

SGt-0s

Structure:

Flare can be connected either to biogas pressure system or gasholder.

In SGt-0s flare, biogas is burned off with visible flame in open combustion chamber at a temperature of $< 850^{\circ}\text{C}$.

Biogas flare is fully automatic device - during operation time no service intervention is necessary.

Basic components:

Flare: main construction made of stainless steel, butterfly valve, slam shut valve with el. actuator, flame arrester, el. ignition electrodes with thermoelement, stabilization ropes.

Electrical control: control cabinet with all control and safety elements, burner control unit.

Safety features:

The unit is equipped with all necessary safety features for the safe handling and combustion of the biogas.

The system is designed according to safety standards and is foreseen to be installed outside of the hazardous areas such as Zone **0**, **1** and **2**.

Safety equipment:

- flame arrester;
- slam shut valve;
- minimum pressure switch;
- burner control with thermocouple detection.

- **combustion temperature $< 850^{\circ}\text{C}$;**
- **open combustion with visible flame;**
- **high safety standard.**



Options:

- thermal insulation;
- frost protection (heating cable).

Standard type of series:

Flare model /size/	Gas flow rate max. Nm^3/h	Flare height, m	Burner capacity, $\text{kW} - 70\% \text{CH}_4$
SGt-0s 100	100	5.0	700
SGt-0s 250	250	5.5	1 750
SGt-0s 500	500	6.0	3 490
SGt-0s 1000	1 000	6.5	6 980

More options are available on request