

**MTF**

Medium Temperature Flare

*The optimal solution for  
disposal of **Sewage-** and **Biogas***





# MTF

MEDIUM TEMPERATURE FLARE

## KEY FEATURES

- Burns safely and efficiently methane content of 50 - 75 (% Vol)
- Medium-temperature combustion
- High safety standard
- Short installation time
- Minimal maintenance requirements
- Compact, safe and inexpensive

## GENERAL SPECIFICATIONS

Gas Flow Rate	: 60...1'500 Nm <sup>3</sup> /h
Burner Capacity upto	: 10'000 kW
Methane Concentration	: 50...75 vol.%
Combustion Temperature	: >800 °C
Minimum inlet pressure	: > 25 mbar
Expected sound level at full load (at 15 m distance and 2 m height)	: < 69 dB (A)

## OPTIONS

- Frost protection
- Monitoring of combustion temperature
- Higher temperature of combustion >900 °C

*Note: More options available on request*



Medium temperature flares are designed mainly to burn biogas with methane concentration averaging around 65%. Because the combustion is concealed it is the optimal solution for installation in urbanized areas.

Gas is burned through injectors that guarantee a homogeneous combustion arriving at temperatures up to 800° to 900° C, with a combustion efficiency up to 99%.

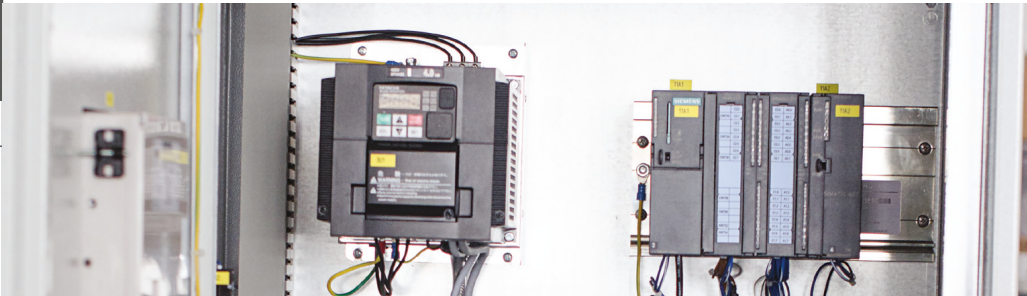
Its operation is completely automatic and its control system simple. The flare starts by pressure signal or start command from an external control system.

A burner control unit, which complies

with EN 298 (Automatic burner control systems for burners and appliances burning gaseous or liquid fuels), is integrated in the system to assure that no gas is released to the atmosphere without being burned.

The standard model is provided with a slam shut valve, pressure switch, certified flame arrestor in the pipe line and flame supervision by UV sensor in compliance with EN 746 (Industrial thermo processing equipment- Part2: Safety requirements for combustion and fuel handling systems).

Depending on customer's requirement each model can be fitted with a blower, a gas flow meter, frost protection, or integrated to an existing control system



## SAFETY FEATURES

- Flame arrestor
- Slam shut valve
- Burner control device with UV-detection

## SITE PREPARATIONS

- Foundation
- Electricity supply
- Pipe line connection



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