

# Low-temperature flare NTF



### Main features of the NTF

- ✓ open and homogeneous burning > 850°C
- ✓ Compliance rule "TA-Luft"
- ✓ Standardized to EN746
- ✓ Low-maintenance operation

### Optional

- ✓ Two-step main gas valve
- ✓ Wind- or view protection pipe
- ✓ Ignition burner for starting
- ✓ Flare length according to customer wish

... and much more!

**Ignition system**  
Direct ignition with high voltage electrodes or ignition flares from NTF750 on.

### NTF 50-2000

- Volume flow	50-2000Nm <sup>3</sup> /h
- Fuel	Bio-, landfill gases
- Heat value	35-95% CH <sub>4</sub>
- Gas pressure	min. 20mbar
- Connection	DN50-DN200
- Ignition	High voltage 10kV
- Flame control	UV-Cell

The series NTF is designed as a start-up and emergency flare (according to TA-Luft) with open burning.

**Area of deployments:** Thermal disposal of combustible surplus gases such as in biogas, sewage and landfill gas plants; also various special gases.

The automatic gas stocker controls fully automatically the electronic ignition and automatically monitors the flame during the operation.

**Direct ignition with high voltage electrodes or ignition flares from NTF 750 on.**

All control functions are supplied in a weather-resistant and fully wired control cabinet. All wetted components are welded of V4A steel, rayed and passivated. - For higher gas flow rate special flares or combined modules can be made to order.

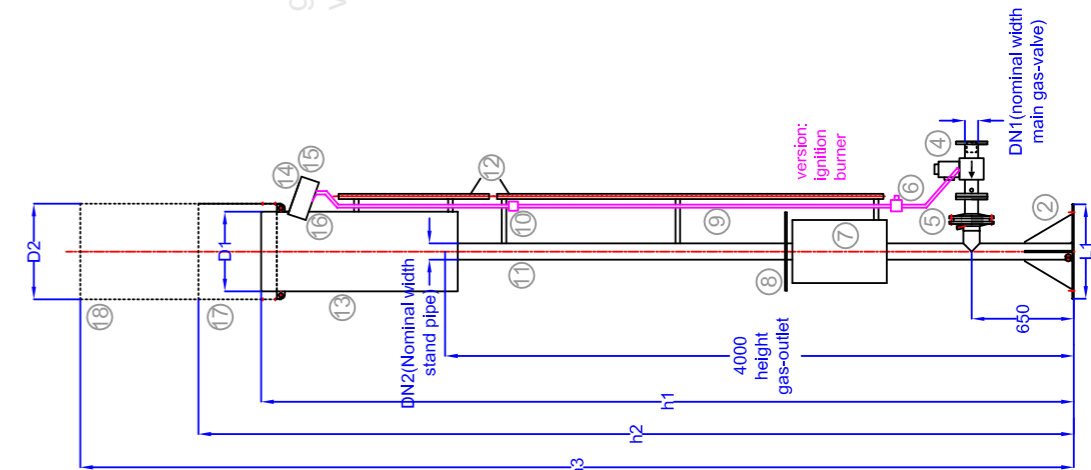
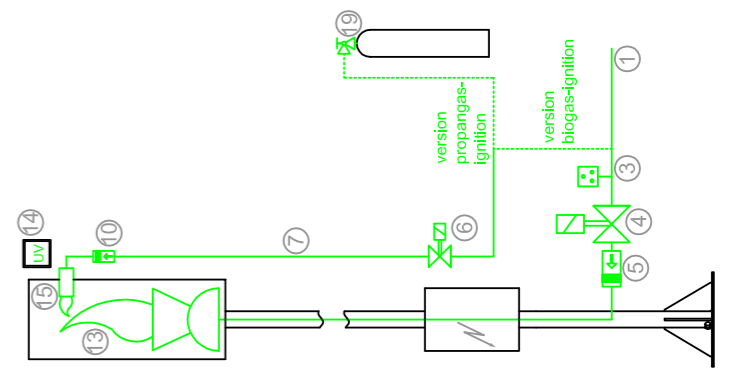
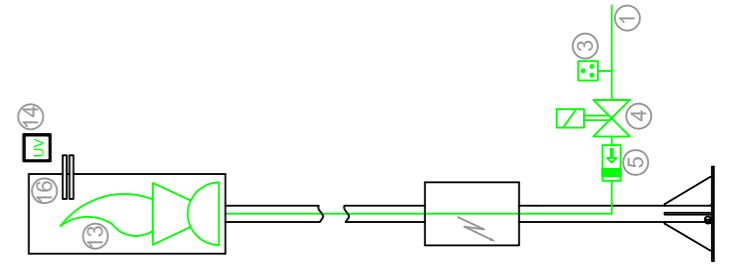
# Low-temperature gasflare (NTF) dimension-sheet & gas-schema

Pos.:	description:	DN1[mm]	DN2[mm]	DN3[mm]	h1[mm]	h2[mm]	h3[mm]	max [kW]	Vol [Bm <sup>3</sup> /h]	min[mbar]	L1[mm]	L2[mm]	D1[mm]	D2[mm]	
19	propane gas - ignition burner	200	200	200	5310	5710	6460	11000	800-2000	2000/200/200	45	800	200	950	1056
18	option: sight-protection tube	200	200	200	5310	5710	6460	9000	700-1500	1500/200/200	40	800	200	900	1006
17	option: windbreak tube	150	150	150	5310	5710	6710	6000	500-1000	1000/150/150	35	800	150	800	906
16	electrodes - direct firing	150	150	150	5110	5510	6260	4500	350-750	750/150/150	30	800	150	700	806
15	ignition burner, heat durable	125	125	125	5110	5510	6260	4500	350-750	750/125/125	30	800	125	700	806
14	flame-observation UV-cell	100	100	100	5120	5520	6270	3000	250-500	500/125/125	25	600	100	600	706
13	burnerhead	80	80	80	5120	5520	6270	3000	250-500	500/100/80	25	600	100	600	706
12	e-pipe	100	100	100	5120	5520	6020	2400	200-400	400/100/100	25	600	100	500	606
11	stand pipe	80	80	80	5120	5520	6020	2400	200-400	400/100/80	25	600	100	500	606
10	flame arrester ignition-gas line	100	100	100	4870	5270	5770	1800	150-300	300/100/80	25	600	100	400	506
9	ignition-gas line	80	80	80	4870	5270	5770	1800	150-300	300/80/80	25	600	80	400	506
8	weather shield	80	80	80	4870	5270	5770	1800	150-300	300/80/80	25	600	80	400	506
7	control cabinet	80	80	80	304	5000	6000	900	80-150	150/80/80	20	304	80	300	406
6	ignition-gas valve	65	65	65	4900	5400	5900	300	50-100	100/80/65	20	600	65	250	306
5	flame arrester main-gas-line	2"	2"	2"	4650	5150	5650	20-50	20-50	50/65/2"	20	600	50	200	306

- (x1) ..... position
- ..... center line
- ..... legend, dimensioning
- ..... gas flow
- ..... construction-line
- ..... ignition gas line

gas-schema NTF direct firing

gas-schema NTF version: ignition burner



Pos.:	description:	DN1[mm]	DN2[mm]	DN3[mm]	h1[mm]	h2[mm]	h3[mm]	max [kW]	Vol [Bm <sup>3</sup> /h]	min[mbar]	L1[mm]	L2[mm]	D1[mm]	D2[mm]	
19	propane gas - ignition burner	200	200	200	5310	5710	6460	11000	800-2000	2000/200/200	45	800	200	950	1056
18	option: sight-protection tube	200	200	200	5310	5710	6460	9000	700-1500	1500/200/200	40	800	200	900	1006
17	option: windbreak tube	150	150	150	5310	5710	6710	6000	500-1000	1000/150/150	35	800	150	800	906
16	electrodes - direct firing	150	150	150	5110	5510	6260	4500	350-750	750/150/150	30	800	150	700	806
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**GASTECHNIK HIMMEL**

MAKSTAB (Werkstoff Halbzweig) (Reinheits-Nr) (Material-Nr) (Gewicht) 1.4821 1.4871 1.4828

NTF dimension sheet & gas schema

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Blatt

Zust Änderung Datum Name (Usp) (Ers. I.) (Ers. d.)

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