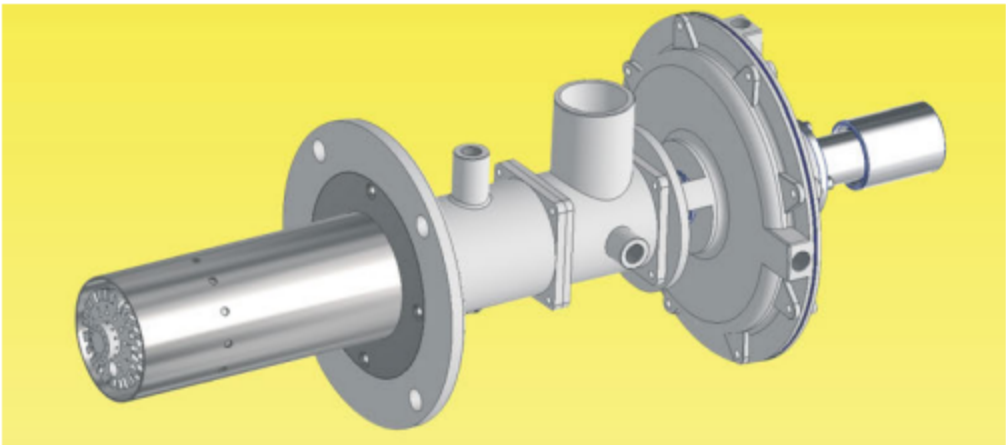
Astechnic 诺一

A-UTO

Automatic Adjusting Burner

Automatic adjustment of air-fuel ratio, stable adjustment and wide adjustment range



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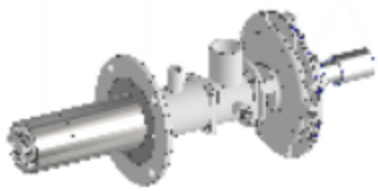
Automatic adjustment of air-fuel ratio,stable adjustment and wide adjustment range

Product Description

- Air housing: cast aluminum
- Air inlet pipe material: cast aluminum
- Maximum furnace temperature for application: 1200℃
- Combustion chamber: silicon carbide
- Fire tube material: SUS 304
- Combustion head: SUS310S
- Fixed flange: cast aluminum
- Preheating air: 200 ℃
- Power: 5-60KW
- Air inlet pressure: 1-5mbar
- Gas inlet pressure: 1-13mbar
- Fuel: NG
- Adjustment ratio: 10:1



application

- Ceramic channel
- Tunnel kiln

Product Description

Reducing excessive air in the kiln is an important method to reduce energy consumption, but maintaining a reasonable working state of hundreds of burners is also the foundation of energy conservation. Zoning adjustment can keep the air fuel ratio of the entire area within a reasonable range, and adjusting a single burner has become an almost impossible task on site due to its huge workload.

The A-UTO automatic adjustment burner is a specialized burner that can automatically control the air fuel ratio, ensuring that each burner can maintain the best combustion state on its own. The power of the burner is 5-60KW, driven by gas pressure, and the air fuel ratio is pre-set. Afterwards, the burner will automatically match the corresponding air flow rate based on the gas flow rate. The maximum operating temperature of the combustion air is 250 degrees, the air fuel ratio can be adjusted, and the minimum opening can be adjusted. Once the one-time calibration is completed, it can automatically run.

The A-UTO automatic regulating burner can also be assembled and used together with silicon carbide, and preheating air (below 250C) can be used.

Ignition and flame monitoring

Burner ignition can be achieved through ignition electrodes, and flame detection can be achieved through ion detection

Burner specifications

Model	Power	Fire tube diameter	Fire tube length	Wind blade type	Fuel	Kiln
Maximum Power	AFR -65-G-120	5-60KW	120	Type G	NG	roller kiln