

Capacity Range:
50,000 to 2,000,000 Btu/Hr



Selas Tunnel Burners

Will burn any standard fuel gas at mixture pressures ranging from 0.1 to 60 WC.

How It Works

Exclusive, patented design of refractory plug "E" and combustion tunnel ensures smooth stable operation. The long annular orifice "F" reduces back firing even at very low mixture pressures.

Turbulence created by the nose plug and the stepped burner block "G" provides positive flame retention at high mixture pressures with shorter flame

length and higher heat release (on std. block only).

Selas Tunnel Burners are easily lighted at stated mixture pressure. The pilot tip "H" is screwed into the body to ensure permanent and correct location of the pilot flame. A second threaded hole is provided for accurate location of flame electrodes at the junction of the pilot and main flame.

Applications:

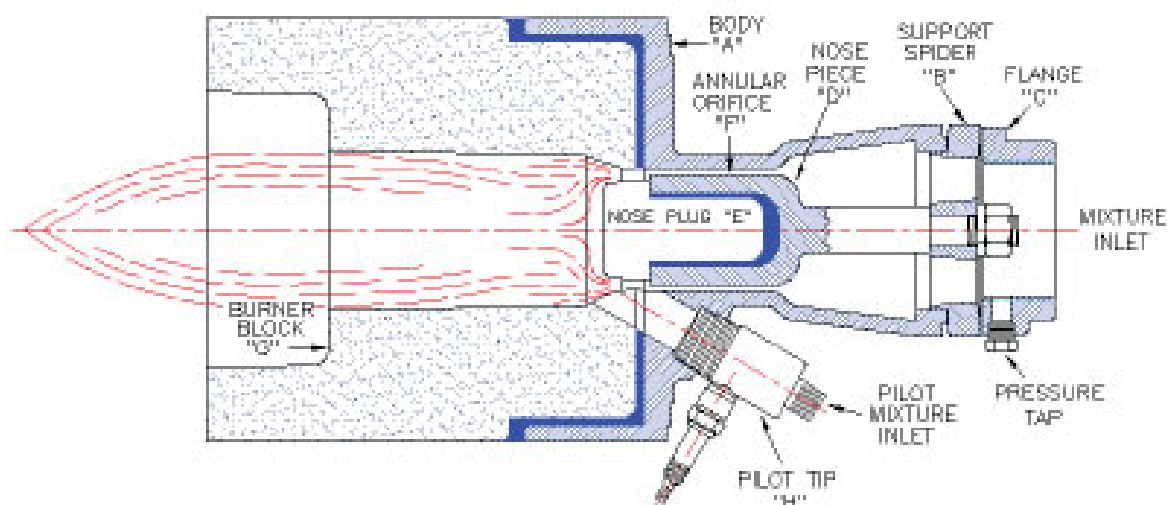
- Pressurized Air Heaters
- Atmosphere Generators
- Sealed Furnaces or Retorts



Diverse Combustion Technologies. One Reliable Source.

Operating Principles

Tunnel Burners will burn any standard fuel gas at mixture pressures ranging from 0.1" to 60" W.C. The exclusive Selas patented refractory plug and combustion tunnel designs insure smooth stable operation. The long annular orifice reduces back firing even at very low mixture pressures. Turbulence created by the nose plug and the stepped burner block provides positive flame retention at high mixture pressures with shorter flame length and higher heat release (on std. block only). Selas Tunnel Burners are easily lighted at stated mixture pressure. The pilot tip is screwed into the body to insure permanent and correct location of the pilot flame. A second threaded hole is provided for accurate location of flame electrodes at the junction of the pilot and main flame. A group of Selas Tunnel burners may be manifolded to a single Flomixer. On applications that require long mixture piping, use several Flomixers to reduce pressure losses. Mixture piping must be at least as large as the Flomixer outlet size.



Features

- Will burn any standard fuel gas mixture
- Patented refractory plug and combustion tunnel design
- Nose plug and stepped burner block configuration

Benefits

- Versatile and economical to operate
- Ensures smooth, stable operation
- Provides positive flame retention



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