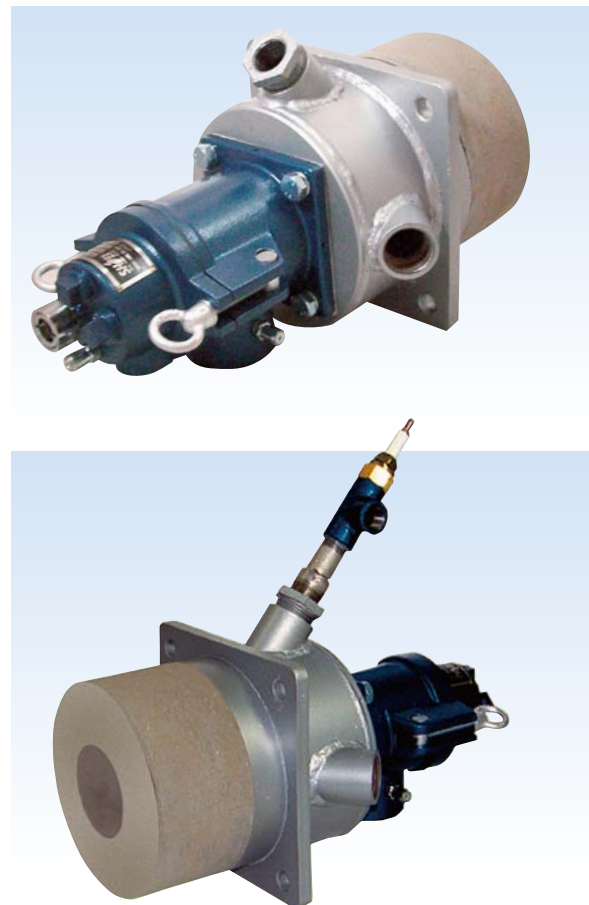




It is a high temperature burner which has a large combustion range and is easy to maintain

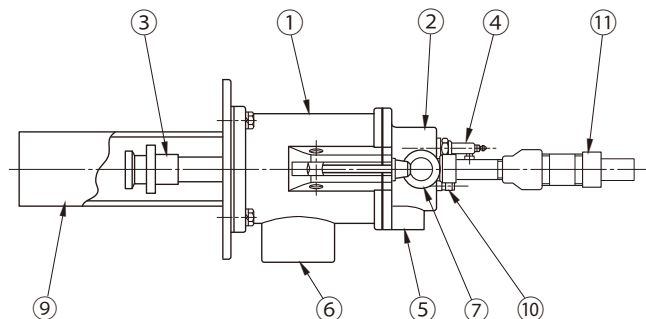
Feature

- 1 EIS burner is a nozzle mixing type burner, which has a large combustion range, especially stable combustion even in excess air, and it can be widely used in industrial furnaces.
- 2 Stable combustion can be obtained.
- 3 The turndown ratio is large, stable combustion is obtained over the whole combustion range, and control in a wide temperature range is possible.
- 4 Combustion system is simple.
- 5 The direct ignition method makes the piping system simple, and the burner itself is also compact.
- 6 Preheated air can also be used. Preheated air (300°C) can use, and save energy.
- 7 Easy to maintenance.
The burner head can be easily detached by the clamp mechanism, and easy to cleaning for maintenance around the furnace body.
- 8 There are two types, M-type(Metal top integrated type) and T-type (Burner tile integrated type).

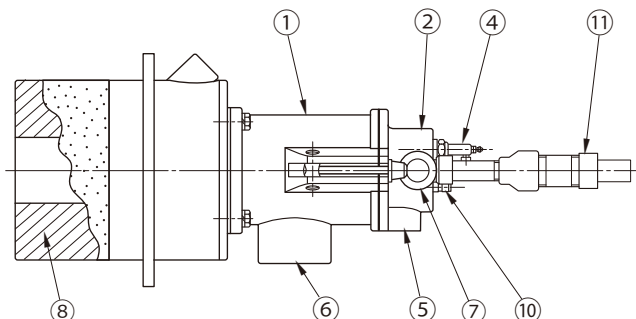


Construction

» M type



» T type



- | | | | |
|-----------------|-----------------------|---------------|---------------------------------|
| ① burner casing | ④ spark rod | ⑦ clamp | ⑩ sight hole |
| ② burner head | ⑤ gas connection port | ⑧ burner tile | ⑪ ultraviolet phototube set |
| ③ burner nozzle | ⑥ air connection port | ⑨ metal top | (not included in the main body) |

Main Usage

- various melting furnaces, heat treatment furnaces, salt baths etc.

model table

EIS — combustion capacity		gas type		burner top	
signal	Select Specifications	signal	Select Specifications	signal	Select Specifications
50	58kW	N	natural gas (45MJ/m ³ N)	M	with metal top
100	116kW	P	LP gas (100MJ/m ³ N)	T	with burner tile
200	233kW	O	others	O	others

Note) Direct ignition is the standard ignition method of this burner. Ignition by the pilot burner, please consult separately.

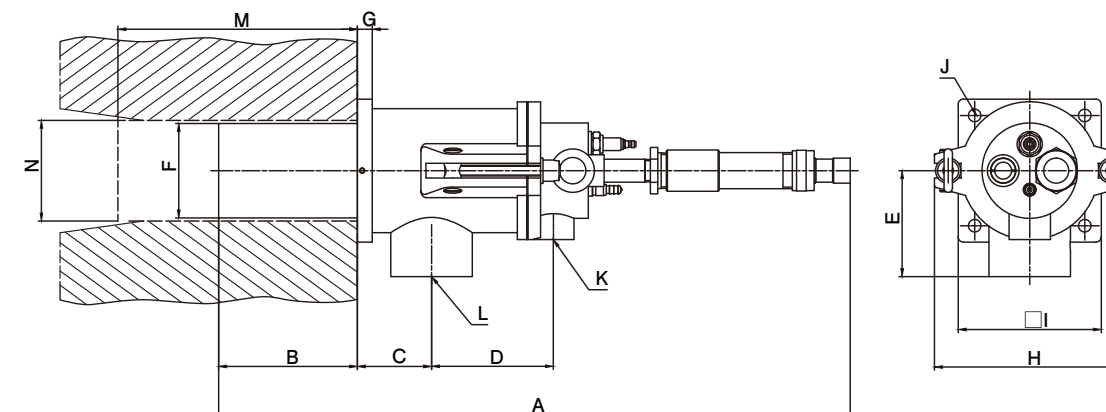
Specifications

Model	EIS-50	EIS-100	EIS-200
Maximum combustion quantity (kW)	58	116	233
Burner gas pressure (kPa)	0.36/0.35	0.61/0.67	0.65/0.69
Burner air pressure (kPa)	0.33/0.31	0.56/0.54	1.0/0.72

※furnace pressure 0kPa, air temperature 20°C, in case of air pressure 1.4(LPG/13A)

Overall size

» M type Metal top

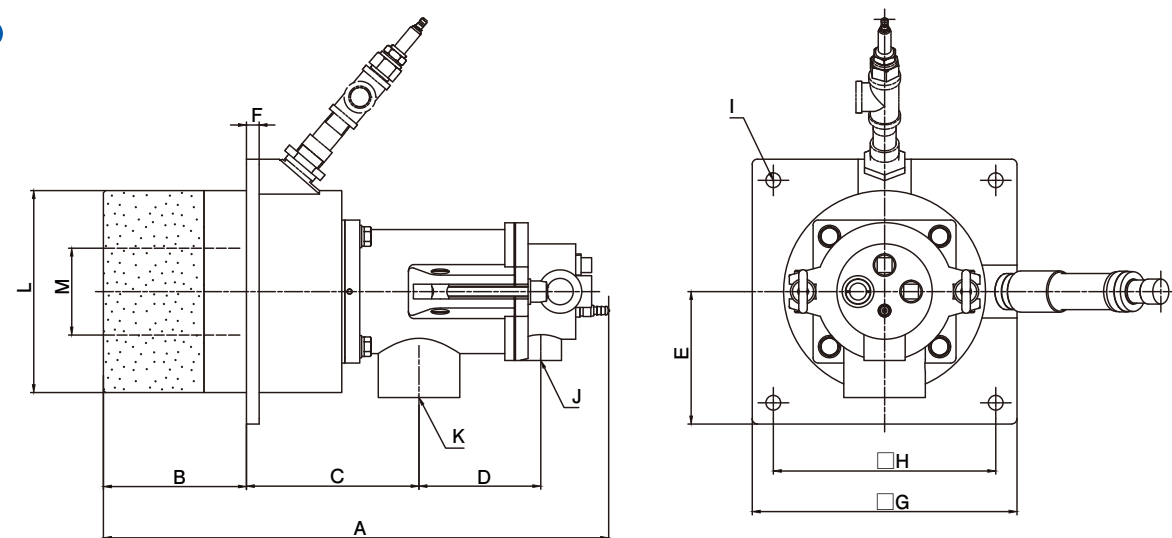


Model	Overall size (mm)					mounting size (mm)				connecting size	connecting size (Rc)		Furnace internal opening size (mm)	
	A	B	C	D	E	F	G	H	I	J (furnace body)	K (Gas)	L (Air)	M	N(φ)
EIS-50	514	114	50	73	76	76.3	10	143	86	4-φ12	1/2	1 1/2	200	82
EIS-100	596	131	70	115	100	89.1	14	180	104	4-φ12	3/4	2	225	95
EIS-200	664	144	100	129	120	114.3	14	202	130	4-φ12	1	2 1/2	250	120



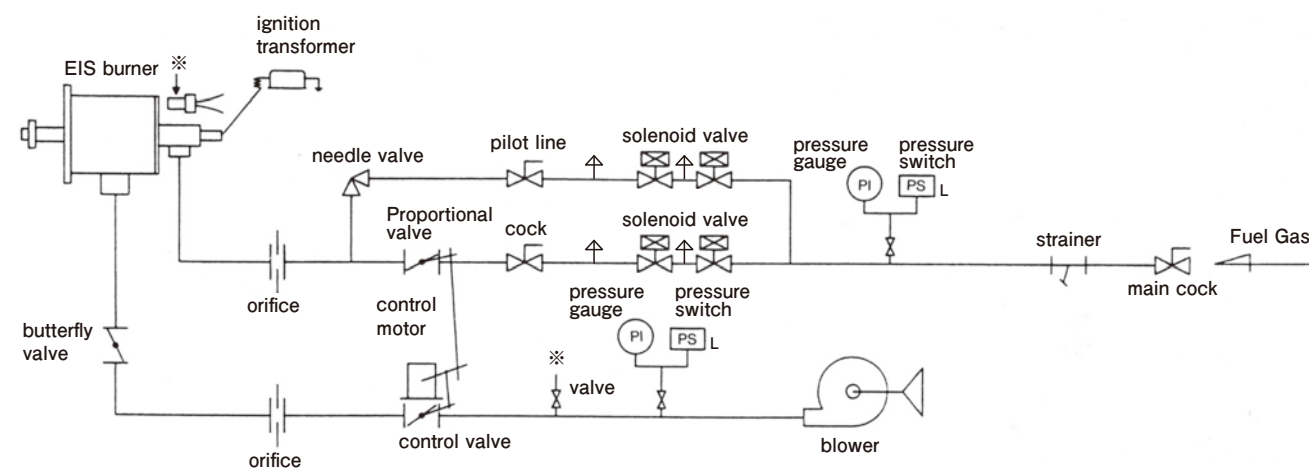
Overall size

» T type
Burner tile



model	Overall size (mm)					mounting size (mm)			connecting size	connecting size (Rc)		tile top size (mm)	
	A	B	C	D	E	F	G	H	I (furnace body)	J (Gas)	K (Air)	L (φ)	M (φ)
EIS-50	390	110	143	73	76	12	190	150	4-φ 14	1/2	1 1/2	165.2	64
EIS-100	475	135	163	115	100	12	250	210	4-φ 14	3/4	2	190.7	82
EIS-200	556	160	193	129	120	14	280	240	4-φ 14	1	2 1/2	216.3	105

Example of flow sheet



note) please install gas/air orifice meter(SOM made in our company) for combustion management

Handling Precautions

- 1 Clamp function is provided to facilitate cleaning around the burner combustion section.
Please piping with a union or coupler to gas connection part.
- 2 Do not use the ultraviolet phototube in the furnace where the other flame exists in the furnace
because ultraviolet phototube sees the inside of the furnace from the back plate.