

VB-E



The double-conical flange VB-E vibrators have been designed for use in industrial processes in environments with a potentially explosive atmosphere, caused by gas and dusts, in compliance with ATEX Directive (94/9/EC).

They are supplied without eccentric weights, which must be realised and mounted by the Manufacturer of the vibrating machine. In particular, these vibrators can be used in areas 1 and 2 (gas) and in areas 21 and 22 (dusts) according to the layout and following features:

Category: II 2 GD

Level of protection: Ex e IIC T3/T4 Gb,
Ex tb IIIC T...°C Db

Temperature class: See table

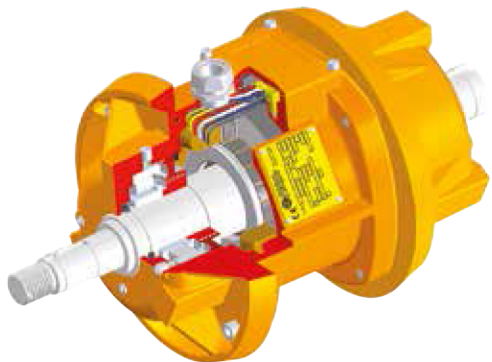
EC certificate: LCIE 06 ATEX 6092 X

Zones of use: 1, 2, 21, 22

4 poles - 1500/1800 rpm

	Description			Mechanical specifications						Electrical specifications						
	Code	Type	Poles	rpm		Centrifugal force				Weight kg	Temp. class (G)	Temp. class (D)	Max input power W		Power rating W	
				50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz				50 Hz	60 Hz	50 Hz	60 Hz
three-phase	6E1223	VB 15/2510-D-E	4	1500	1800	2500	2500	24.5	24.5	68	T3 T4	150°C	1700 1220	1800 1350	1390 1030	1480 1100
	6E1378	VB 15/5000E-LM	4	1500	1800	5000	5000	49.0	49.0	101	T3	135°C	3200 3700	2560 2800		





Certifications



II 2 GD - Class Ex e IIC T3/T4 Gb,
Ex tb IIC T...°C Db
IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 60079-31
Certificate n° LCIE 06 ATEX 6092 X



Comply with the applicable
European Union directives: ATEX (94/9/EC),
Low Voltage (2006/95/EC).



GGTN Permit and Gost-R certificate:
Ex e II T3/T4 - DIP A21 IP66
standards GOST R 51330.0-99,
GOST R 51330.8-99, GOST R IEC 61241-1-1-99.



KOSHA Korea
Certificate n° 11-AV4 BO-0346/7/8/9/50/51
Ex e II T3/T4 - Ex td A21 IP66



Certificate of Conformity
n° IECEx LCI 10.0003X
following standards IEC 61241-0, IEC 61241-1,
IEC 60079-0, IEC 60079-7

Dimensional specifications (mm)

Max. current A		t _E (s)	I _a /I _m	Type	Fig.	A	øB	C	D	E	F°	G	H	I	L	Cable entry thread
400 V 50 Hz	460 V 60 Hz															
2.85	2.80	7	6.70	VB 15/2510-D-E	H	517.5	281	158.5	30	26	14	85.3	136.6	35	108	M32x1.5
2.38	2.30	6	7.76													
5.70	5.45	6	7.00	VB 15/5000E-LM	H	555	342	208	48	48	25	106.5	110	60.5	70	M32x1,5

t_E (s) = set time t_E from IEC/EN 60079-7. I_a/I_m = ratio between start-up current and maximum current.