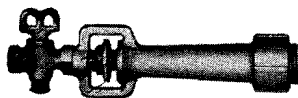
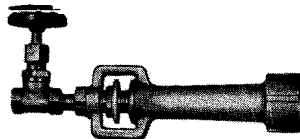


ECLIPSE PILOT MIXERS



LOW PRESSURE



HIGH PRESSURE

Eclipse Pilot Mixers are of three different types — Low Pressure Atmospheric, High Pressure Atmospheric, and Blast. All are designed to provide stable, accurate, air/gas mixtures for a great variety of pilot nozzles under many varying furnace conditions. These pilot mixers are available in either complete or stripped assemblies. Stripped assembly mixers are furnished less all valves and fittings.

ECLIPSE LOW PRESSURE ATMOSPHERIC PILOT MIXERS

Eclipse Low Pressure Atmospheric Pilot Mixers will operate with any clean, commercially available fuel gas. It is only necessary to pipe low pressure gas (4" w.c. to 1 psig natural gas or 10" w.c. to 1 psig LP-gas) to the mixer for operation.

The energy of the gas passing through the mixer orifice is used to entrain a portion of the air required for combustion. The balance of the air is introduced as secondary air at the pilot nozzle, therefore these pilot mixers are limited to open burner applications.

Pilot mixers are available in 1/2", 3/4" and 1" outlet sizes for all Eclipse atmospheric pilot nozzles. See P-80B Specification Sheet, pages 1 and 2, for pilot assemblies with Low Pressure Atmospheric Pilot Mixers.

ECLIPSE HIGH PRESSURE ATMOSPHERIC PILOT MIXERS

Eclipse High Pressure Atmospheric Pilot Mixers operate on the same principle as the Low Pressure Atmospheric Pilot Mixers. However, the kinetic energy of the high pressure gas is sufficient to entrain all the air required for combustion. This feature makes it possible to use high pressure pilot mixers on sealed burner applications as there is no requirement for secondary air at the pilot nozzle.

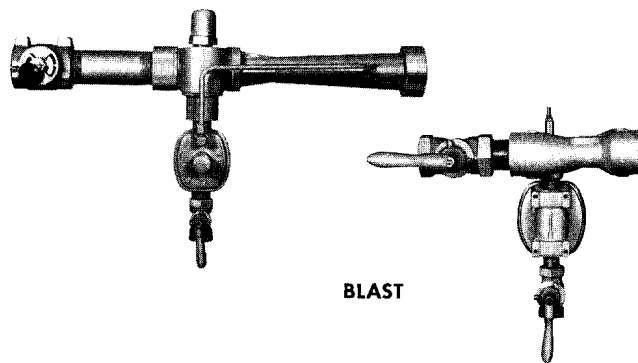
These mixers will operate with gas pressures ranging from 1 psig to 25 psig. High Pressure Pilot Mixers are available in 1/2", 3/4", and 1" outlet sizes for all Eclipse high pressure pilot nozzles. See P-80B Specification Sheet, pages 2 and 3, for pilot assemblies with High Pressure Pilot Mixers.

ECLIPSE BLAST PILOT MIXERS

Eclipse Blast Pilot Mixers utilize air from a low pressure blower (4 oz. to 32 oz.) and low pressure gas (6" w.c. to 15" w.c.) and can be used on open or sealed burner applications.

These mixers can be used for single pilot applications (see P-80B Specification Sheet, pages 4 thru 8) or for multiple pilot applications. When using Eclipse Blast Pilot Mixers for multiple pilot applications, refer to P-81 Selection Table.

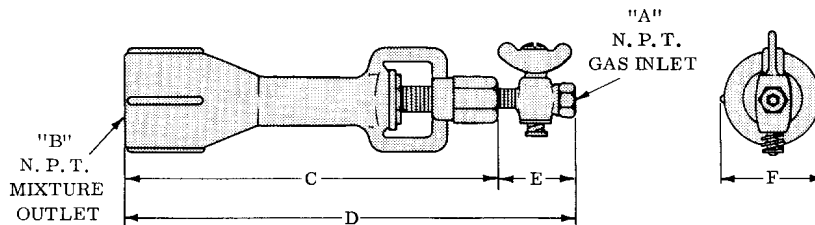
Blast Pilot Mixers are available in sizes 1/2" thru 1 1/2" and will supply air/gas mixture to as many as six pilot nozzles.



BLAST

DIMENSIONS

LOW PRESSURE PILOT MIXERS



CATALOG NUMBER	ASSEMBLY NUMBER		DIMENSIONS					
	COMPLETE	STRIPPED	A	B	C	D	E	F
TR-2	300262	300266	1/8	1/2	5-5/16	6-9/16	1-1/4	1-7/8
TR-3A	300263	300267	1/4	3/4	6-3/4	8-1/4	1-1/2	1-7/8
TR-4A	300257	300258	1/4	1	6-3/4	8-1/4	1-1/2	1-7/8

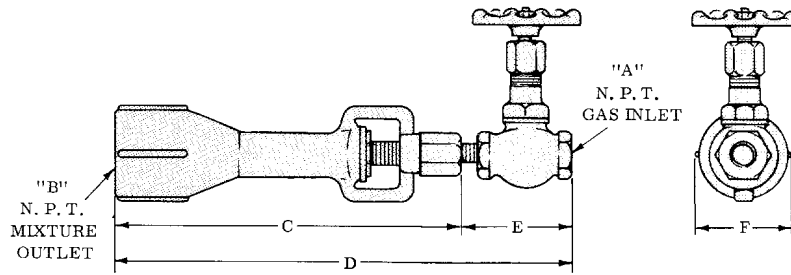
NOTE: All dimensions are in inches.



Eclipse Combustion

DIMENSIONS (Continued)

HIGH PRESSURE PILOT MIXERS

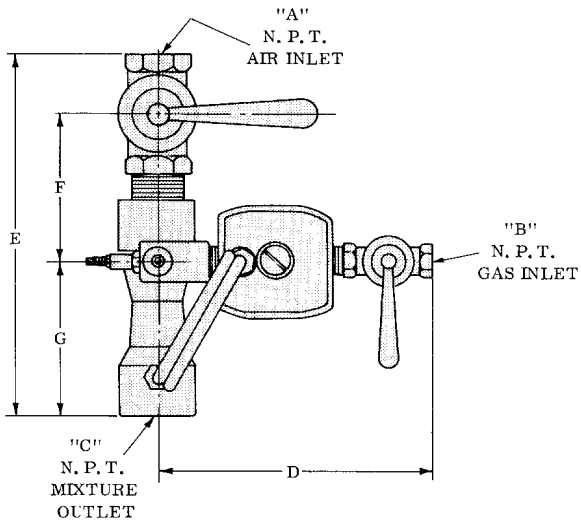


CATALOG NUMBER	ASSEMBLY NUMBER		DIMENSIONS					
	COMPLETE	STRIPPED	A	B	C	D	E	F
TR-H2	300268		1/8	1/2	5-5/16	7	1-11/16	1-7/8
TR-3HA	300269	300267	1/4	3/4	6-3/4	9	2-1/4	1-7/8
TR-4HA	300259	300258	1/4	1	6-3/4	9	2-1/4	1-7/8

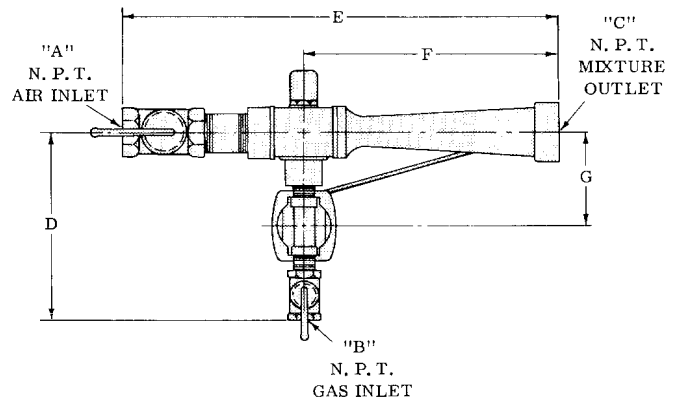
NOTE: All dimensions are in inches.

BLAST PILOT MIXERS

121 & 131 PM



142 & 163 PM



CATALOG NUMBER	ASSEMBLY NUMBER		DIMENSIONS						
	COMPLETE	STRIPPED	A	B	C	D	E	F	G
121 PM	300557	300561	1/2	3/8	1/2	5-3/4	7	2-27/32	3-1/32
131 PM	300558	300562	3/4	3/8	3/4	5-3/4	7-1/8	2-29/32	3-1/32
142 PM	300577	300579	1	1/2	1	7-13/16	19-1/8	10-1/32	3-15/16
163 PM	300578	300580	1-1/2	3/4	1-1/2	8-7/8	23-13/32	12	4-3/16

NOTE: All dimensions are in inches.



Eclipse Combustion

Litho in U.S.A.



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