



GEI-20 TYPE IGNITION BURNER

- **Function**

The ignition burner is used for various main burners, and also ensuring continuous operation (pilot burner function) actuating the main burner

- ignites the main burner by starting,
- through its continuous operation providing firing safety.

- **Field of application**

These firing appliances can be used by industrial boilers, by various heat recovery facilities operating with burners of forced air or injector.

The primary field of application of this burner family is by tube furnaces of oil refineries.

- **Execution**

The members of GEI type ignition burner family is featured by forced air combustion air supply having same nominal heating capacity, but consisting of various built-in length of component.

- **Design features**

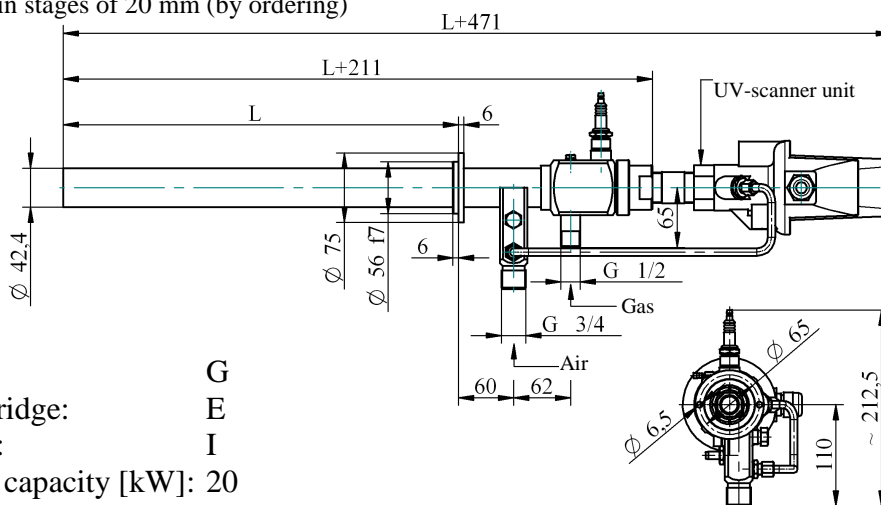
Ignition is provided by built-in ignitor. The ignition transformer is not part of the scope of delivery. Additional special advantage of the design is allows direct assembling with the UV scanner too.

- **Chief technical data**

<i>Fuel:</i>	natural gas, fuel gas	<i>Flame length:</i>	max. 400 mm
<i>Heating value of gas:</i>	34 - 42 MJ/m ³ _n	<i>Nominal gas pressure:</i>	1 bar (controlled) *
<i>Nominal gas consumptions:</i>	2 m ³ _n /h	<i>Volume of combustion air:</i>	max. 15 m ³ _n /h
<i>Nominal gas consumption:</i>	20 kW	<i>Combustion air temperature:</i>	max. 40 °C
<i>Built-in length (L):</i>	80-1400 mm **	<i>Nominal air pressure:</i>	20 mbar
<i>Voltage of spark ignition:</i>	5 kV		(above the pressure of combustion chamber)

* standard gas pressure 1 bar, gas pressure are optional: 0,5 bar, 0,1 bar.

** length can be chosen in stages of 20 mm (by ordering)



- **Types**

Operated by gas:	G
Operated by cartridge:	E
Industrial design:	I
Nominal heating capacity [kW]:	20



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