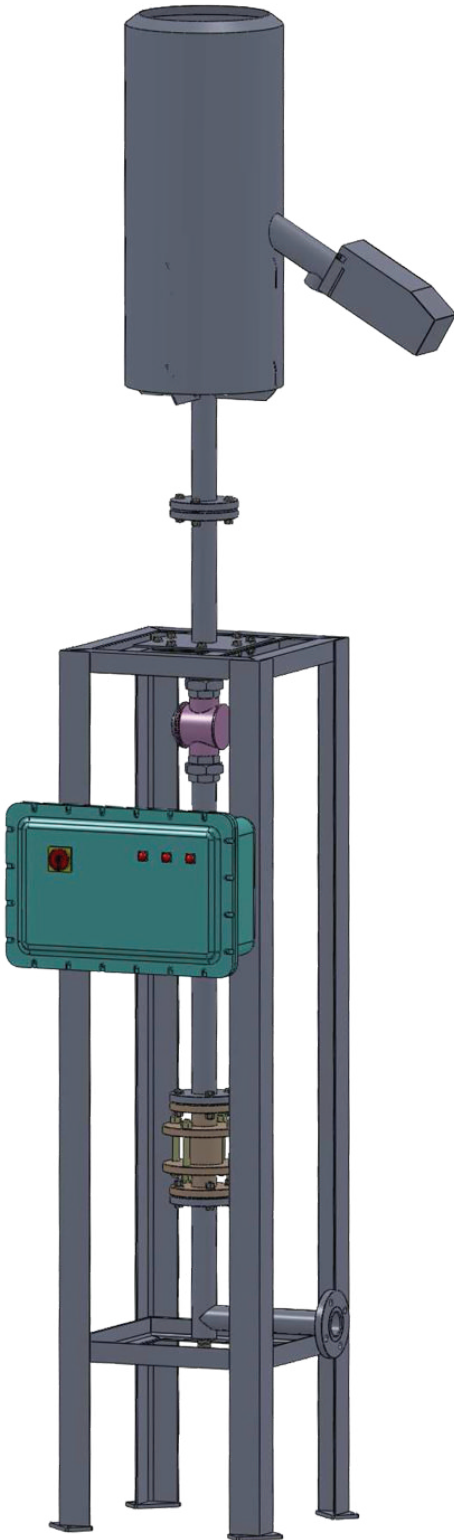


## Opened Emergency Flare TA series



### EQUIPMENT TYPE

Opened emergency flare TA series are typically used in combination with gas holder in biogas plants to release gas surplus in a safety way.

### APPLICATION

Used for moderate gas flow in production biogas line and for landfill gas

### OPERATING PRINCIPLE

An open flare is essentially a burner with a small windshield to protect the flame.

Gas Flares are designed to work in case of emergency or when there is an excess of biogas production they can be divided into two categories:

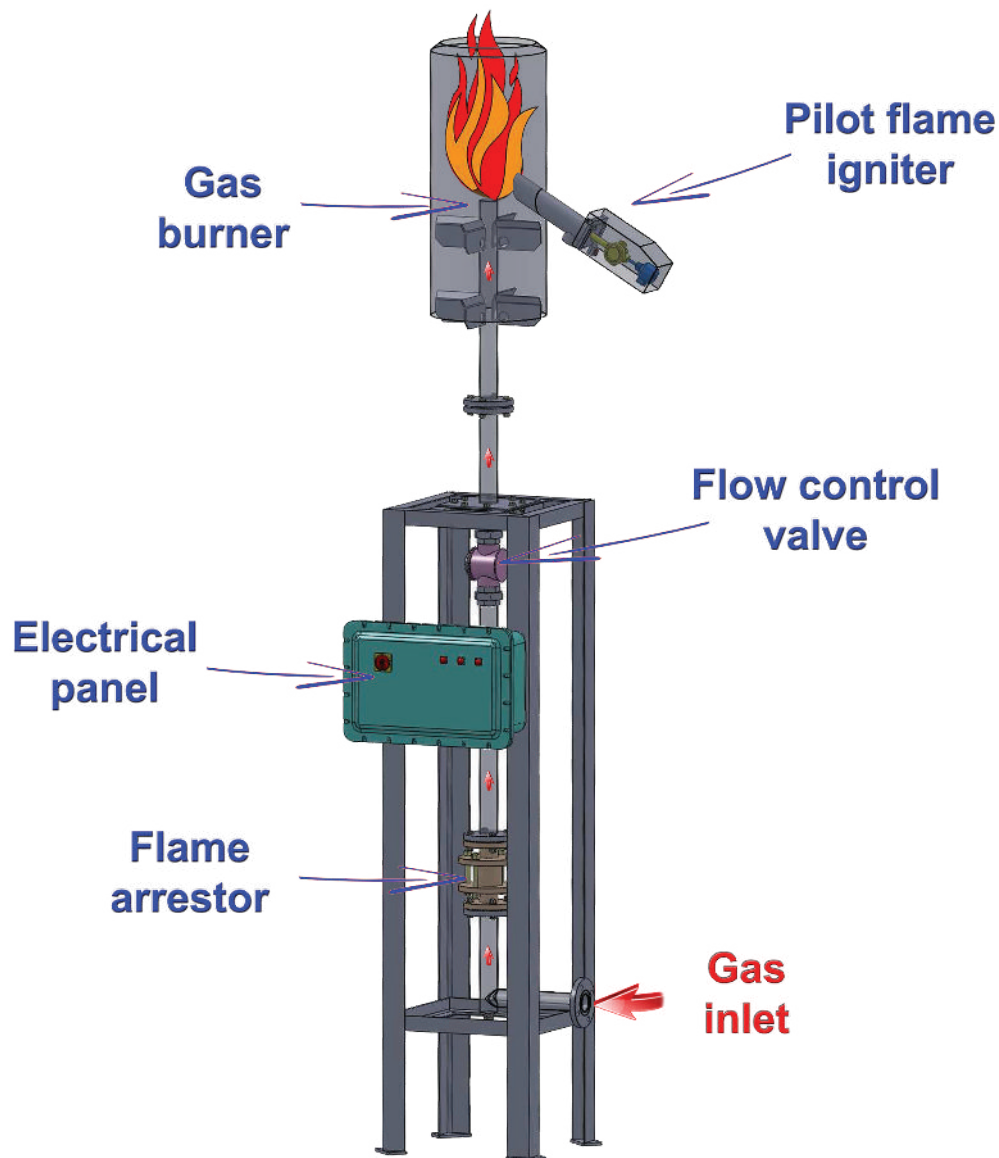
- Open flare type - visible flame
- Enclosed flare type - invisible flame

Emergency biogas Open flare TA series has a free flame at about 800 °C and can oxidize most of the polluting substances present in the biogas like H<sub>2</sub>S, CO ....

The opened flare is composed of a hot galvanized steel frame, a flow control valve, a flame arrester, a gas burner and a pilot flame igniter.

### MAIN ADVANTAGE

- Easy maintenance
- Low cost



Gas flow m <sup>3</sup> /h)	From 10	to 2.000
Dimensions	As required by the customer.	
Valves	Pneumatic or electrical.	
Gas burner	Ad high energy with UV control .	

## CONSTRUCTION

The structure is made of hot galvanized steel, however the other components are made of stainless steel AISI 304. On the structure are mounted: the gas supply tube, the Flame arrestor, the burner, the control panel, and Pilot flame igniter. The burner is protected from the wind by a screen.

## OPTIONAL

- Structure made of stainless steel
- Galvanized steel stairs
- Control panel ATEX