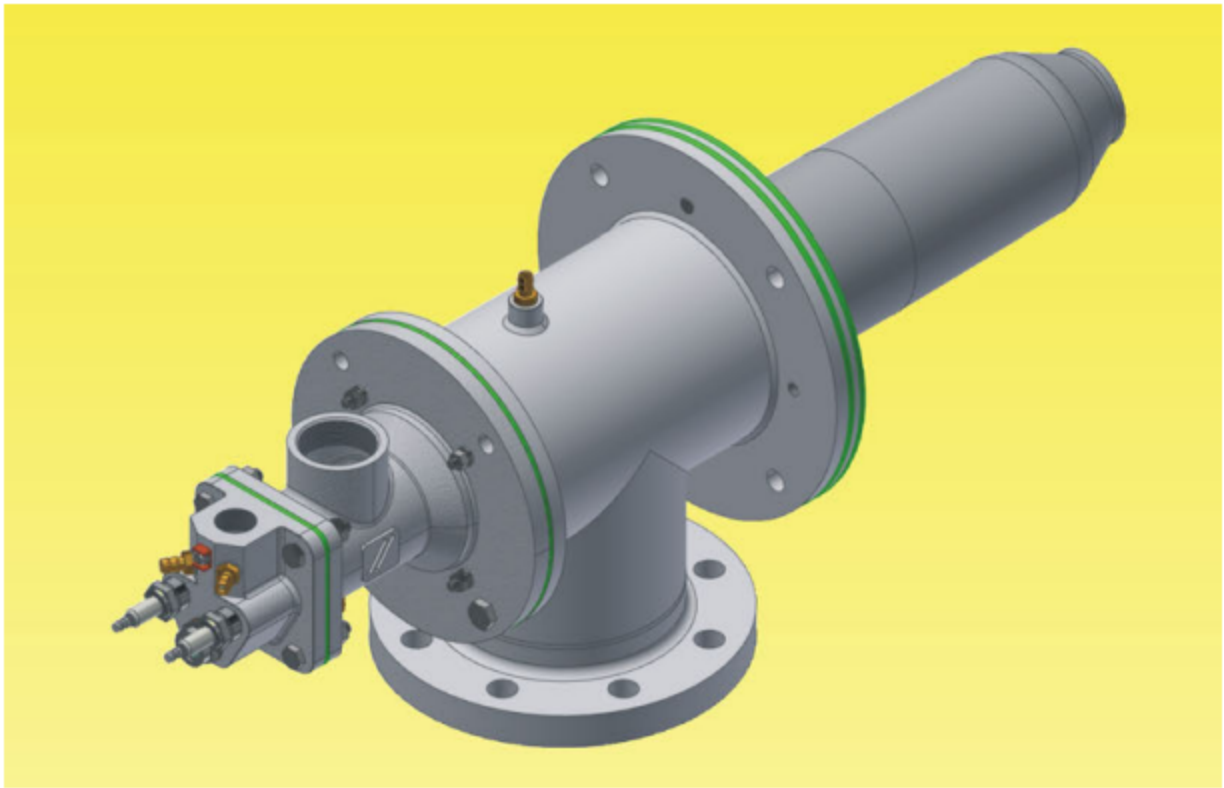
Astechnic
诺 一

ACA

Aeries Burner



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ACA Secondary Air Burner

Flame Temperature Adjustable

Features

The secondary air adds an independent secondary air channel on the basis of conventional burner AIC, and the flame temperature can be adjusted according to the temperature control requirements, and the temperature range 300°C-1500°C.

When the secondary air of the burner is controlled separately, the complete combustion can be ensured under the condition of large excess air coefficient and low flame temperature.

As a large number of secondary air enters the burner, it can ensure a higher outlet speed regardless of the power, which is beneficial to control the furnace temperature evenly and strengthen the effect of convection heat transfer.

The secondary air burner is mainly composed of conventional AIC burner, secondary air shell and silicon carbide tube.

Conventional AIC burner can choose AIC65, AIC100, AIC140, double electrode detection.

The gas has orifice plate structure to monitor the flow rate, and the air flow rate can be installed according to the needs of the site.

The secondary air has an independent interface, so it is necessary to install an air orifice plate to monitor the flow rate, and silicon carbide can be selected to extend the length of the tube according to the needs of the site.

Applications

- Metal Heat Treatment Furnace
- Non-Ferrous Metal Melting Furnace
- Rotary Kiln
- Heating Furnace
- Tunnel Kiln
- Shuttle Kiln
- Ceramic Fiber Furnace
- Drying equipment and hot air stove

Product Description

• Air shell:	Low carbon steel / cast iron	• Preheat the air:	Normal temperature
• Material material for air inlet pipe:	Low carbon steel / cast iron	• Power:	90~450KW
• Applied maximum furnace temperature:	1100°C	• Air inlet pressure:	40mbar
• Fire pipe material:	SIC	• Gas inlet pressure:	30mbar
• Combustion head:	SUS 310s	• Fuel:	NG/L PG/COG
• Fixed flange:	Q235	• Adjustment ratio:	1:8

Ignition and Flame Monitoring

- The ignition of the burner is realized by the ignition electrode.
- Flame detection can choose UV ultraviolet rays or electrodes.

Type selection

Type selection of burners:

Model	ACA	65	H	B	300
Conventional burner	65/ 1001 140				
Flame type	H: Long flame R: Short flame				
Type of gas	B: Natural gas; G: Liquefied gas; D: Coke oven gas				
Total length of fire pipe	300, 350, 300+n*50.....				

Example:ACA 65HB 300

Type selection of silicon carbide tube:

Model	Specifications	Silicon carbide tube (internal)	Silicon carbide tube (external)	Power/KW	Secondary air volume /m3/h
ACA	6 5	TSC65B033-300	TSC100B050-300	50	380
ACA	6 5	TSC65B033 -300	TSC100B065-300	50	600
ACA	6 5	TSC65B040-300	TSC100B065-300	60	400
ACA	100	TSC100B050-300	TSC140B070-300	130	500
ACA	100	TSC100B065-300	T SC140B085-300	200	500
ACA	100	TSC100A082-300	TSC140B120-300	230	500
ACA	140	TSC140B085-300	TSC200B107-300	320	650
ACA	140	TSC140A120-300	TSC200B181-300	360	750

The specific installation Dimensions of the burner is shown in the following figure