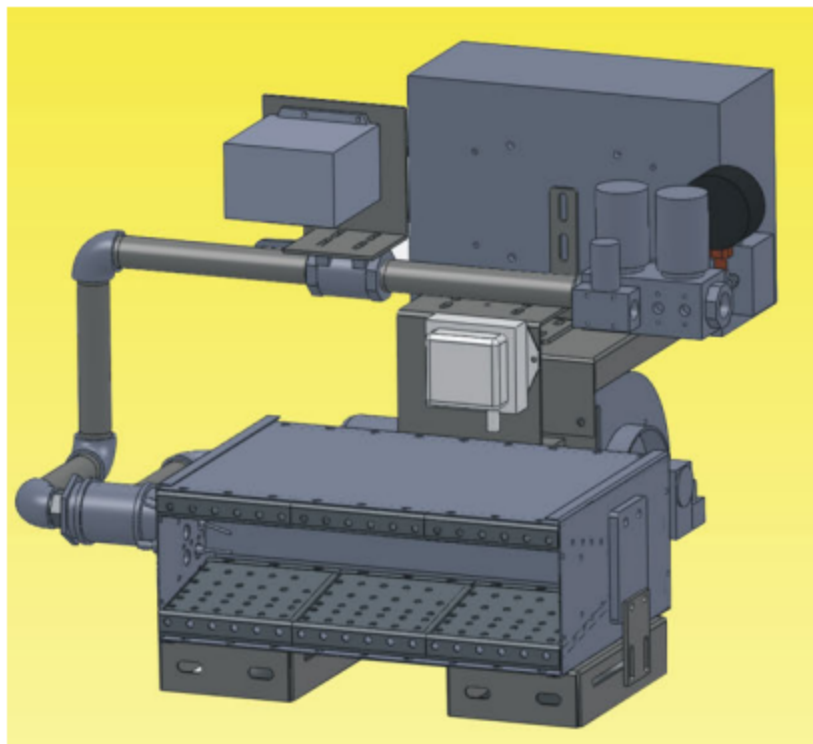




ACM Linear Burner



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ACM Linear Combustion

Features

- Air shell: Q235
- Material material for air inlet pipe: Q235
- Flame Length 300MM
- Fire pipe material: SUS 304
- Combustion head: SUS 310S
- Fixed flange: Q235
- Preheat the air: Normal temperature
- Power: 150- 720KW
- Gas inlet pressure: 50mba
- Fuel: NG/L PG
- Adjustment ratio: 1: 40

Applications

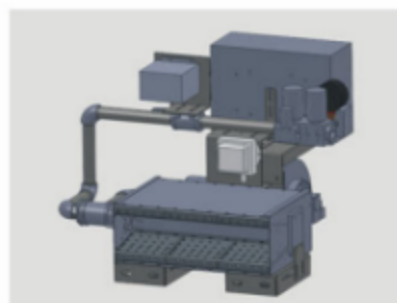
- Hot air oven
- Industrial drying
- Hot blast stove

Product Description

The ACM burner is Linear Burner, which is suitable for producing a large amount of clean and high temperature air. This burner is equipped with an integrated combustion-supporting air fan, which is installed on the shell of the burner. The blower provides appropriate air volume and pressure to the burner to make the burner operate stably in a wide range of air duct speed, and there is no need to install a wind shield around the burner.

Ignition and Flame Monitoring

- The ignition of the burner can be realized by the ignition electrode.

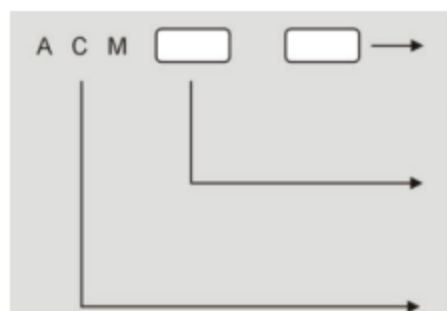


ACM-N(The burner is internally installed)



ACM-W(The burner is externally installed)

Model



- Flame detection, ion detection.

Installation structure:

W: The burner is externally installed

N: The burner is internally installed
Built-in Combustion chamber

Burner Power

- 10: 150KW
- 20: 250KW
- 30: 370KW
- 40: 480KW
- 50: 600KW
- 60: 720KW

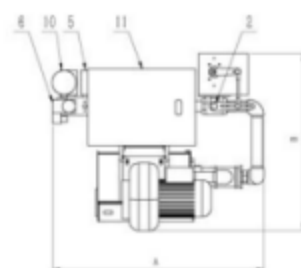
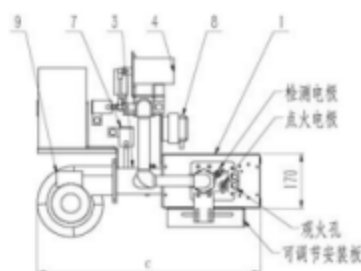
ACM series linear burner

Product parameters

Burner Model	ACM10N	ACM20N	ACM30N	ACM40N	ACM50N	ACM60N
Maximum Power	150KW (100,000 Kcal)	250KW (200,000 Kcal)	370KW (300,000 Kcal)	480KW (400,000 Kcal)	600KW (500,000 Kcal)	720KW (600,000 Kcal)
Minimum Power	4KW	6KW	9KW	12KW	15KW	18KW
Adjustment ratio	1: 40	1: 40	1: 40	1: 40	1: 40	1: 40
Regulation mode	Constant air volume and gas regulation					
Load regulation mode	Valve position control of three-wire motor					
Detection mode	Ion detection					
Fuel type	Natural gas or liquefied petroleum gas					
Maximum flow rate of gas	15NM3	25NM3	37NM3	48NM3	60NM3	72NM3
Minimum flow rate of gas	0.4NM3	0.6NM3	0.9NM3	1.2NM3	1.5NM3	1.8NM3
Burner Gas inlet pressure	50mbar	50mbar	50mbar	50mbar	50mbar	50mbar
Gas inlet direction	Left air intake					
Blower motor power	220V/380V 50Hz 200W	220V/380V 50Hz 200W	220V/380V 50Hz 400W	220V/380V 50Hz 400W	220V/380V 50Hz 750W	220V/380V 50Hz 750W
Weight	50Kg	65Kg	70Kg	80Kg	85Kg	90Kg
Flame Length	300mm	300mm	300mm	300mm	300mm	300mm

ACM-N series dimension phase configuration

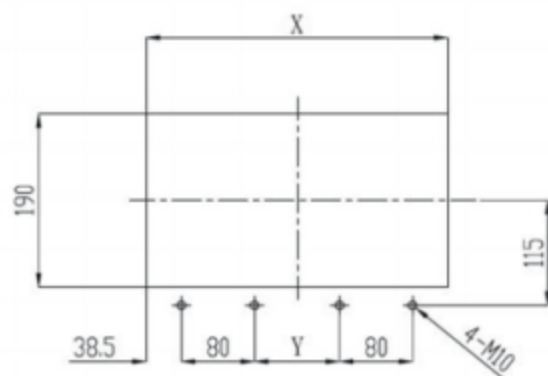
Detection electrode
Ignition electrode
Fire viewing hole
Adjustable mounting plate



No.	Name	Brand
1	Burner	Astechnic
2	Gas Linear Valve	Astechnic
3	Air butterfly valve	Astechnic
4	Actuator	Astechnic
5	Gas Solenoid Valve	Astechnic
6	Gas Pressure Switch	GUNGS
7	Air Pressure Switch	GUNGS
8	Ignition high pressure package	Astechnic
9	Combustion fan	Astechnic
10	Gas pressure gauge	Astechnic
11	Burner control box	Astechnic

Burner Model	ACM10N	ACM20N	ACM30N	ACM40N	ACM50N	ACM60N
A	490	690	730	980	1080	1180
B	580	580	580	620	690	690
C	700	700	730	730	800	800

Schematic diagram of mounting plate for ACM-N Series Burner



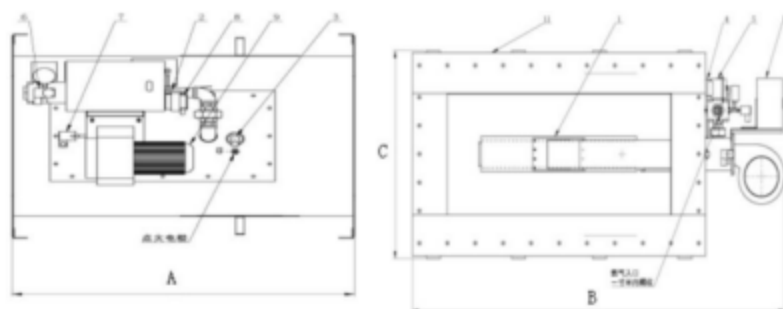
Burner Model	ACM10	ACM20	ACM30	ACM40	ACM50	ACM60
X	180	330	480	630	780	930
Y		93	243	393	543	693

ACM-W Product parameters

Burner Model	ACM10W	ACM20W	ACM30W	ACM40W	ACM50W	ACM60W
Maximum Power	150KW (100,000 Kcal)	250KW (200,000 Kcal)	370KW (300,000 Kcal)	480KW (400,000 Kcal)	600KW (500,000 Kcal)	720KW (600,000 Kcal)
Minimum Power	4KW	6KW	9KW	12KW	15KW	18KW
Adjustment ratio	1: 40	1: 40	1: 40	1: 40	1: 40	1: 40
Regulation mode	Constant air volume and gas regulation					
Load regulation mode	Valve position control of three-wire motor					
Detection mode	UV detection					
Fuel type	Natural gas or liquefied petroleum gas					
Maximum flow rate of gas	15NM3	25NM3	37NM3	48NM3	60NM3	72NM3
Minimum flow rate of gas	0.4NM3	0.6NM3	0.9NM3	1.2NM3	1.5NM3	1.8NM3
Burner Gas inlet pressure	50mbar	50mbar	50mbar	50mbar	50mbar	50mbar
Direction of combustion chamber operating surface	The air intake of the combustion chamber is in the opposite direction to the right as the operating surface.					
Blower motor power	220V/380V 50Hz 200W	220V/380V 50Hz 200W	220V/380V 50Hz 400W	220V/380V 50Hz 400W	220V/380V 50Hz 750W	220V/380V 50Hz 750W
Weight	220Kg	220Kg	220Kg	240Kg	250Kg	250Kg
Flame Length	300mm	300mm	300mm	300mm	300mm	300mm



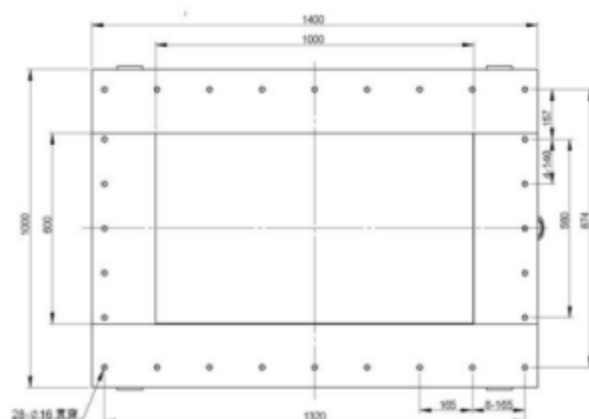
Installation



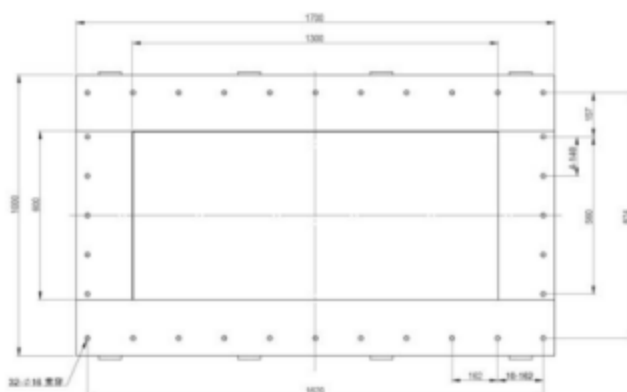
No.	Name	Brand
1	Burner	Astechnic
2	Gas Linear Valve	Astechnic
3	UV detection	Astechnic
4	Actuator	Astechnic
5	Gas Solenoid Valve	Astechnic
6	Gas Pressure Switch	Astechnic
7	Air Pressure Switch	Astechnic
8	Ignition high pressure package	Astechnic
9	Combustion fan	Astechnic
10	Burner control box	Astechnic
11	Combustion chamber	Astechnic

Burner Model	ACM10W	ACM20W	ACM30W	ACM40W	ACM50W	ACM60W
A	1210	1210	1210	1210	1210	1210
B	1650	1650	1830	2090	2150	2150
C	1020	1020	1020	1020	1020	1020

Schematic diagram of mounting plate for ACM-N Series Burner



Schematic diagram of ACM10-W, ACM20-W, ACM30-W burner mounting plate



Schematic diagram of ACM40-W, ACM50-W and ACM60-W Burner Mounting Plate

No.	Model	Description	Order code
1	ACM20N	Gas inlet pressure 50mbar	122080000012
2	ACM30N	Gas inlet pressure 50mbar	122080000013
3	ACM40N	Gas inlet pressure 50mbar	122080000014
4	ACM50N	Gas inlet pressure 50mbar	122080000015
5	ACM60N	Gas inlet pressure 50mbar	122080000016
6	ACM20M	Gas inlet pressure 50mbar	122080000101
7	ACM30M	Gas inlet pressure 50mbar	122080000102
8	ACM40M	Gas inlet pressure 50mbar	122080000103
9	ACM50M	Gas inlet pressure 50mbar	122080000104
10	ACM60M	Gas inlet pressure 50mbar	122080000105