RADIATION BURNER

PRODUCT INFORMATION

The New HORN radiation burner improves thermal homogeneity and reduces energy in the forehearth. This flameless burner uses special high quality refractory material which emit the radiation during high temperature phase.

CONSTRUCTION:
1. Insulation block
2. Burner block
3. Ceramic nozzle
4. Metallic burner

FUNCTION:
- A standard gas-air-mixture is used
- Gas-Air-Mixture is fed into the burner tube
- Gas-Air-Mixture is split into many partial streams by the ceramic nozzle
- The shape of the nozzle create small radial oriented flames
- Burner block will be heated up to white shine

INSTALLATION:
- Equalising section of forehearths
- Forehearth Alcove

Advantages:
- Radiation is heating the upper glass as well as the lower lower glass
  » better thermal homogeneity
- Precise heating of the outside glass area
  » no influence by opposite flames
- High efficiency of the burner
  » energy saving

Common gas-air-mixture burner
Radiation burner