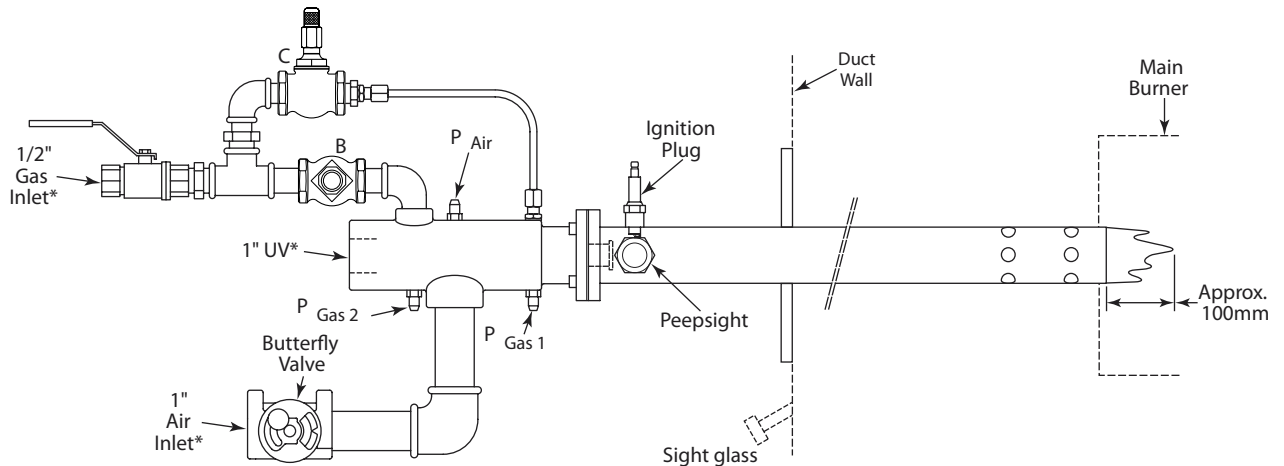


# Eclipse FlueFire Pilot Burners



\* N.P.T. or Rc Threads are available

## Technical Data

PARAMETER	SPECIFICATION
Pilot burner input, kW (Btu/hr)	20 - 35 (68,260 - 119,450)
Max. main air flow, m <sup>3</sup> /hr (cfh)	35 (1236)
Approx. purge air flow, m <sup>3</sup> /hr (cfh)	15 (530)
Required inlet gas and air pressure above duct pressure, mbar ("w.c.):	
• Standard .....	60 (24)
• Gas turbine applications ....	80 (32)

- Pilot burner operation must be interrupted.

*Note:* It is necessary to provide a sight glass, preferably at the opposite side of the pilot burner location in the duct wall, to observe the pilot flame coming out of the tube.

## Start-up instructions

- Adjust air pressure "P Air" between 4 and 12 mbar (1.6" - 4.8" w.c.) above duct pressure with butterfly valve.
- Close adjusting tee "B".
- Adjust flame with adjusting tee "C" (P Gas1 ). The flame must be stable and generate a reliable flame signal. Observe the flame through the peepsight during adjustment.
- Open adjusting tee "B" until the desired flame length is obtained (P Gas2 ).
- Throttle the adjusting tee "C" to obtain a stable blue flame.
- Gas pressures P Gas1 and P Gas2 at the pilot head should be taken and recorded for future reference.

*Note:* Pilot combustion air may be switched off with an air solenoid valve. In this case, some purge air must be provided through a by-pass line equipped with an adjusting tee. Purge air is required to prevent flue gases from flowing back to the pilot burner and obstructing the UV scanner view. Throttle the adjusting tee in the by-pass line if purge air disturbs the main flame.