

# HIGH-TEMPERATURE FLARE MTU-HT

The MTU-HT series is designed as an operating flare (according to TA-Luft) with automatic exhaust gas temperature excitation to 1000 °C and a dwell time of at least 0.3 seconds.

## Areas of application

- ✓ thermal disposal of combustible excess gases (landfill gas systems)
- ✓ various special gases
- ✓ suitable for continuous operation

## Execution

MTU-HT flares are supplied with heat-resistant ceramic insulation (up to 1220 °C) and an automatically controlled supply air flap. The flares are available with a DVGW-tested gas engine valve in 1 to 4 stages and with a gas throughput of 50 - 3000 Nm<sup>3</sup> / h.

The flare burner starts as soon as the start command and the gas pressure to the flare are present and monitors the flame and regulates the temperature during operation. All control functions are housed in a weatherproof and ready-to-connect control cabinet. All components in contact with the medium are welded, blasted and passivated from 316ss steel.

**Ignition systems:** Pilot burner for propane, natural and special gases



### Technical specifications

- ✓ Volume flow: 50 - 3000 Nm<sup>3</sup>/h
- ✓ Fuel: Biogas, landfill gas, special gases
- ✓ Heat value: 35 - 95% CH<sub>4</sub>
- ✓ Gas pressure: min. 20mbar
- ✓ Connection: DN 50 - DN 300
- ✓ Ignition: High voltage 10kV
- ✓ Flame control: UV-Cell
- ✓ Temperature control via PLC

### Main features

- ✓ covert burning < 1000 °C
- ✓ Dwell time 0,3 sec
- ✓ Insulated combustion chamber
- ✓ Burner control according to EN746
- ✓ Suitable for continuous operation
- ✓ PLC with touch display

### Optional

- ✓ integrated gas compressor GVD
- ✓ Additional performance levels
- ✓ Stainless steel control cabinet
- ✓ stepless power regulation
- ✓ Torch length according to customer requirements
- ✓ Flare hat as weather protection

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

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