



Fusar Bassini Astorre e C. Snc DOUBLE GAS SUPPLY SYSTEM PILOT BURNERS

	CAPACITY	
	Kw	Kcal/h
- PILOT BURNER P25-S	240	206000
- PILOT BURNER P29-S	270	232000
- TORCH IGNITER TAP 21	200	170000
- PILOT BURNER FBU31-R	280	240000
- PILOT BURNER C7010	280	240000

PILOT BURNERS WITH BLAST AIR with electrode fully incorporated, complete with pre-mixer air/gas unit, with sensitive flow air combustion and premixed gas adjuster. With independent regulation of the pure gas capacity that feeds the pilot burner.

SPECIALLY FIT FOR BURNING CHAMBERS IN PRESSURE.

GASES: Natural gas, liquid gas

COMBUSTION AIR PRESSURE:

From 500 to 2.000 mm H₂O (for the appropriate pressure value refer to the description 1° STAGE)

GAS PRESSURE: from 0.1 Ate to 2 Ate

HIGH VOLTAGE ELECTRIC SWITCH: V.8000

PILOT LENGHT: Between 350 and 3000 mm

DESCRIPTION

The double gas supply system pilot burner guarantees a particularly stable and sufficiently voluminous flame that assures also an easy lighting of the main burner under conditions of great turbulence in the lighting zone.

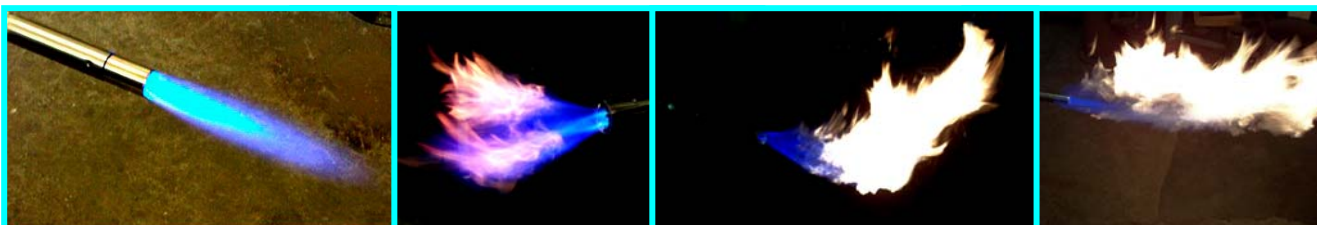
The pilot burner construction incorporates the gas feeding distributed in two stadiums that it allows the independent regulations of the premixed gas and of the pure gas to the pilot.

The first stadium uses a small gas course that opportunely comes premixed to stechiometric ratio with the combustion air fed by fan Booster or from a line of compressed air around 1000 ÷ 2000 mn H₂O (pilot burner P25, P29, TAP21) or still automatic feed directly from the principal burner's box (pilot burner FBU31 C7010).

The mixture air-gas fed by the premixed in the central reed is turned on through the electric arc in the heading retention nozzle's room of lighting. The flame that is gotten is of a stability and exceptional rigidity, but results of small too volume and difficulty are met for being able to reveal the mean flame of the UV detector. So the function of this flame is to turn on and to hold turned on the second stadium that it feeds a notable pure gas course on the flame premixed.

The pure gas of the second stadium finding the temperature, the presence of air enough and the protection of the deflector on the heading of the pilot, its auto-ignition increasing notably the volume flame of the burner pilots. The flame produced guarantees the possibility of joining to the principal burner.

PILOT BURNER, MAIN BURNER AND THE AUTOMATIC BURNER CONTROL UNIT MUST BE DESIGNED, INSTALLED AND SETTED MEETING THE LAW REGULATION IN FORCE.



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GAS BURNERS AND COMPONENTS FOR COMBUSTION SYSTEMS

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