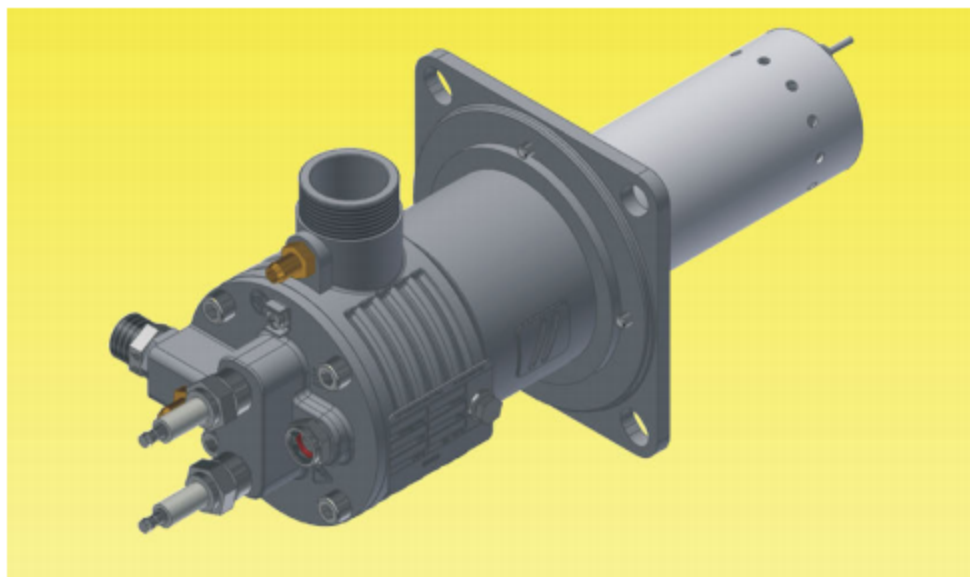




ASR Split Burner



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ASR Split Burner

Replaceable core, easy maintenance, stable performance

Features

ASR Split Burner is split assembly, easy to use, easy to disassemble, easy to maintain and high stability. The core of the gun can be disassembled and assembled separately, and the core of the gun only needs to be replaced when it is replaced, and the shell does not need to be removed, which greatly saves manpower, material resources and time.

ASR Split Burner flame stability, high rigidity, can adapt to a variety of complex environments.

The burner head is made of heat-resistant stainless steel, and the burner has the function of automatic ignition and detection, which can be used with the ignition controller to realize the kiln temperature self-control and flameout alarm.

ASR Aeries Burner can also be assembled with silicon carbide and can use preheated air (below 200C).



Applications

- Ceramics Roller Kiln
- Tunnel Kiln

Product Description

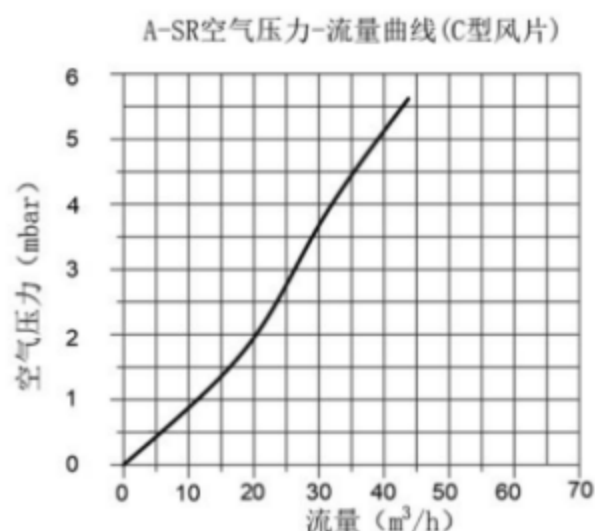
- | | |
|---|---------------------------------|
| ● Air shell: Cast aluminum | ● Preheat the air: 200° C |
| ● Material material for air inlet pipe: Cast aluminum | ● Power: 5-60KW |
| ● Applied maximum furnace temperature: 1200° C | ● Air inlet pressure: 1- 5mbar |
| ● Combustion chamber: Silicon carbide | ● Gas inlet pressure: 1-1 3mbar |
| ● Fire pipe material: SUS 304 | ● Fuel: NG |
| ● Combustion head: SUS 310S | ● Adjustment ratio: 1:10 |
| ● Fixed flange: Cast aluminum | |

Ignition and Flame Monitoring

- The ignition of the burner can be realized by the ignition electrode, and the flame detection can be realized by ion detection.

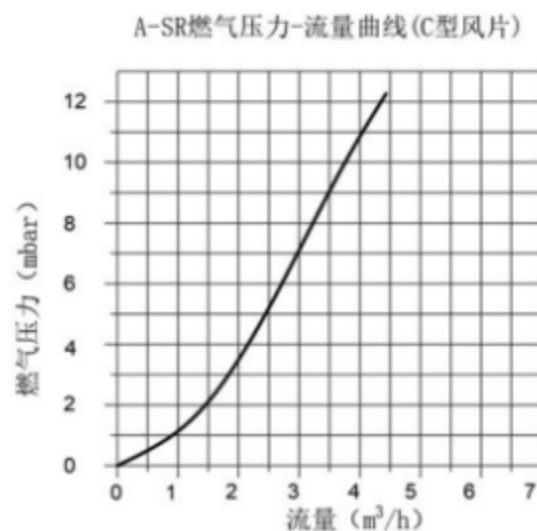
Air Pressure- Traffic Characteristics

A- SR Air Pressure-Flow Curve (type-C wind plate)



Gas Pressure-Flow characteristics

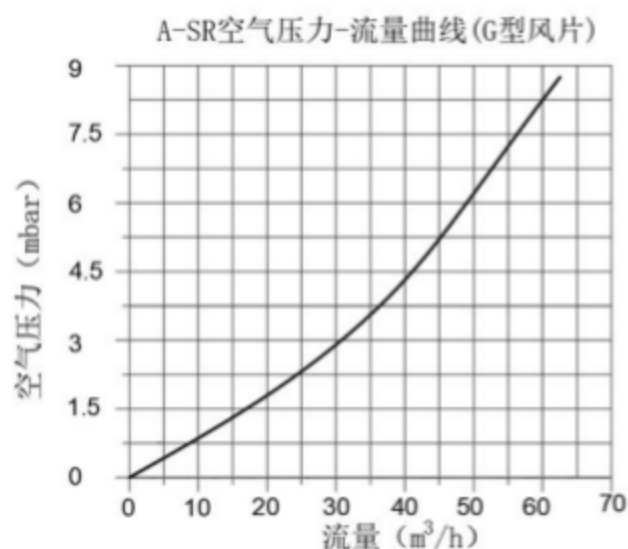
A-SR Gas Pressure-Flow Curve (type-C wind plate)



Test data of A-SR burner (Wind film: type-C wind film, Test condition: air excess coefficient 1.0, Air temperature: Normal temperature)

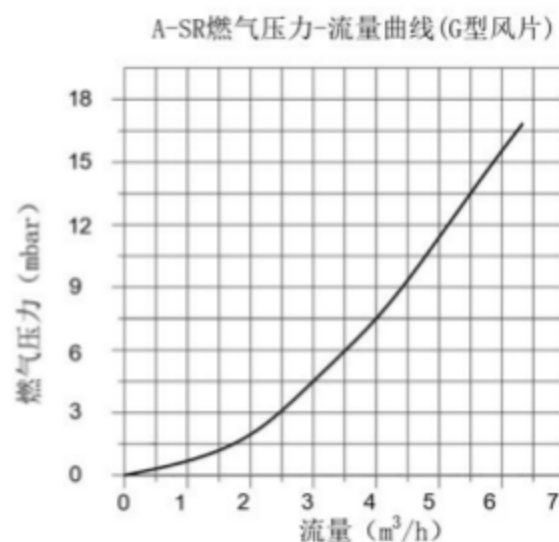
Air Pressure- Traffic Characteristics

A-SR Air Pressure-Flow Curve(type-G wind plate)



Gas Pressure-Flow characteristics

A- SR Gas Pressure-Flow Curve(type-G wind plate)



Test data of A-SR burner(Wind film: type-G wind plate, Test condition: air excess coefficient 1.0, Air temperature: Normal temperature)

Installation

The ASR Split Burner is recommended to be installed horizontally and may cause water vapor condensation and ignition problems on the electrodes if vertical installation is required.

ASR Split Burner can be used in furnaces with refractory fiber lining, refractory brick or refractory castable masonry.

Specific installation requirements:

The burner is fixed horizontally on the furnace wall with bolts, and thermal insulation cotton needs to be installed between the burner and the furnace wall.

The connection direction of air and gas inlet can be adjusted according to the field conditions.

ASR Split Burner is easy to disassemble and belongs to split structure. If it needs to be replaced, just screw out the four screws on the gas cover to remove the core of the gun.

ASR split burner is often used with silicon carbide because of its high thermal conductivity, low thermal expansion coefficient, light weight, high strength and good energy saving effect.

Burner Specification

Product Code	Model	Power	Fire pipe diameter	Fire pipe length /L	Wind film type	Fuel	Area
101903650001	ASR-65-G-85	5-60KW	65	85	Type-G	NG	Preheating section
101903650002	ASR-65-G-115	5-60KW	65	115	Type-G	NG	Preheating section
101903650003	ASR-65-G-125	5-60KW	65	125	Type-G	NG	Preheating section
101903650004	ASR-65-G-135	5-60KW	65	135	Type-G	NG	Preheating section
101903650005	ASR-65-G-165	5-60KW	65	165	Type-G	NG	Preheating section
101903650006	ASR-65-G-195	5-60KW	65	195	Type-G	NG	Preheating section
101903650007	ASR-65-G-215	5-60KW	65	215	Type-G	NG	Preheating section
101903650008	ASR-65-C-70	5-30KW	65	70	Type-C	NG	High temperature section
101903650009	ASR-65-C-100	5-30KW	65	100	Type-C	NG	High temperature section
101903650010	ASR-65-C-110	5-30KW	65	110	Type-C	NG	High temperature section
101903650011	ASR-65-C-120	5-30KW	65	120	Type-C	NG	High temperature section
101903650012	ASR-65-C-150	5-30KW	65	150	Type-C	NG	High temperature section
101903650013	ASR-65-C-180	5-30KW	65	180	Type-C	NG	High temperature section
101903650014	ASR-65-C-200	5-30KW	65	200	Type-C	NG	High temperature section

The specific installation dimension is shown in the following table:

