

# HOFGAS<sup>®</sup> - LPM

## Customized degasification system

A modularly structured degasification system at the highest level for large-scale landfill sites.

Equipped with several blower groups, one or several high temperature flares and additional customized control and regulation concepts.

The **HOFGAS<sup>®</sup> - LPM** degasification system is the classic solution for safe and extensive handling of landfill gases. Controlled gas processing for further use in generators or heating power plants.

The excess gas is efficiently disposed of in an environmentally friendly manner in high temperature flares, according to European directives.

Ideal for further development phases of the waste site operation.



**HOFGAS<sup>®</sup> - LPM 5000**

- ✓ Modular component structure
- ✓ Ideal for development phases
- ✓ Expanded operating range
- ✓ Recommended for “Clean Development Mechanism“ (CDM) projects
- ✓ Optimal gas processing for recycling
- ✓ High-temperature combustion
- ✓ Fulfils the legal regulations
- ✓ High safety standard

### General specifications

Gas flow rate	from 1'000 Nm <sup>3</sup> /h
Burner capacity	from 5'000 kW
Blower pressure rise max.	600 mbar
Methane concentration	30 - 50 vol. %
Combustion temperature	1'000 - 1'200 °C
Residence time	> 0.3 s
Turn down ratio	1 : 5
Expected sound pressure level at full load (at 15m distance and 2m height)	< 69 dB(A)

### Safety features

- EEx motor
- Flame arresters
- Slam shut valve
- Burner control with UV detection

### Site preparation

- Preparation of location (fence, access road etc.)
- Pre-dewatering
- Foundation
- Electricity supply
- Pipeline connection
- Condensate disposal

### Options

- Higher blower pressure (for gas utilisation)
- Gas analysis system
- Telemonitoring
- Specific measuring and control technology

More options are available on request