

Automatic gas flare BGF-M NOXmatic



The NOXmatic comprises the most up-to-date quality gas flare technology ensuring the safe and efficient and environmental friendly combustion of gasses from landfill, bio and sewage gas systems.

Depending on the application parameters and the required combustion characteristics, the flares are supplied as either low or medium temperature units, and then supplied with the required additional burner technology. For special requirements i.e landfill gas applications, the customer can implement our innovative and low emission NOXtor burner.

The NOXmatic flare is equipped with its own programmable controller, resulting in all ignitions, monitoring and safety functions are carried out independently by the flare. The complete control/monitoring system is housed in its own cabinet.

We deliver these systems worldwide with capacities ranging from 100 kW to 20 MW.

Standard

- Low acoustics and emissions according to TA-Luft 5.4.8.1a2
- Partially contained or contained combustion
- Fully automatic control, flame monitoring and ignition
- Certified armatures
- Incl-ATEX-deflagration security
- Operating range 1:5
- Manufactured entirely from stainless steel

Optional

- Equipment for CDM applications
- Winter packet (frost protection for armatures)
- Multi level burner = wider operating range
- Flame temperature monitoring
- Pressure control
- Large combustion chamber and flare protective cap
- Own gas blower and accessories



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Technical data

[pressure 10-60 mbar]

Model	Flowrate	Thermal power*	Pipe.	Diameter	Height	Weight
BGF-M-50	16-80 Nm ³ /h	130-520 kW	DN50	400 mm	4,2 m	ca 150 kg
BGF-M-100	30-150 Nm ³ /h	520-975 kW	DN65	480 mm	4,4 m	Ca 180 kg
BGF-M-200	50-250 Nm ³ /h	975-1625 kW	DN80	640 mm	4,6 m	ca 220 kg
BGF-M-300	70-350 Nm ³ /h	1625-2275 kW	DN100	700 mm	5,2 m	ca 280 kg
BGF-M-450	95-480 Nm ³ /h	2275-3120 kW	DN125	800 mm	5,6 m	ca 320 kg
BGF-M-600	120-600 Nm ³ /h	3120-3900 kW	DN150	955 mm	5,6 m	ca 390 kg
BGF-M-750	150-750 Nm ³ /h	3900-4875 kW	DN200	955 mm	7,2 m	ca 650 kg
BGF-M-1000	220-1100 Nm ³ /h	4875-7150 kW	DN250	1 273 mm	10,6 m	ca 950 kg
BGF-M-1500**	300-1500 Nm ³ /h	4875-9750 kW	DN250	1 430 mm	7,0 m	ca 1 400 kg
BGF-M-2000**	400-2000 Nm ³ /h	6500-13000 kW	DN250	1 590 mm	8,0 m	ca 1 800 kg
BGF-M-3000**	600-3000 Nm ³ /h	9750-19500 kW	DN300	1 910 mm	9,0 m	ca 3 000 kg

* Based on CH₄ concentration of 65 %

** Operating range from 1:10 possible

Technical data

[pressure 60-120 mbar]

Model	Flowrate	Thermal power*	Pipe.	Diameter	Height	Weight
BGF-M-P50	16-80 Nm ³ /h	130-520 kW	DN40	400 mm	4,2 m	ca 150 kg
BGF-M-P100	30-150 Nm ³ /h	520-975 kW	DN50	480 mm	4,4 m	Ca 180 kg
BGF-M-P200	50-250 Nm ³ /h	975-1625 kW	DN65	640 mm	4,6 m	ca 220 kg
BGF-M-P300	70-350 Nm ³ /h	1625-2275 kW	DN80	700 mm	5,2 m	ca 280 kg
BGF-M-P450	95-480 Nm ³ /h	2275-3120 kW	DN100	800 mm	5,7 m	ca 320 kg
BGF-M-P600	120-600 Nm ³ /h	3120-3900 kW	DN100	955 mm	5,7 m	ca 390 kg
BGF-M-P750	150-750 Nm ³ /h	3900-4875 kW	DN125	955 mm	7,2 m	ca 650 kg
BGF-M-P1000	220-1100 Nm ³ /h	4875-7150 kW	DN150	1 273 mm	10,7 m	ca 950 kg
BGF-M-P1500**	750-1500 Nm ³ /h	4875-9750 kW	DN200	1 430 mm	7,0 m	ca 1 300 kg
BGF-M-P2000**	400-2000 Nm ³ /h	6500-13000 kW	DN200	1 590 mm	8,0 m	ca 1 700 kg
BGF-M-P3000**	600-3000 Nm ³ /h	9750-19500 kW	DN250	1 910 mm	9,0 m	ca 2 900 kg

* Based on CH₄ concentration of 65 %

** Operating range from 1:10 possible