

## High temperature flare




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### Technical data

Thermal load	100 kW until 30.0 MW
Flow at 50 Vol% CH <sub>4</sub>	20 Nm <sup>3</sup> /h until 6000 Nm <sup>3</sup> /h
Minimal operating pressure	20 mbar
Retention time	> 0.3 sec
Combustion efficiency	> 99.99 %
Combustion temperature	1000 °C until 1200 °C
Suitable for	Landfill gas, Biogas, Sewage gas, Mines gas, Industrial gas and Wood gas
Heat value of the gas composition	3.0 until 15.0 kWh/Nm <sup>3</sup>
Suitable for lean/low calorific gas combustion	Old closed landfills, Peripheral landfill zones, Syngas
Heat value of the lean gas composition	12 until 30 Vol% CH <sub>4</sub> , 1.2 until 3.0 kWh/Nm <sup>3</sup> without support gas
	5 until 12 Vol% CH <sub>4</sub> , 0.5 until 1.2 kWh/Nm <sup>3</sup> with support gas
Turn down ratio	1:5 optional until 1:60
Noise level in 10m distance	< 69 dBA

Emission values	According TA-Luft or EA-standards
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## Characteristics

High availability
Simple and safe operation
Fully automatic operation
Emissions according TA-Luft or EA-Standards
Fully automatic combustion temperature control
CDM compatible
Service friendly
Low maintenance costs
Quick installation and commissioning times
Short delivery times

## Safety technology

Flame arrestor
Flame controlled with modern burner control unit and UV- sensor according EN-746
Monitoring of gas pressure and combustion temperature
Electrical or pneumatically slum shut valve
DVGW approved

## Options

Combustion control
Supporting system
Burner part interchangeability
Flame arrestor in pilot line
Turn down ratio up to 1:60
Frost protection
Noise level in 10m distance < 65 dBA
Exhaust gas analysing CH4, O2 to measure the combustion efficiency



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### The uncompromising solution for the environmentally friendly disposal of contaminated waste gases,

The high temperature flare (HTF) disposes of contaminated gases and air using an efficient combustion process and in compliance with the latest regulations.

Combustion of the gases at a temperature of 1000°C to 1200°C. In this temperature range, the oxidizable gas components are almost completely converted at a combustion efficiency of >99.99%.

The uncompromising solution for highest reliability and latest security technology.

### Product Images of high temperature flares.



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