

MEDIUM-TEMPERATURE FLARE MTU

The series MTU is a start-up and emergency flare (according to TA-Luft) with concealed burning. The construction of the flare is modular, so different sizes and designs are available.

Area of deployments

- ✓ Thermal disposal of combustible surplus gases such as in biogas, sewage and landfill gas plants
- ✓ Various special gases

Execution

Depending on the size, the flares are equipped with one or more gas lines and are available with a gas throughput of 25 - 3000 Nm³ / h. If a higher gas throughput is required, we will be happy to manufacture special flares or combined modules for you.

As soon as the start command and the gas pre-pressure to the flare are present the flare burner starts. The automatic gas burner controls the electrical ignition process automatically and monitors the flame during operation.

All control functions are housed in a weatherproof and ready-to-connect control cabinet. All components that are contacting with the medium are made of 316ss steel, welded, blasted and passivated.

Ignition systems: Direct ignition with high-voltage electrodes or pilot burners.



Technical specifications

- ✓ Volume flow: 25 - 3000 Nm³/h
- ✓ Fuel: Biogas, landfill gas, special gases
- ✓ Heat value: 35 - 100 % CH₄
- ✓ Connection: DN 50 - DN 300
- ✓ Ignition: High voltage 10 kV or pilot burner
- ✓ Flame control: UV-Cell

Main features

- ✓ Concealed and homogeneous burning > 850°C
- ✓ Dwell time over 0.3 seconds
- ✓ Low-noise design
- ✓ Burner control according to EN746
- ✓ Low-maintenance operation
- ✓ Flame tube and base frame made of stainless steel

Optional

- ✓ Antifreeze package
- ✓ Stainless steel control cabinet
- ✓ Manual butterfly valve
- ✓ Combustion temperature measurement
- ✓ Pilot burner for start-up operation
- ✓ Flare length according to customer requirements

Type	Volume Nm ³ /h	TH. Power max. kW	Gas pressure min. mbar with / without compressor	Connection DN	Dimensions LxWxH cm	Power levels
MTU 100	50-100	650	1 / 20	DN50	70x70x600	1
MTU 200	100-200	1200	1 / 30	DN80	70x70x750	1
MTU 300	150-300	1800	1 / 30	DN80	120x120x750	1
MTU 400	200-400	2400	1 / 35	DN100	120x120x750	1
MTU 600	200-600	3600	1 / 40	DN125	120x120x900	2
MTU 800-ZB isolated	400-800	4800	1 / 45	DN125	170x170x750	2
MTU 1000-ZB isolated	500-1000	6000	1 / 50	DN150	170x170x900	2
MTU 1500-ZB isolated	500-1500	9000	1 / 50	DN200	190x190x900	3
MTU 2000-ZB isolated	500-2000	12000	1 / 50	DN250	190x190x900	4
MTU 3000-ZB isolated	750-3000	18000	1 / 60	DN300	220x220x10500	4

