Pilot burner

Pilot burner and Holder

PLT-0.5U,1U,2U
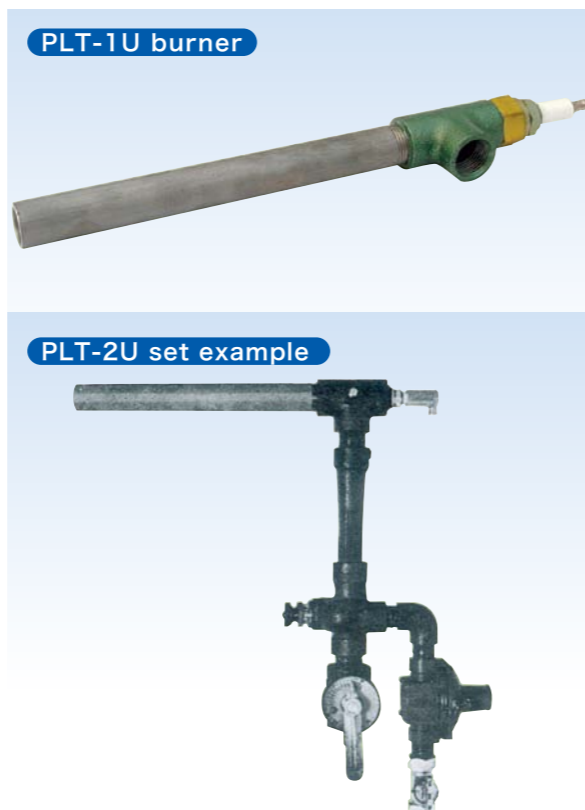
Pilot burner for various kind of burners with high flame stability.
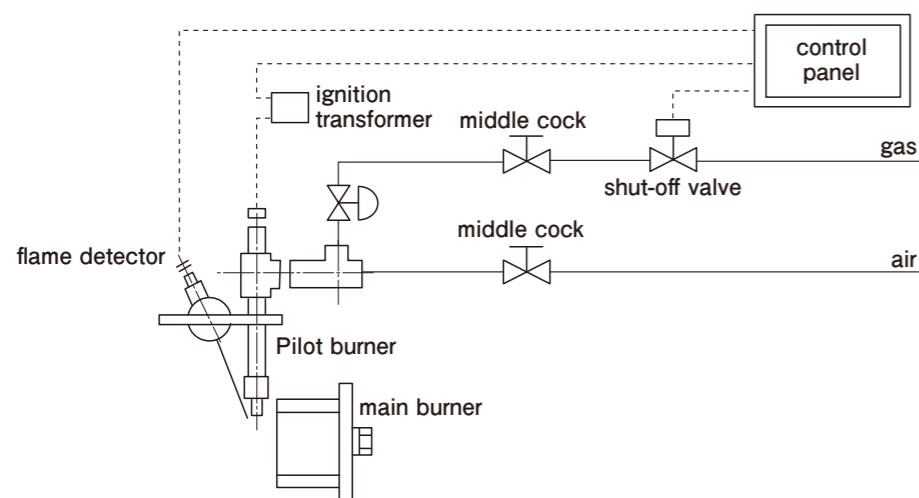
Feature

1 Because of the plast type pilot burner, flame stability is high.

2 Because the flame is strong and long, ignition to the main burner is surely done.

3 Burner top uses SUS 304 and high durable.

4 We can fine-tune the mixing ratio so it can be used for any gas.

5 Ignition to the burner is done reliably because of the high voltage electric spark.

6 Even if the variation of the air pressure is intense, it can stabilize the flame at a constant mixing ratio by using a zero governor.

7 Burner length can be processed as long and short (custom made) besides standard.

PLT-1U burner

PLT-2U set example

Precautions

● The branch of the gas pipe and the air pipe to the pilot burner shall be in a position not affected by the pressure fluctuation at the time of using the main burner. (Excepting the case of using a zero governor)

● For zero governor use, air pressure 0.5 kPa or more is desirable.

● The secondary voltage of the ignition transformer shall be 5,000 to 15,000 V.

● The positional relationship between the pilot burner and the main burner, please a position to reliably ignited in any case.
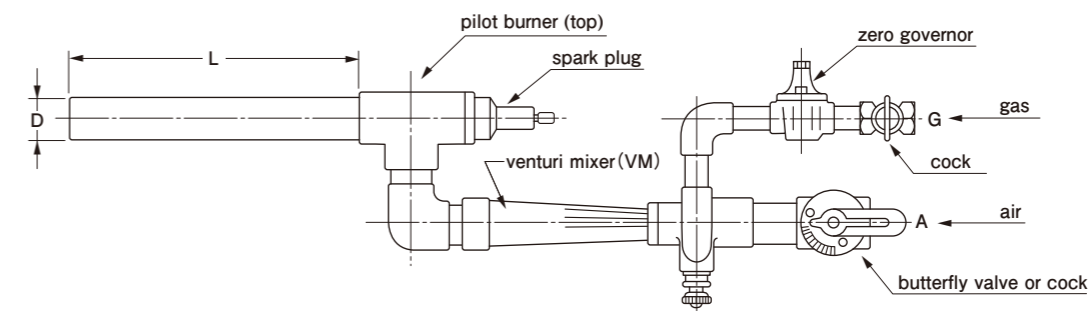
Example of piping system

Specifications · Dimensions

Model		PLT-0.5U	PLT-1U	PLT-2U
Standard combustion capacity (kW)		5.8	11.6	23.3
Standard air pressure (kPa)		1.8	3.0	4.5
Overall size (mm)	L※	200/300	200/300	200/300
	D	1/2	3/4	1
Connection size (Rc)	G (gas)	1/2	1/2	3/4
	A (air)	1/2	3/4	1

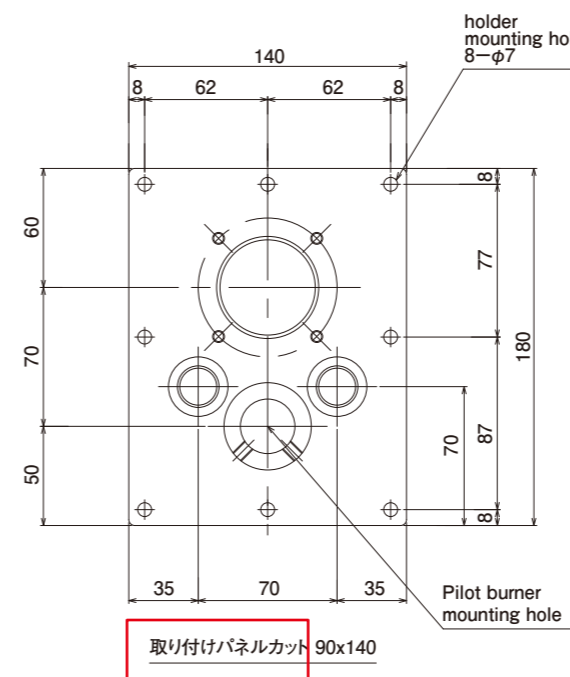※Special size is possible.

■ Pilot burner set
(It is an example set assembled compactly with a dedicated mixer.)
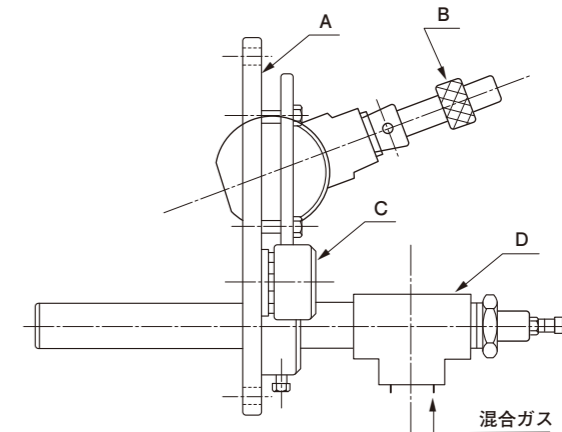

■ Pilot burner and flame detector holder (option)

● The holder for setting pilot burner, sight hole and flame detector on the furnace wall.

取り付けパネルカット 90×140

■ Pilot burner assembly (Option assembly set)

混合ガス

■ Setting holder specifications

name	A (holder)	B (flame rod or ultraviolet phototube)	C (sight hole)	D (Pilot burner)
remarks	Mounting size prepared hole processing 90mm×140mm	Connection size (R) 1/2	Connection size (R) 1/2	For PLT-2U, it will be made to order.