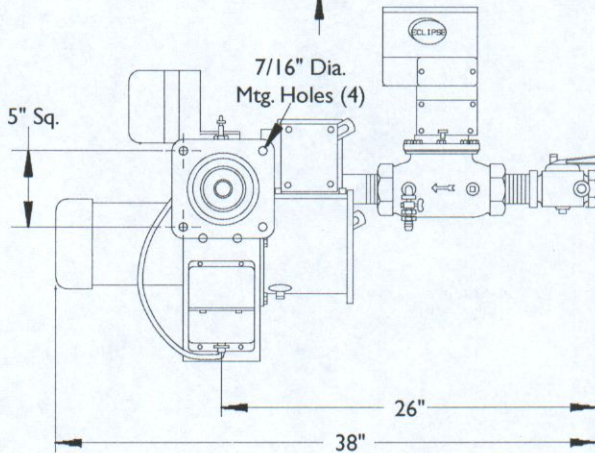
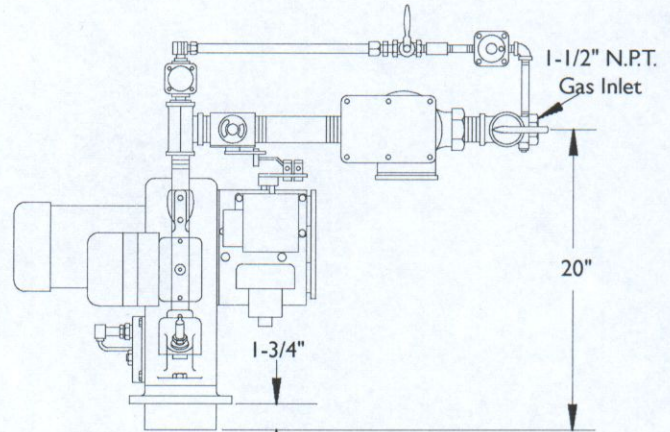
ECLIPSE COMBUSTION, INC.

DIMENSIONS

200 GP
ASSY. NO. 109408



200 GP-A
ASSY. NO. 109404



ECLIPSE COMBUSTION, INC.



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