

# FR1 Burners

## Product Name:

FR1 Burners

## Product Category:

Industrial Gas Burners - FR1 Burners

## Product Benefits:

- Cast iron flame-retention nozzle which is fitted with a mixing tube and injector
- Incorporates two stage air element to give a high degree of aeration

## Product Attributes:

- Air/gas ratio is automatically increased or reduced to suit the gas pressure with no use of mechanical aids
- Long cylindrical flame that burns with great stability

## Additional Elements:

- Stainless steel nozzle can be supplied at extra cost for high temperatures of up to 110 degrees centigrade
- Supplied calibrated to give the required heat release depending on pressure 1/2 to 30 PSI
- Available in Kiln burner sets to suit with flame failure protection and/or pressure gauge

## Optional Extra:

- Spark plug is positioned so that the electrodes do not come into contact with the flame
- Gas hoses
  - Rubber
  - O/braided
- Flame failure system
- Manual (Piezo) ignition
- Auto temperature controls
- Regulators
- Also see [Two stage injectors](#) and [Kiln burner sets](#)

## Mechanical Data:

Injector	Orifice	Gas Rate in BTU/hr (Propane)			Flame length in inches		
		3 p.s.i	10 p.s.i	30 p.s.i	3 p.s.i	10 p.s.i	30 p.s.i
50	62M	24400	44530	771100	16	20	22
75	54M	51100	93300	161600	22	27	32
100	50M	82750	151100	261700	26	31	36
125	45M	113575	207350	359150	28	32	40



Unit 35 Claydon Business Park,  
Great Blakenham, Ipswich IP6 ONL

**Telephone:** 01473 830030

**Fax:** 01473 831664

**Email:** [info@tex-engineering.co.uk](mailto:info@tex-engineering.co.uk)

**Website:** [www.tex-engineering.co.uk](http://www.tex-engineering.co.uk)

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150	39M	167200	305300	528800	30	40	48
200	32M	227300	414950	718700	30	42	56

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For more information about our Industrial Gas Burners, please visit our Contact page and speak to a member of the Barters team.  
Telephone: 01473 830030 Email: [info@tex-engineering.co.uk](mailto:info@tex-engineering.co.uk)