

Order specification for ATEX 95 – Fans

In order to be able to manufacture your product according to your requirements, we kindly ask you to send us this written confirmation including the ATEX-specification. Please register the Nicotra Gebhardt models and corresponding quantities ordered by you and send us back this form together with your order. We kindly ask for your understanding that we are not allowed to serve your order without this form.

Our quotation nr.: Dated:

Your order: Dated:

Pos.	Qant.	Nicotra Gebhardt Fan model	ATEX-standard-version without Frequency inverter	Modified version without Frequency inverter	Fan oper. with Frequency inv.
			<input type="checkbox"/> II 3G c IIB T3 (interior/exterior)	<input type="checkbox"/> _____	<input type="checkbox"/>
			<input type="checkbox"/> II 3G c IIB T3 (interior/exterior)	<input type="checkbox"/> _____	<input type="checkbox"/>
			<input type="checkbox"/> II 3G c IIB T3 (interior/exterior)	<input type="checkbox"/> _____	<input type="checkbox"/>
			<input type="checkbox"/> II 3G c IIB T3 (interior/exterior)	<input type="checkbox"/> _____	<input type="checkbox"/>
			<input type="checkbox"/> II 3G c IIB T3 (interior/exterior)	<input type="checkbox"/> _____	<input type="checkbox"/>
			<input type="checkbox"/> II 3G c IIB T3 (interior/exterior)	<input type="checkbox"/> _____	<input type="checkbox"/>

(please mark with)

Buyer (Company stamp + signature)

Editor (Name)

Addition for Process Air Fans (models P2M, P4) and delivery medium D (dust)

Interior requirement: category none
 (delivery medium) 3
 2

delivery medium: G (Gas)
 D (Dust)
 G/D (Gas/Dust)

Anforderung außen: category none
 (exterior medium) 3
 2

exterior medium: G (Gas)
 D (Dust)

For exterior requirements medium G

Is motor controlled by a frequency inverter? yes
 (fan will automatically be equipped with motor EEx de T4 "flame proof enclosure")

no
 EEx e T3
 ATEX EEx nA T3 ("non sparking")
 EEx de T4 ("flame proof enclosure")

For exterior requirements medium D

Is motor controlled by a frequency inverter? yes

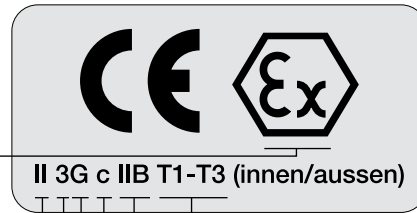
no

Orientation of shaft Horizontal – standing assembly Vertical – lying assembly

The classification of the categories is according to legal requirements and detimined by authorized test authorities only!

Information about ATEX 95

The execution and assembly conditions of any equipment being used in highly explosive environment is legally regulated by the guideline 94/9/EG ("ATEX 95") in all countries of the EU. According to this guideline the marking on the product label will be done for example as follows:



Marking	Application	Fan category	Medium	Protection method	Explosion group	Temperature class
Marking of explosion-proof equipments	Partitioned in: <ul style="list-style-type: none"> Group I: mining industry Group II: all other applications 	For Group II specified as follows: Requisite safety level assured by means of protection <ul style="list-style-type: none"> 1: even in the event of rare incidents relating to equipment 2: even in the event of frequently occurring disturbances or equipment faults 3: during normal operation 	For Group II specified as follows: <ul style="list-style-type: none"> G: gas and steam D: Dust-Air-Mixtures GD: gas and dust 	Specifies the constructional safety with requirements for material combinations, gaps, belts, bearings, etc.	Gas application group <ul style="list-style-type: none"> Explosion group IIA Explosion group IIB Explosion group IIC 	Maximum surface temperature <ul style="list-style-type: none"> T1: max. 450°C T2: max. 300°C T3: max. 200°C T4: max. 135°C T5: max. 100°C T6: max. 85°C T 125°C

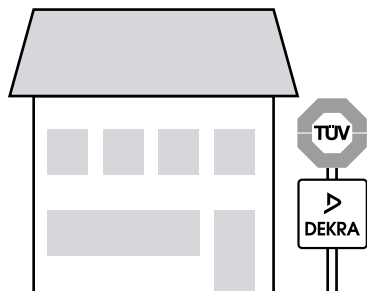
Nicotra Gebhardt fans in ATEX-execution are specified according to the following standards

- Fan group: General Group II
- Category: generally category 3; starting in 2004 some models will be offered in category 2
- Delivered medium: generally we offer fans prepared for G environments; the models P2M and P4 are also offered in D
- Ignition protection: generally protection c, constructional safety
- Gas explosion group: generally IIB
- Temperature class: generally temperature class T3; on request for some fan types T4 can be offered
- Concerning Category 2 and flammable material D please see annex
- According the EN 13463 we are offering to manufacture fans being used for medium temperature up to 60°C

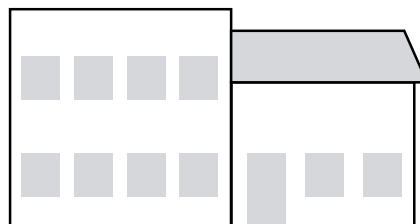
If you want to operate your fan with a frequency inverter combined with the medium Gas (G), the motor has to be protected by flameproof enclosure "d". The Nicotra Gebhardt models RLM and RZM in ATEX-configuration are equipped with this type of motors. Increased safety "e" or non sparking "n" as protection method for the motor are for category 3 also acceptable if no frequency inverter is used.

Specification of the explosion-proof application class

Testifying authority →
 Defines the category of explosion hazard



Our customer →
 Orders fans according the requirements of the testifying authority



Nicotra Gebhardt GmbH
 Delivers fans according the specification of the customer

