

# ATEX safety is standard

From 2006, the entire electric vibrators series MVSI, MVSI-TS, M3/65, MTF, MVB, MVB-FLC and VB are ATEX standard according to new international norms IEC 61241-0 and 61241-1. This means that every standard motor is certified for safe operation in environments with potentially explosive dust atmospheres (ATEX II 2 D Certification).

Product's features						Areas of use					
Type	Category	Type of protection	Classe de temperature		CE type examination certificate	G-GAS			D-DUST		
			Gas	Dust		0	1	2	20	21	22
<b>MVSI-E</b> <b>M3/65-E**</b> <b>MTF-E</b> <b>VB-E</b> <b>MVB-E</b> <b>MVB-E-FLC</b>	II 2 G II 2 D	Ex e II IP66	T3 (200° C) T4 (135° C)	from 120° to 200° C*	<b>LCIE 06</b> <b>ATEX</b>						
<b>MVSI</b>	II 2 D	IP66	-	from 120° to 200° C*	<b>LCIE 05</b> <b>ATEX 6163 X</b>						
<b>MVSI-TS</b>	II 2 D	IP66	-	from 120° to 170° C*	<b>LCIE 05</b> <b>ATEX 6163 X</b>						
<b>MTF</b>	II 2 D	IP66	-	120° C	<b>LCIE 05</b> <b>ATEX 6163 X</b>						
<b>VB</b> <b>MVB***</b> <b>MVB-FLC***</b>	II 2 D	IP66	-	150° C	<b>LCIE 05</b> <b>ATEX 6163 X</b>						
<b>MVSS-P</b>	II 2 D	IP66	-	120° C	<b>LCIE 03</b> <b>ATEX 6005 X</b>						
<b>CDX</b>	II 2 G II 2 D	Ex d IIB IP66	T4 (135° C)	120° C	<b>DEMKO 01</b> <b>ATEX 0135585</b>						
<b>CDX gr.110</b>	II 2 G	Ex d IIB	T4 (135° C)		<b>SIRA 00</b> <b>ATEX 1026</b>						

\*\* Only T4  
\*\*\* Only model gr. 50

\* According to model (See the specific tables in the catalog).

Compatible  
 Incompatible

## How to choose the right Italtvibras electric vibrator

To establish which type of electric vibrator is best for the specific use required, the environment in which the electric vibrator is to work must be classified by defining the area, the maximum temperature and, if necessary, the required type of protection. The EN specifications (e.g. EN 60079-10) can be used to conduct these analyses. Once the area has been classified, the tables alongside will allow you to identify the most suitable Italtvibras electric vibrator. The technical staff at Italtvibras is always at the customers' complete disposal for any further explanations that may be required.

The choice of the electric vibrator on the basis of area	
Type of area	Products suitable for the area
<b>1, 2, 21, 22</b>	<b>MVSI-E, M3/65-E, MTF-E, VB-E, MVB-E, MVB-E-FLC</b>
<b>21, 22</b>	<b>MVSI, MVSI-TS, M3/65, MTF, VB, MVB, MVB-FLC, MVSS-P</b>
<b>1, 2, 21, 22 - Ex d</b>	<b>CDX</b>
<b>1, 2 - Ex d</b>	<b>CDX gr.110</b>

# CERTIFICATIONS



Standard U.L. 674, C.S.A. C22.2 N.145  
- File n° E129825 Class I, Groups C and D; Class II, Groups E, Groups F and G – Explosion-proof vibrators for use in explosive atmospheres (North America).



Standard C22.2 n°100-95, file n° LR100948-4 part A – Class 4228 01; Class I, Division 2, Groups A, B, C and D – Explosion-proof vibrators for use in explosive atmospheres (North America).



Standard C22.2 n°100-95, file n° LR100948 part B. Class 4211 01 – Motors and generators (North America).



Standard C22.2, U.L. 674 - File n° LR100948-1, class 4228 01; Class I, Groups C and D; Class II, Groups E, F and G. Class III. Temperature class: T4. Explosion-proof vibrators for use in explosive atmospheres (North America and Canada).



CER-97/033411 and CER-96/038019  
Mechanical protection IP66 IK08 in compliance with standards IEC 529, CEI EN 60529.



II 2 G, D – Class Ex e II T4 and T3 (G) – tD A21 IP 66. CENELEC IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 61241-0, IEC/EN 61241-1. European Directive 94/9/EC- Increased safety vibrators for potentially explosive gas atmosphere and combustible dust atmosphere.



II 2 D – CENELEC IEC/EN 61241-0, IEC/EN 61241-1 Certificate n° LCIE 05 ATEX 6163 X – European Directive 94/9/EC - Vibrators for potentially explosive dust atmosphere.



II 2 G, D – Class EEx d IIB 120°C CENELEC EN 50014 – EN 50018 – EN 50281-1-1. Certificate n° DEMKO 01 ATEX 0135585 European Directive 94/9/EC Explosion-proof vibrators for potentially explosive gas atmosphere and combustible dust atmosphere.



II 2 G – Class EEx d IIB T4 CENELEC EN 50014 – EN 50018. Certificate n° SIRA 00ATEX 1026 Explosion-proof vibrators for potentially explosive gas atmosphere.



Gost-R certificate for all models of vibrators following standard: GOST 16264.1, GOST 16264.0, GOST R 51689.



GGTN Permit and Gost-R certificate for explosion-proof EE x d models following standards: GOST R 51330.0-99, GOST R 51330.1-99, GOST R IEC 61241-1-1-99.



GGTN Permit and Gost-R certificate for increased safety Ex e models following standards: GOST R 51330.0-99, GOST R 51330.8-99, GOST R IEC 61241-1-1-99.



Certification: CMRI and DGMS for Indian.  
Category: Ex d IIB 120°C, IP 66  
Regulations: IS2148-2004, IS 13346-2004, IS4691-1985.  
Areas of use: 1, 2



All Italvibras electric vibrators comply with the applicable European Union Directives (73/23/EEC, 89/336/EEC, 93/68/EEC) and thus bear CE marking.

## ATEX CESI

Production quality assurance notification. Directive 94/9/CE n° CESI 00 ATEX 061 Q.

