

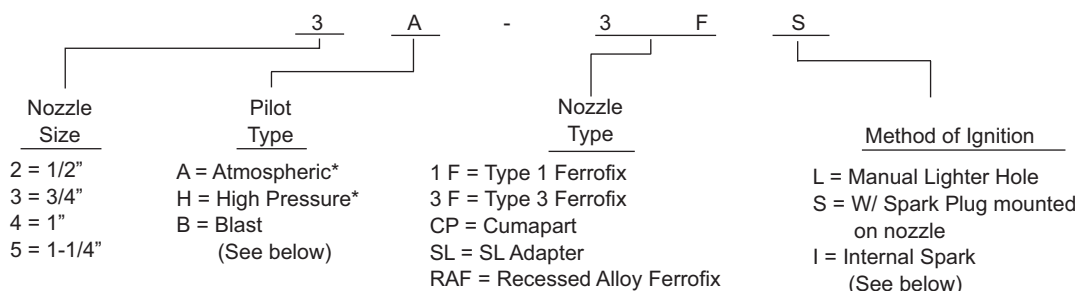
Eclipse Gas Pilots

There is an Eclipse Gas Pilot available for use with virtually any type of industrial burner. Pilot nozzles only, for use with separate gas/air mixers, are shown on page 2. Complete pilot assemblies, including a gas/air mixer, are shown on Specification Sheet 810 with detailed information about the Atmospheric Injectors and High Pressure Mixer Heads in Bulletin 650.. Complete or stripped Pilot Mixer assemblies are discussed in Bulletin 812. Extended and Nozzle-Mixing Pilots are discussed in Bulletins 814 and 816.

Complete pilot assemblies are available in atmospheric types for either low pressure gas (4" w.c. to 3 PSIG) or high pressure gas (3 PSIG and above). The atmospheric pilots utilize the High and Low Pressure Mixer Heads from the Bulletin 650 covering Atmospheric Injectors. Blast pilot assemblies utilize air from a low-pressure blower (4 oz. to 32 oz.) and low pressure gas (4" w.c. to 15" w.c.). Typical pilots of each type are illustrated below, left.

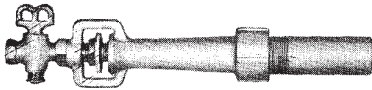
Ignition methods are either manual or electric as shown below, right.

Pilot assembly catalog numbers indicate pilot type, nozzle type, pipe size and method of ignition. The pilot numbering system is explained below.

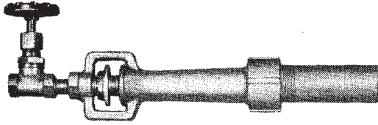


*Reference Bulletin 650, Atmospheric Injectors for more detailed information about these pilot mixer types.

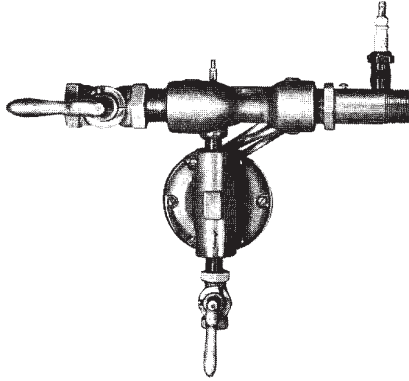
PILOT TYPES



Atmospheric (A)*



High Pressure (H)*



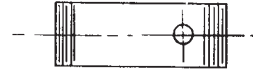
Blast (B)

*Reference Bulletin 650, Atmospheric Injectors for more detailed information about these pilot mixer types.

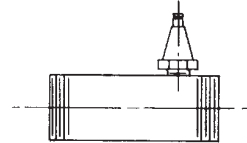
IGNITION METHODS



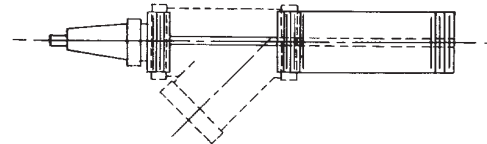
Manual



Manual Lighter Hole (L)

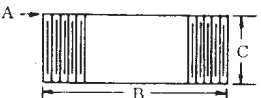
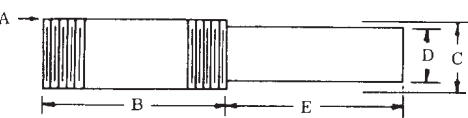
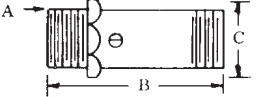


Spark Ignition (S)



Internal Spark Ignition (I)

Pilot Nozzles

Catalog No.			Pipe Size "A"	Port Area	Capacity - BTU/hr @ Mixt. Press. - " w.c.			Dimensions			
Manual	Lighter Hole	Spark Ignition			2	6	12	B	C	D	E
 FERROFIX - TYPE 1 (F-1)											
1 F-1 (103202)	-	-	3/8	0.037	7,000	12,000	17,000	3	11/16	-	-
2 F-1 (103204)	-	-	1/2	0.0895	17,000	30,000	42,000	3	27/32	-	-
3 F-1 (103206)	-	-	3/4	0.1652	35,000	60,000	85,000	3	1-1/16	-	-
4 F-1 (103208)	-	-	1	0.2907	58,000	100,000	141,000	3-1/2	1-5/16	-	-
 FERROFIX - TYPE 3 (F-3)											
2 F-3 (103240)	-	2 F-3S (103248)	1/2	0.0895	17,000	30,000	42,000	3	27/32	-	-
3 F-3 (103241)	-	3 F-3S (103249)	3/4	0.1652	35,000	60,000	85,000	3	1-1/16	-	-
4 F-3 (103255)	-	4 F-3S (103250)	1	0.2907	58,000	100,000	141,000	3-1/2	1-5/16	-	-
 RECESSED FERROFIX (RAF)											
-	(102492)	3 RAF - 1-3/4	3/4	0.0895	17,000	30,000	42,000	2-1/4	1-1/16	7/8	1-3/4
-	(102493)	4 RAF-2	1	0.1652	35,000	60,000	85,000	2-3/8	1-5/16	1	2
-	(102448)	4 RAF-4	1	0.1652	35,000	60,000	85,000	2-3/8	1-5/16	1	4
-	(102494)	5 RAF - 4-1/2	1-1/4	0.2907	58,000	100,000	141,000	2-3/8	1-5/8	1-1/4	4-1/2
 CUMAPART (CP)											
1 CP (103067)	-	-	3/8	0.0207	5,000	8,000	11,000	2-21/32	11/16	-	-
2 CP (102975)	2 CPL (103049)	2 CPS (102977)	1/2	0.0391	8,000	14,000	20,000	2-31/32	1-5/32	-	-
3 CP (102979)	3 CPL (102952)	3 CPS (102971)	3/4	0.0920	20,000	34,000	48,000	2-31/32	1-7/16	-	-
4 CP (102981)	4 CPL (102955)	4 CPS (102973)	1	0.1656	35,000	60,000	85,000	3-9/32	1-11/16	-	-

