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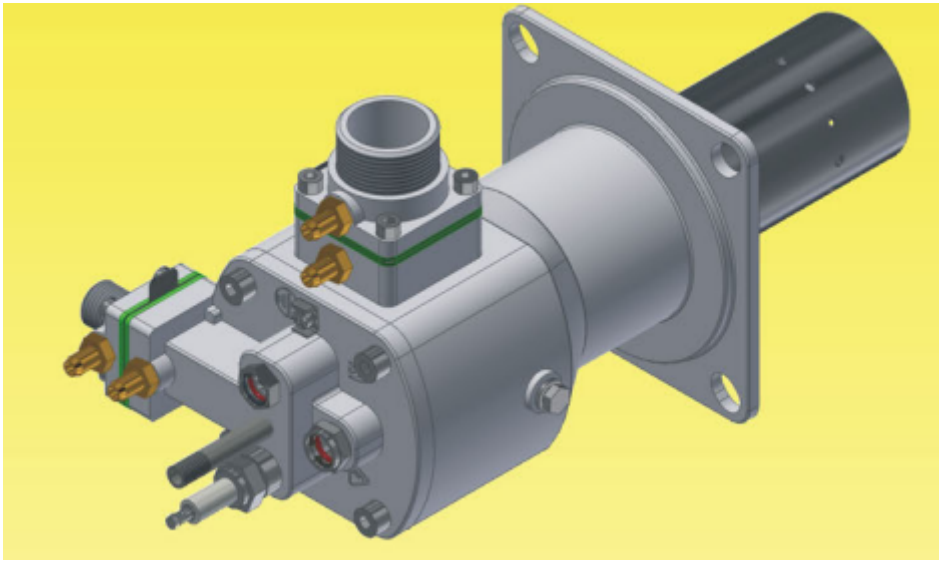
A-MO Series
Oxygen-enriched Burner



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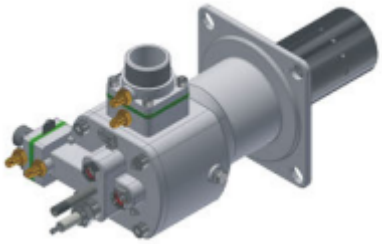
A-MO Series Oxygen-Enriched Burners

Features



- Saving energy due to the high temperature of oxygen-enriched combustion flame, the increase of temperature and pressure in the furnace and the enhancement of radiation heat exchange, the effective utilization of heat in the furnace is improved, thus the fuel consumption is saved.
- It has large adjusting ratio and stable flame, and can effectively control the temperature of fire pipe and sprinkler to prolong its life.
- There is a wide range of oxygen content.
- With the increase of oxygen content in oxygen-rich air, the theoretical air volume decreases, thus changing the combustion characteristics.
- High flame temperature increases with the increase of oxygen content in oxygen-rich air, and generally the oxygen concentration should be controlled below 28%.
- The amount of smoke exhaust is reduced, and when the oxygen content of oxygen-rich air is increased from 21% to 27%, the heat loss of smoke exhaust can be effectively reduced.
- Its decomposition heat increases. With the increase of flue gas temperature, the decomposition heat increases, which is one of the reasons why the oxygen-enriched combustion flame has greater heat transfer capacity.

Applications

● Ceramics industrial furnace ● Heating Furnace ● Walking quenching furnace ● Tempering furnace
● Heat treatment furnace ● Bell type furnace ● Shuttle Kiln

Product Description

● Air shell: Cast aluminum
● Material material for air inlet pipe: Cast aluminum
● Applied maximum furnace temperature: 1200° C
● Combustion chamber: Silicon carbide
● Fire pipe material: SUS 304
● Combustion head: SUS 310S
● Fixed flange: Cast aluminum
●Power: 5-60KW
● Oxygen inlet pressure: 380mbar
● Air inlet pressure: 5mbar
● Gas inlet pressure: 13mbar
● Fuel: NG
● Adjustment ratio: 10: 1

Dimensions and Specifications