

Automatic gas flare NOXmatic / NOXmatic NANO

The NOXmatic comprises the most up-to-date quality gas flare technology ensuring the safe, efficient and environmentally friendly combustion of gases 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 supplied with the required additional burner technology. For special requirements i.e., landfill gas application, 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.



Highlights

- Exceptional price/performance ratio
- Low acoustic 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 : 3
- Manufactured entirely from stainless steel
- Made in Austria

Options

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

Automatic gas flare NOXmatic technical data

Model from 10 – 60 mbar	Flowrate in Nm ³ /h	Thermal power in kW	Gas pipe in DN	Flame pipe Ø in mm	Flare height in mm	Weight in kg
NOXmatic 50	20 – 80	130 – 520	50	400	4,158	ca. 150
NOXmatic 100	80 – 150	520 – 975	65	480	4,418	ca. 180
NOXmatic 200	150 – 250	975 – 1,625	80	640	4,618	ca. 220
NOXmatic 300	250 – 350	1,625 – 2,275	100	700	5,158	ca. 280
NOXmatic 450	350 – 480	2,275 – 3,120	125	800	5,658	ca. 320
NOXmatic 600	480 – 600	3,120 – 3,900	150	955	5,658	ca. 390
NOXmatic 750	600 – 750	3,900 – 4,875	200	955	7,158	ca. 650
NOXmatic 1000	750 – 1,100	4,875 – 7,150	250	1.273	10,658	ca. 950
NOXmatic 1500	750 – 1,500*	4,875 – 9,750	250	1.430	7,000	ca. 1,400
NOXmatic 2000	1,000 – 2,000*	6,500 – 13,000	250	1.590	8,000	ca. 1,800
NOXmatic 3000	1,500 – 3,000*	9,750 – 19,500	300	1.910	9,000	ca. 3,000

* Operating range from 1:10 possible

Automatic gas flare NOXmatic technical data

Model from 60 – 120 mbar	Flowrate in Nm ³ /h	Thermal power in kW	Gas pipe in DN	Flame pipe Ø in mm	Flare height in mm	Weight in kg
NOXmatic 50	20 – 80	130 – 520	40	400	4,158	ca. 150
NOXmatic 100	80 – 150	520 – 975	50	480	4,418	ca. 180
NOXmatic 200	150 – 250	975 – 1,625	65	640	4,618	ca. 220
NOXmatic 300	250 – 350	1,625 – 2,275	80	700	5,158	ca. 280
NOXmatic 450	350 – 480	2,275 – 3,120	100	800	5,658	ca. 320
NOXmatic 600	480 – 600	3,120 – 3,900	100	955	5,658	ca. 390
NOXmatic 750	600 – 750	3,900 – 4,875	125	955	7,158	ca. 650
NOXmatic 1000	750 – 1,100	4,875 – 7,150	150	1.273	10,658	ca. 950
NOXmatic 1500	750 – 1,500*	4,875 – 9,750	200	1.430	7,000	ca. 1,300
NOXmatic 2000	1,000 – 2,000*	6,500 – 13,000	200	1.590	8,000	ca. 1,700
NOXmatic 3000	1,500 – 3,000*	9,750 – 19,500	250	1.910	9,000	ca. 2,900

* Operating range from 1:10 possible

Automatic gas flare NOXmatic NANO technical data

Model von 40 – 80 mbar	Flowrate in Nm ³ /h	Thermal power in kW	Gas pipe in DN	Flame pipe Ø in mm	Flare height in mm	Weight in kg
NOXmatic NANO 15	5 – 15	33 – 100	25	168.3	2,000	45
NOXmatic NANO 40	10 – 40	65 – 206	25	273	2,000	50