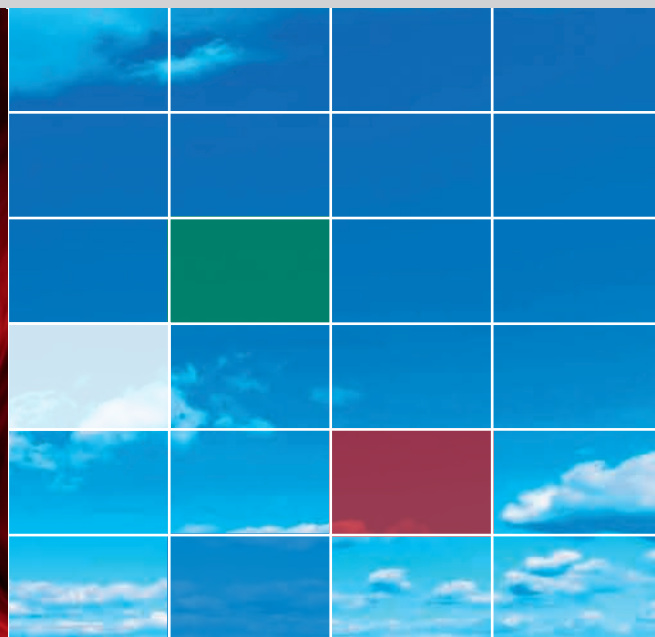




# Industrial Vacuums ATEX IECEX certified



# ATEX certified industrial vacuums for the safety of your Company



3307MAG



3308



3508



3558



3707/10-3907/18



3997

## What are ATEX and IECEx?

The term **ATEX** (**AT**mosphère **EX**plosible) identifies the European Directive that went into force on 1st July 2003 and which establishes that all equipment installed inside the companies of all European Union states and located on premises with a potential explosion risk must conform to the specifications of the Directive in terms of safety (Ref. 94/9/EC and 99/92/EC).

The acronym **IECEx** refers to a certification that has the same characteristics as **ATEX** but applicable in Australia and New Zealand.

## Industrial vacuums for areas at risk: knowing the zones and the risk categories

All areas at risk where industrial vacuums have to be used are divided into zones and risk categories are assigned to them; in other words, each company area is classified according to whether or not it contains flammable material. The customer tells the supplier of the industrial vacuum the zone where the industrial vacuum has to work and the category.

The following table gives the technical specifications of the industrial vacuums, clearly indicating the wide operating range offered by the **Nilfisk-CFM** range thanks to which it is possible today to work in maximum safety and in the most diversified working situations.



T37



Certifications

## The most popular applications



Wood industry



Painting sector



Naval dockyards



Farm produce sector



Explosive environments



Chemical sector



Petrol and fuels



Food sector



Pharmaceutical sector



Electronic sector



Cosmetic sector



Laser technology

### Potential causes of explosion

Hot surfaces (ex. overheating)
Sparks of mechanical source
Flames or hot gases (exhaust fumes)
Adiabatic compressions and pressure waves
Exothermic reactions (spontaneous combustion of dust)
Electrical material
Drifting and cathod protection electricity
Electrostatic charge
Lighting
Electromagnetic waves and radio-frequencies
Acoustic waves (ex.ultrasounds)
Optical radiations (ex. laser)
Ionizing radiations (ex. R-x)

### Classification of areas with explosion risk

	Zone	Risk	Category
Gas	0	permanent	1G
	1	chance	2G
	2	rare	3G
Polvere	20	permanent	1D
	21	chance	2D
	22	rare	3D



A15



A17



3156-3306



15 ATEX

Model	kW	Phases	Zone	Category
3156 Z21	2,2	3	21	II 2D
3156 Z22	1,6	3	22	II 3D
3156 Z2	2,2	3	2	II 3G
3306 Z21	4	3	21	II 2D
3306 Z22	2,2	3	22	II 3D
3306 Z2	4	3	2	II 3G
T37 Z22	2,2	3	22	II 3D
3308 Z21	4	3	21	II 2D
3308 Z22	2,2	3	22	II 3D
3308 Z2	4	3	2	II 3G
3508 Z21	7,5	3	21	II 2D
3508 Z22	4	3	22	II 3D
3508 Z2	7,5	3	2	II 3G
3508W Z21	7,5	3	21	II 2D
3508W Z22	4	3	22	II 3D
3508W Z2	7,5	3	2	II 3G
3558 Z21	7,5	3	21	II 2D
3558 Z22	4	3	22	II 3D
3558 Z2	7,5	3	2	II 3G
3707/10 Z22	7,5	3	22	II 3D
3907 Z21	15	3	21	II 2D
3907 Z22	11	3	22	II 3D
3907 Z2	15	3	2	II 3G
3907W Z21	15	3	21	II 2D
3907W Z22	11	3	22	II 3D
3907W Z2	15	3	2	II 3G
3907/18 Z21	18,5	3	21	II 2D
3907/18 Z22	12,5	3	22	II 3D
3907/18 Z2	18,5	3	2	II 3G
3997 Z21	18,5	3	21	II 2D
3997 Z22	20	3	22	II 3D
3997 Z2	18,5	3	2	II 3G
3997W Z21	18,5	3	21	II 2D
3997W Z22	20	3	22	II 3D
3997W Z2	18,5	3	2	II 3G
3156 MAG1	1,6	3	21 - 22	II 2D
3306 MAG1	2,2	3	21 - 22	II 2D
3307 MAG1	2,2	3	21 - 22	II 2D
3557 MAG2	4	3	21 - 22	II 2D
3557 MAG3	5,5	3	21 - 22	II 2D
3156 MAG1 DEX	1,6	3		
3306 MAG1 DEX	2,2	3	21 - 22	II 2D
3307 MAG1 DEX	2,2	3	1 - 2	II 2D - II 2G
3557 MAG2 DEX	4	3		
15ATEX	1,1	1	22	II 3D
A17/60DXX	-	Compressed Air		
A17/100DXX	-	Compressed Air	21 - 22	II 2D
A15 DXX	-	Compressed Air	1 - 2	II 2D - II 2G



Recovery of flour from a divider



Bullets safety collection



## Fields of application



Bakery



Chemicals - Pharmaceutical



Cereals



Wood industry



Farm produce



Naval ship docks



Laser



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- please call me by phone
- i need a visit of a vacuums specialist
- please send me free documentation

**ATEX IECEX certified**

Company: \_\_\_\_\_ Mrs./Mr.: \_\_\_\_\_

Function: \_\_\_\_\_ Address: \_\_\_\_\_

ZIP: \_\_\_\_\_ City: \_\_\_\_\_ Prov./State: \_\_\_\_\_

Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_ Mobile: \_\_\_\_\_

E-mail: \_\_\_\_\_