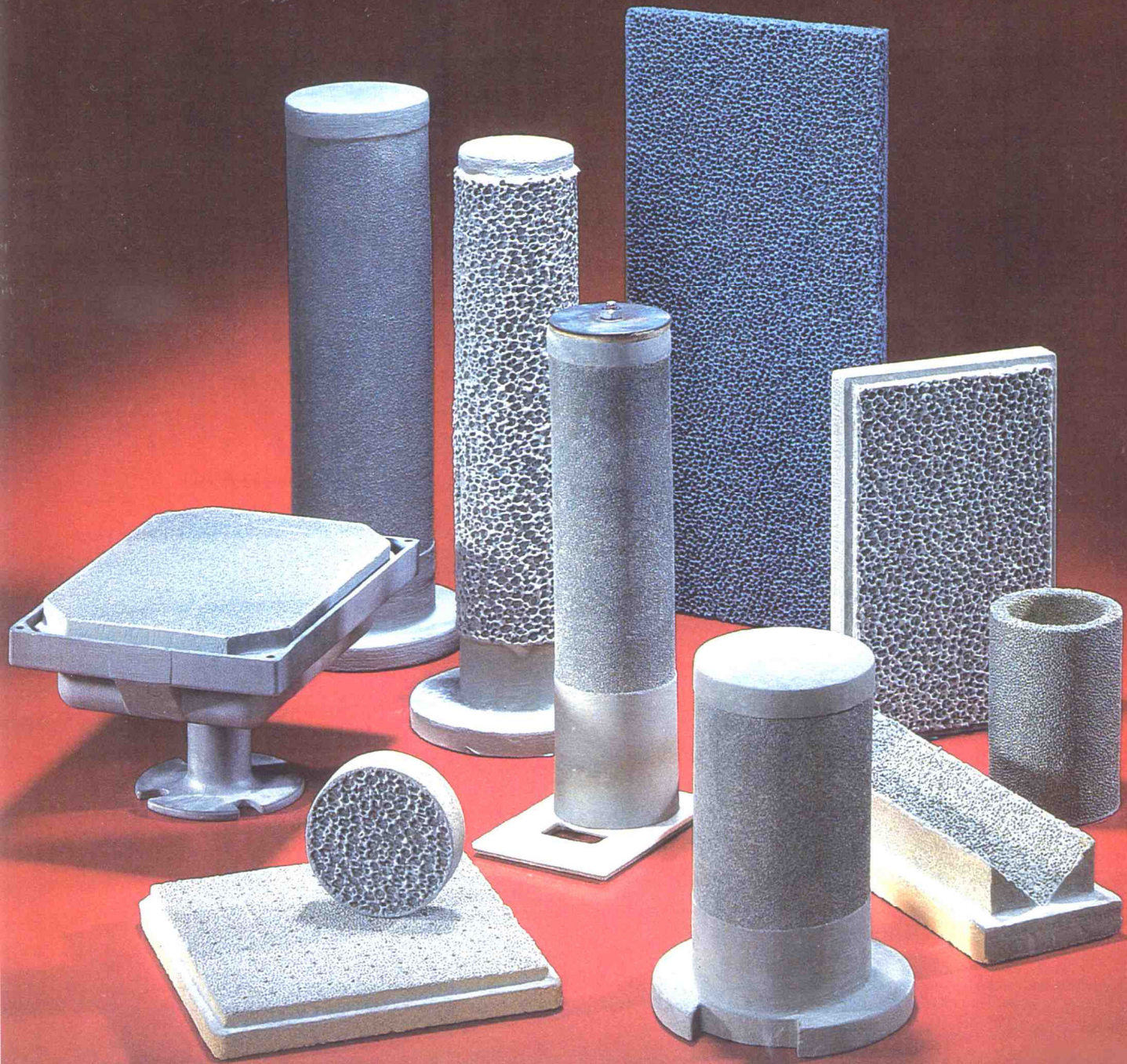


INFRACEL™

POROUS CERAMIC BURNERS



**FLEXIBLE, EFFICIENT, AND PROVEN
SURFACE COMBUSTION EMITTERS FOR RESIDENTIAL,
COMMERCIAL, AND INDUSTRIAL APPLICATIONS.**

SÜD-CHEMIE
CREATING PERFORMANCE TECHNOLOGY



Hi-Tech Ceramics

DESIGNER FRIENDLY. ENVIRONMENTALLY FRIENDLY. END USER FRIENDLY.

Design Flexibility

- Works with on/off, high/low, or modulating control systems
- Radiant or blue flame operation
- Conventional flame ignition/monitoring
- Burner may be fired upward, downward, or sideways
- Natural gas or propane
- Planar or tubular shapes
- Variable pore sizes for high or low pressure drop
- Rapid response and cool down
- High turndown ratio

Environmental Acceptability

- Low NO_x and CO emission over a broad firing range

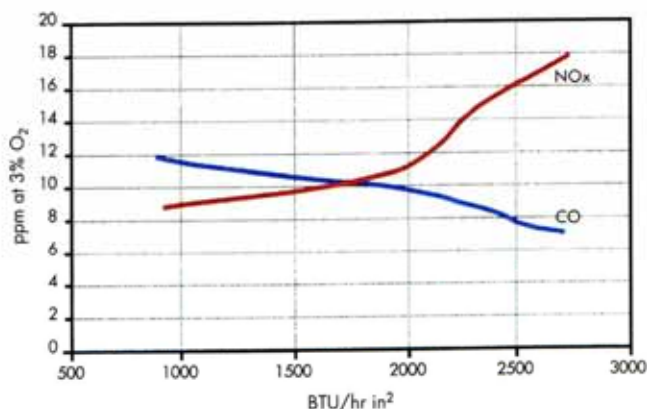
End Use Practicality

- Boilers for single and multi-unit buildings
- Instantaneous water heaters
- Combo units
- Central air furnaces
- Drying and curing operations
- Humidifiers

INFRACEL™ - GENERAL SPECIFICATIONS.

- Customized shapes available with minimal tooling and machining
- Planar burners up to 12"
- Tubular burners to 5" diameter and 12" long
- High thermal shock and corrosion resistance
- A variety of mounting options is available
- Our hybrid (metal/ceramic) mounting design resolves the issue of ceramic brittleness
- Firing rates from 350 to 10,000 BTU/hr in²

EMISSIONS vs FIRING RATE AT 30% XS AIR



PRESSURE DROP ACROSS PLANAR BURNER DURING FIRING AT 30% XS AIR

