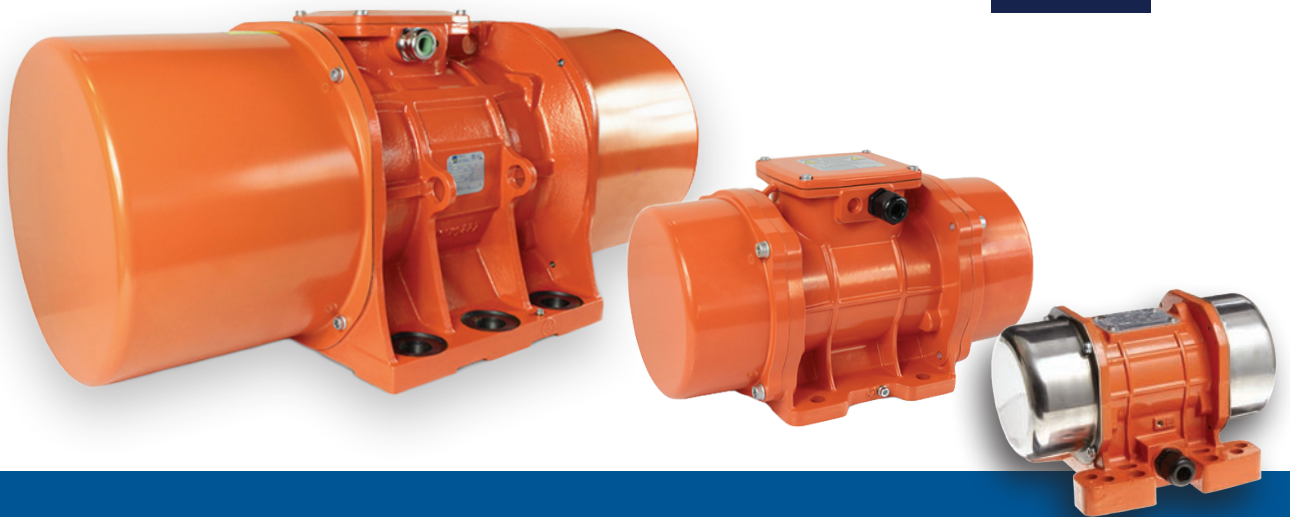




OLI INDUSTRIAL VIBRATORS PRODUCT + PRICE BOOK

Version 1



OLI are a global leader in the supply of quality electric vibrators for industrial applications. They are one of the most preferred vibrator supply companies in the Australian and New Zealand market. OLI vibrators are engineered and built to the highest European standards, with a competitive price to performance ratio and an excellent reliability factor.



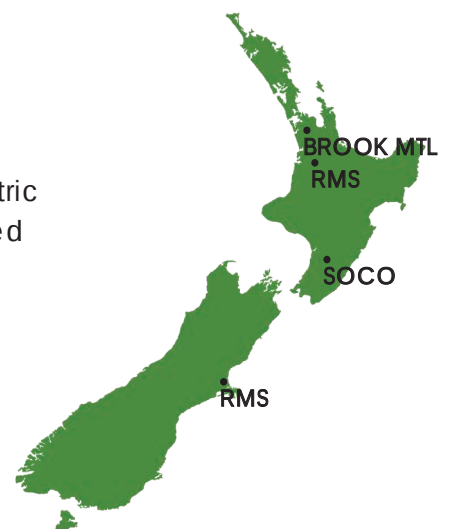
Built to last in the harshest of environments, the extensive range of electric vibrators are manufactured from the highest quality materials and are available from 4kg force up to 26,000kg of force with multiple voltage options. OLI's MVE vibrator range include micro, DC, stainless steel in 2, 4, 6 and 8 pole options. This range can be used as flow aids, on hoppers or silos to improve material discharge, or as drives on vibrating machines for several purposes such as conveying, screening, sizing or compacting in a variety of industries.

OLI's bolt hole patterns are interchangeable with other vibrator manufacturers. This makes a conversion to OLI vibrators very easy.



EMG (Electric Motor Group) is an importer and distributor for leading global brands like OLI, Brook Crompton and Crompton Greaves electric motors plus an extensive range of industrial equipment, variable speed drives and speed reducers.

The EMG group includes Brook MTL located in Auckland, Rotating Machinery Supplies Ltd (RMS) located in Hamilton and Christchurch and SOCO Ltd located in Palmerston North.





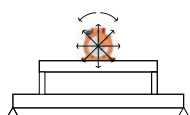
MVE Range Specifications

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MVE Certifications

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How to choose a vibrator

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MVE Vibrators - 2 Pole

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MVE Vibrators - 4 Pole

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MVE Vibrators - 6 Pole

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MVE Vibrators - Single Phase

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MVE Vibrators - Micro

Page 13



MVE Vibrators - DC

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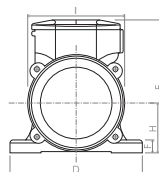
MVE Vibrators - Stainless Steel

Page 15



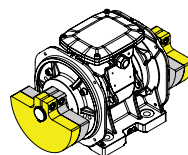
Vibrator Mounting Options

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MVE Exploded Drawing + Figure References

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How to Adjust Vibrator Intensity

Page 21

OTHER VIBRATORS ALSO AVAILABLE



- OLI OR50 Roller Vibrator
- OLI OT10S Pneumatic Vibrator
- Plus other speciality options

VIBRATOR MVE RANGE SPECIFICATIONS

PAGE 2

FULL RANGE SPECIFICATIONS						
Specification	MVE Standard	MVE Exe Increased Safety	MVE - Exd Explosion Proof	MVE Milling Grain Processing	MVE-SV Screen Vibrator	MVE-SS Stainless Steel
Power supply	Three phase from 24V to 690V. 50Hz or 60Hz; Single phase 110V 60Hz and 220V 50Hz. Three phase motors are designed for in-verter application.	Three phase from 230V to 500V. 50Hz or 60Hz. All motors are designed for inverter application from 20Hz to base frequency.	Three-phase from 230V to 690V. 50Hz or 60Hz. All motors are designed for inverter application from 20Hz to base frequency.		Three phase from 220V to 575V. 50Hz or 60Hz. All motors are designed for inverter application from 20Hz to base frequency.	
Time rating	Continuous duty (S1).					
Protection structure	Mechanical protection IP66 according to IEC 60529.					
Bearings	Ball bearings from size MICRO to 50. Roller bearings from size 60 to 110.	Ball bearings from size 10 to 50. Roller bearings from size 60 to 90.	Roller bearings.			Ball bearings from size 10 to 50*. Roller bearing for size 60.
Coating colour	Polyester powder coating. Standard colour RAL 2009. Special corrosion resistant painting available on request on MVE Standard range only.					AISI 316 frame not painted.
Footprint	Compatibility with the main competitor's footprint on request.					/
Installation and operating environment	For indoor and outdoor use.					
	Ambient temperature: -20 °C to +40 °C. Up to +55 °C available on request.	Ambient temperature: -20 °C to +40 °C.	Ambient temperature: -20 °C to +40 °C.	Ambient temperature: -20 °C to +40 °C.	Ambient temperature: -20 °C to +40 °C.	Ambient temperature: -20 °C to +40 °C.
Standards supported	Conformity with European Directive. Low voltage 2014/35/UE. Machine directive 2006/42/EC. ATEX 2014/34/UE.					
Mass covers	Aluminium for vibrators from size 10 to size 50 and size 100, 105, 110. Mild steel for size 60 to size 91. Stainless steel AISI 304 for direct current motovibrators.	Aluminium for vibrators from size 10 to size 50. Mild Steel for size 60 to size 91.	AISI 304 Stainless Steel.	Mild Steel.	Aluminium.	AISI 304 Stainless Steel.
Windings	2, 4, 6 and 8 poles three phase asynchronous motor from size 10 to 110. 2 poles single phase from size 10 to 30.	2, 4, 6 and 8 poles three phase asynchronous motor.		6, 8, 10 and 12 poles three phase asynchronous motor.	4 poles.	2, 4, 6 and 8 poles three phase asynchronous motor.
	Class F insulating materials (155 °C). Vacuum impregnated windings. PTC thermistor 130 °C standard from size 60.		Thermal switch 130 °C standard from size 60.	Class F insulating materials (155 °C). Vacuum impregnated windings. PTC thermistor 130 °C standard from size 60.	Thermal switch 130 °C.	Class F insulating materials (155 °C). Vacuum impregnated windings.
Flanges	Grey cast iron up to size 80. Ductile cast iron from size 100.				Ductile cast iron.	Grey cast iron.
Frame	Aluminium up to size 50. Ductile cast iron from size 60.				Aluminium.	AISI 316.
Shaft	Steel alloy highly resistant.					
Eccentric masses	Completely adjustable.					

* Except for MVE 510/1N-50A0.

We can also offer OLI pneumatic vibrators and thumpers on request.



Electric Motors | Pumps | Drives | Bearings | Power Transmission | Workshop Services
06 354 3651 | sales@soco.co.nz | www.soco.co.nz | 471 Tremaine Avenue, Palmerston North

Price List - Prices shown may vary depending on brand, are ex-warehouse, exclude gst and may change without notice. Terms of trade are available at www.soco.co.nz/terms-and-conditions. Freight charges may apply. Not all items are held in stock; ordered on request. Images shown may differ from actual. Dimensions stated are a general guide only, please refer to product manual.

EXPLANATION OF PRODUCT TYPE

Series	Force (kg)	Nominal Speed/RPM/Pole	Nominal Speed	RPM	Pole
Example MVE 1200/3					
MVE	1200	3/3000/2	3	3000	2

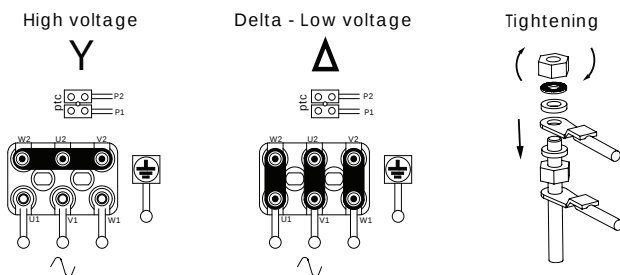
ELECTRICAL DATA

Voltage (V)	Frequency (Hz)	Country
220-240	50	New Zealand
380-415 *	50	New Zealand

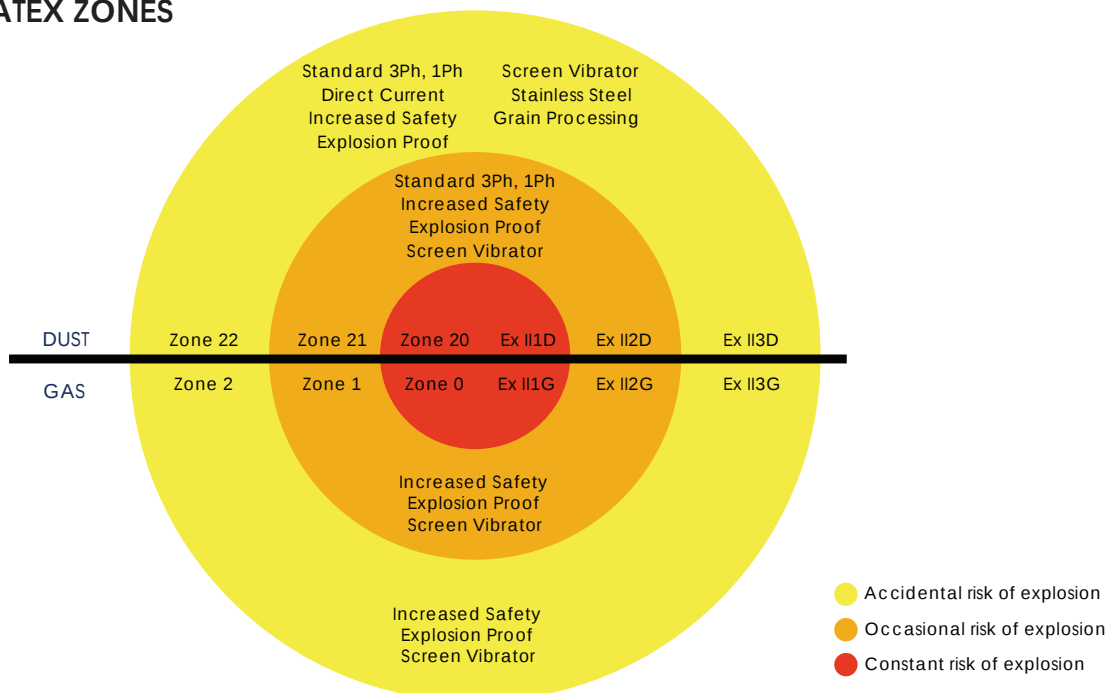
* Voltage Tolerance: +/-10%

All OLI vibrators can be operated with double voltage by simply changing the connections inside the terminal box from star to delta or vice versa. As a general rule MVE's with rated power >4.3kW have standard delta terminal box connection, with the only exception of MVE 5000/3E-75A1. Smaller MVE's have standard star terminal box connection. Always refer to the unit nameplate for confirmation of correct connection.

Thermistors are standard in frame sizes 60 and up. Smaller sizes are available on request ex factory.



ATEX ZONES



- Available up to 26,000 kg Force
- 2, 4, 6 and 8 pole models
- Single and three phase, multi voltage and frequency
- Excellent price performance ratio
- Engineered to highest world standards
- Two year warranty



CERTIFICATIONS					
Range	Category	Certifications	International Standard	Gas	Dust
MVE Standard (Size 10-91, 100, 105, 110; Micro; 1-Ph)	ATEX zone 21 Class II Div.2 Temperature range -20/+40 °C *		EN 60079-0, EN 60079-31	N/A	II2D Ex tb IIIC Tx Db IP66
			IEC 60079-0, IEC 60079-31	N/A	Ex tb IIIC Tx Db IP66
			UL 1004-1, UL 60079-0, UL 60079-31, CSA 22.2 100, CSA 22.2 60079-0, CSA 22.2 60079-31	N/A	Class II Div.2 Groups F G T4
MVE Stainless Steel	ATEX zone 22 Temperature range -20/+40 °C		EN 60079-0, EN 60079-31	N/A	II3D Ex tc IIIC T100 IP66
			UL 1446, CSA C22.2 NO 0-10	N/A	N/A

MVE Standard Conformity with European Directive - Low voltage 2014/35/UE; Machine Directive 2006/42/EC; ATEX 2014/34/UE - UL 1836. UL 1004-1 - SAC22.2 NO 25. 100. 145.

MVE Stainless Steel Conformity with European Directive - Low voltage 2014/35/UE; Machine Directive 2006/42/EC; ATEX 2014/34/UE

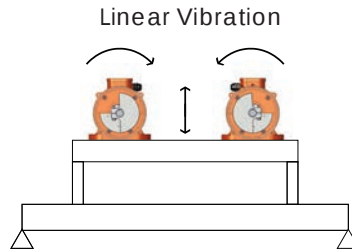
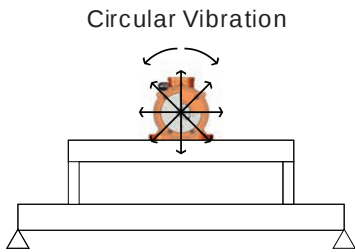
* Extended temperature range up to 55 °C available on request.

MVE DC Range: II3D Ex tc IIIC T100 IP66

Tx = T100 °C up to size 30 included; Tx= T135 °C from size 40 up.

Thermistors are standard in frame sizes 60 and up. Smaller sizes are available on request ex factory.

1. Choose RPM and the amplitude 'e' (0 - peak) suitable for your application:



APPLICATION + VIBRATION TYPE + RPM							
Application Processes	Vibration		Revolutions/min (50Hz)				
	Circular	Linear	750	1000	1500	3000	6000
Conveying		•		•	•		
Seperation/Screening/Sizing		•	•	•	•		
Positioning/Feeding		•	•	•	•		
Filter Cleaning	•					•	
Silo/Hopper Emptying	•					•	
Fluid Beds		•	•	•			
Bin Activators	•				•	•	
Compacting		•				•	•
Concrete Consolidation	•					•	•

RPM + AMPLITUDE		
RPM	e (mm)	
	Min	Max
3600	0.3	0.6
3000	0.3	0.8
1800	1.2	2.2
1500	1.4	2.6
1200	2.5	4
1000	3	5.2
900	3.5	5.5
750	3.5	6

2. Choose an MVE from the tables of the following pages and use its working momentum (Wm) into this formula:

$$e = 5 \times \frac{n \times Wm}{n \times M_{mot} + M_{vm}}$$

e (mm) = amplitude of vibration 0 - peak

n = number of vibrators

Wm = working moment (kgcm)

M_{mot} = vibrator weight (kg)

M_{vm} = vibrating machine weight (without material and vibrators)

3. Check the obtained value "e":

- If it is similar to the required one (step 1) the MVE model is correct.
- If it is not similar to the required one (step 1) repeat the process (step 2) with a different MVE model.



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II 2 D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



TWO POLE - 3000 RPM

Code	Type	Size	Mechanical Features			Electrical Features			Certificate		List Price	Italvibras Conversion Guide
			Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Standard Nominal Current (A)	Cable Gland	Class II Div .2	ExII 2D (°C)		
							50 Hz (400V)	Metric	Temp. Class	Temp. Class		
VIOLIMVE 60/3	MVE 60/3E	10A0	1.3	66	4.2	0.09	0.25	M16	T4	100	\$515	MVSI 3/100
VIOLIMVE 100/3	MVE 100/3E	10A0	2.0	98	5	0.09	0.25	M16	T4	100	\$580	MVSI 3/100
VIOLIMVE 200/3	MVE 200/3E	20A0	3.7	187	7	0.15	0.35	M20	T4	100	\$708	MVSI 3/200
VIOLIMVE 300/3	MVE 300/3E	30A0	6.4	321	10	0.25	0.52	M20	T4	100	\$927	MVSI 3/300
VIOLIMVE 400/3	MVE 400/3E	30A0	8.0	407	10.3	0.27	0.58	M20	T4	100	\$1,069	MVSI 3/300
VIOLIMVE 500/3	MVE 500/3E	40A0	10.3	530	16	0.5	0.96	M20	T4	135	\$1,249	MVSI 3/500
VIOLIMVE 700/3	MVE 700/3E	40A0	14.9	758	16.5	0.59	1.25	M20	T4	135	\$1,404	MVSI 3/700
VIOLIMVE 800/3	MVE 800/3E	50A0	15.7	794	20.3	0.7	1.45	M20	T4	135	\$1,778	MVSI 3/800
VIOLIMVE 1200/3	MVE 1200/3E	50A0	20.3	1005	21.3	0.95	1.85	M20	T4	135	\$2,087	MVSI 3/1100
VIOLIMVE 1300/3	MVE 1300/3E	50A0	26.6	1355	21.7	1.3	2.44	M20	T4	135	\$2,164	MVSI 3/1100
VIOLIMVE 1600/3	MVE 1600/3E	60A0	31.3	1601	51	1.54	2.94	M25	T4	135	\$2,705	MVSI 3/1600
VIOLIMVE 2000/3	MVE 2000/3E	60A0	36.8	2027	52	2.1	3.75	M25	T4	135	\$3,194	MVSI 3/2010
VIOLIMVE 2300/3	MVE 2300/3E	60A0	46.0	2302	53	2.4	4.44	M25	T4	135	\$3,838	MVSI 3/2310
VIOLIMVE 3200/3	MVE 3200/3E	75A1	68.1	3252	103	2.76	5.3	M32	T4	135	POA	MVSI 3/3200
VIOLIMVE 4000/3	MVE 4000/3E	75A1	79.4	4033	107	2.9	5.3	M32	T4	135	POA	MVSI 3/4000

* working moment = 2x static moment

Stocked items

LOOKING TO REPLACE AN ITALVIBRAS?

OLI vibrators will replace Italvibras easily **, simply use the Italvibras type (product) code to find the equivalent OLI vibrator. Some examples are below. Confirm foot print and power matches on every conversion

Italvibras Type	OLI Type
MVSI 3/300	MVE 300/3
MVSI 3/1600	MVE 1600/3

** Not every sizes matches exactly, some vary in power.



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II2 D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE 60/3E	A1	10A0	213	45	*	*	*	4	130	135	11	50	96	107	85
MVE 100/3E	A1	10A0	213	45	*	*	*	4	130	135	11	50	96	107	85
MVE 200/3E	B1	20A0	233	54	62-74	106	9	4	130	154	15	65	125	120	112
MVE 200/3E	G	23A0	222	55	**	**	**	4	164	140	25	82	116	159	110
MVE 300/3E	C1	30A0	254	42	***	***	***	4	150	173	15	79	150	166	134
MVE 400/3E	C1	30A0	274	52	***	***	***	4	150	173	15	79	150	166	134
MVE 500/3E	D1	40A0	330	78	105	140	13	4	170	196	20	92	169	166	158
MVE 700/3E	D1	40A0	330	78	105	140	13	4	170	196	20	92	169	166	158
MVE 800/3E	D1	50A0	321	62	120	170	17	4	208	210	22	96	185	192	170
MVE 1200/3E	D1	50A0	321	62	120	170	17	4	208	210	22	96	185	192	170
MVE 1300/3E	D1	50A0	321	62	120	170	17	4	208	210	22	96	185	192	170
MVE 1600/3E	D1	60A0	402	90	140	190	17	4	230	260	26	124	240	218	222
MVE 2000/3E	D1	60A0	402	90	140	190	17	4	230	260	26	124	240	218	222
MVE 2300/3E	D1	60A0	402	90	140	190	17	4	230	260	26	124	240	218	222
MVE 3200/3E	D1	75A1	516	117	155	255	25	4	304	314	30	147	285	277	265
MVE 4000/3E	D1	75A1	516	117	155	255	25	4	304	314	30	147	285	277	265

MULTIPLE FOOTPRINT

*			* *			* * *		
A (mm)	B (mm)	ØG (mm)	A (mm)	B (mm)	ØG (mm)	A (mm)	B (mm)	ØG (mm)
62-74	106	9	62-74	106	9	80	110	11
33	83-102	7	65	140	13	90	125	13
			115	135	11	124	110	11
			135	115	11	135	115	11

* working moment = 2x static moment

NB: Fig. on page 17 - 19



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



FOUR POLE - 1500 RPM

Code	Type	Size	Mechanical Features			Electrical Features			Certificate		List Price	Italvibras Conversion Guide
			Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Standard Nominal Current (A)	Cable Gland	Class II Div .2	ExII 2D (°C)		
							50 Hz (400V)	Metric	Temp. Class	Temp. Class		
VIOLIMVE 40/15	MVE 40/15E	10A0	2.0	25	4.6	0.05	0.31	M16	T4	100	\$644	MVSI 15/35
VIOLIMVE 90/15	MVE 90/15E	20A0	6.0	75	7.4	0.07	0.31	M20	T4	100	\$876	MVSI 15/80
VIOLIMVE 200/15	MVE 200/15E	30A0	15.4	194	11.8	0.12	0.49	M20	T4	100	\$1,107	MVSI 15/200
VIOLIMVE 400/15	MVE 400/15E	40A0	33.4	420	19.5	0.27	0.84	M20	T4	135	\$1,352	MVSI 15/400
VIOLIMVE 500/15	MVE 500/15E	40A0	40.1	504	21	0.35	1.06	M20	T4	135	\$1,559	MVSI 15/550
VIOLIMVE 300/15	MVE 300/15E	50A0	26.6	334	22	0.62	1.32	M20	T4	135	\$1,803	MVSI 15/700
VIOLIMVE 700/15	MVE 700/15E	50A0	56.8	714	27.4	0.62	1.32	M20	T4	135	\$2,087	MVSI 15/700
VIOLIMVE 1100/15	MVE 1100/15E	51A0	88.7	1102	36	0.64	1.4	M20	T4	135	\$2,318	MVSI 15/1100
VIOLIMVE 1400/15	MVE 1400/15E	60A0	108.6	1364	63.5	0.7	1.78	M25	T4	135	\$2,898	MVSI 15/1410
VIOLIMVE 1700/15	MVE 1700/15E	60A0	137.3	1725	67.5	1.13	2.16	M25	T4	135	\$3,040	MVSI 15/1710
VIOLIMVE 2400/15	MVE 2400/15E	60A0	187.7	2358	68	1.57	3.2	M25	T4	135	\$3,607	MVSI 15/2000
VIOLIMVE 2500/15	MVE 2500/15E	70A0	203.5	2557	85	1.76	3.08	M25	T4	135	\$4,766	MVSI 15/2410
VIOLIMVE 3000/15	MVE 3000/15E	70A0	248.7	3124	83.5	1.9	3.68	M25	T4	135	\$4,903	MVSI 15/3000
VIOLIMVE 3800/15	MVE 3800/15E	75A0	306.7	3853	125	2.2	4.15	M32	T4	135	POA	MVSI 15/3810
VIOLIMVE 4300/15	MVE 4300/15E	75A0	343.2	4312	136.5	2.5	4.5	M32	T4	135	POA	MVSI 15/4300
VIOLIMVE 5500/15	MVE 5500/15E	80A0	437.4	5495	181	2.88	6.5	M32	T4	135	POA	MVSI 15/6000

* working moment = 2x static moment

Stocked items

LOOKING TO REPLACE A ITALVIBRAS?

OLI vibrators will replace Italvibras easily **, simply use the Italvibras type (product) code to find the equivalent OLI vibrator. Some examples are below. Confirm foot print and power matches on every conversion

Italvibras Type	OLI Type
MVSI 15/200	MVE 200/15
MVSI 15/1100	MVE 1100/15

** Not every sizes matches exactly, some vary in power.



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE 40/15E	A	10A0	213	45	*	*	*	4	130	135	11	50	96	107	85
MVE 90/15E	B	20A0	233	54	62-74	106	9	4	130	154	15	65	125	120	112
MVE 200/15E	C	30A0	274	52	***	***	***	4	150	173	15	79	150	166	134
MVE 400/15E	D1	40A0	330	78	105	140	13	4	170	196	20	92	174	166	160
MVE 500/15E	D1	40A0	330	78	105	140	13	4	170	196	20	92	174	166	160
MVE 300/15E	D1	50A0	321	62	120	170	17	4	208	210	22	96	185	192	170
MVE 700/15E	D1	50A0	391	97	120	170	17	4	208	210	22	96	185	192	170
MVE 1100/15E	D1	51A0	414	106	120	170	17	4	208	220	25	105	202	192	187
MVE 1400/15E	D1	60A0	446	112	140	190	17	4	230	260	26	124	240	218	222
MVE 1700/15E	D1	60A0	446	112	140	190	17	4	230	260	26	124	240	218	222
MVE 2400/15E	D1	60A0	490	134	140	190	17	4	230	260	26	124	240	218	222
MVE 2500/15E	D1	70A0	501	123	155	225	22	4	275	290	30	140	256	250	236
MVE 3000/15E	D1	70A0	535	140	155	225	22	4	275	290	30	140	256	250	236
MVE 3800/15E	D1	75A0	564	151	155	255	23.5	4	304	314	30	147	285	277	265
MVE 4300/15E	D1	75A0	584	151	155	255	23.5	4	304	314	30	147	285	277	265
MVE 5500/15E	D1	80A0	603	143	180	280	26	4	332	360	37	167	345	304	310

MULTIPLE FOOTPRINT

*			* * *		
A (mm)	B (mm)	ØG (mm)	A (mm)	B (mm)	ØG (mm)
62-74	106	9	80	110	11
33	83-102	7	90	125	13
			124	110	11
			135	115	11

* working moment = 2x static moment

NB: Fig. on page 17 - 19



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



SIX POLE - 1000RPM

Code	Type	Size	Mechanical Features			Electrical Features			Certificate		List Price	Italvibras Conversion Guide
			Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Standard Nominal Current (A)	Cable Gland	Class II Div .2	ExII 2D (°C)		
							50 Hz (400V)	Metric	Temp. Class	Temp. Class		
VIOLIMVE 50/1	MVE 50/1E	30A0	9.5	53	10.4	0.12	0.3	M20	T4	100	\$1,159	MVSI 10/40
VIOLIMVE 100/1	MVE 100/1E	30A0	18.8	105	11	0.12	0.3	M20	T4	100	\$1,237	MVSI 10/100
VIOLIMVE 200/1	MVE 200/1E	40A0	33.5	187	18.8	0.15	0.65	M20	T4	135	\$1,455	MVSI 10/200
VIOLIMVE 300/1	MVE 300/1E	50A0	56.9	318	26.3	0.25	0.67	M20	T4	135	\$1,996	MVSI 10/310
VIOLIMVE 500/1	MVE 500/1E	50A0	91.9	513	33.7	0.55	1.22	M20	T4	135	\$2,357	MVSI 10/550
VIOLIMVE 800/1	MVE 800/1E	60A0	137.4	767	60.4	0.75	1.42	M25	T4	135	\$3,130	MVSI 10/810
VIOLIMVE 1100/1	MVE 1100/1E	60A0	187.7	1048	78	0.75	1.42	M25	T4	135	\$3,388	MVSI 10/1110
VIOLIMVE 1500/1	MVE 1500/1E	60A0	284.8	1590	84	0.9	1.8	M25	T4	135	\$3,684	MVSI 10/1400
VIOLIMVE 1600/1	MVE 1600/1E	70A0	299.6	1673	90.2	0.9	2.4	M25	T4	135	\$4,212	MVSI 10/1610
VIOLIMVE 2100/1	MVE 2100/1E	70A0	373.1	2083	104.7	1.5	3	M25	T4	135	\$5,152	MVSI 10/2100
VIOLIMVE 2600/1	MVE 2600/1E	75A0	467.4	2610	148.6	1.96	4.1	M32	T4	135	\$6,402	MVSI 10/2610
VIOLIMVE 3000/1	MVE 3000/1E	75A0	540.3	3017	149	2.2	4.5	M32	T4	135	\$7,677	MVSI 10/3000
VIOLIMVE 3800/1	MVE 3800/1E	80A0	680.4	3799	215.6	2.5	5.5	M32	T4	135	POA	MVSI 10/3810
VIOLIMVE 4700/1	MVE 4700/1E	80A0	838.3	4681	219.8	3.2	6.5	M32	T4	135	POA	MVSI 10/4700
VIOLIMVE 5200/1	MVE 5200/1E	85A0	929.9	5192	263.8	3.8	6.92	M32	T4	135	POA	MVSI 10/5200
VIOLIMVE 6500/1	MVE 6500/1E	85A0	1165.2	6506	288.4	4.3	7.76	M32	T4	135	POA	MVSI 10/6500

* working moment = 2x static moment

Stocked items

LOOKING TO REPLACE A ITALVIBRAS?

OLI vibrators will replace Italvibras easily **, simply use the Italvibras type (product) code to find the equivalent OLI vibrator. Some examples are below. Confirm foot print and power matches on every conversion

Italvibras Type	OLI Type
MVSI 10/100	MVE 100/1
MVSI 10/2100	MVE 2100/1

** Not every sizes matches exactly, some vary in power.



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE 50/1E	C	30A0	274	52	***	***	***	4	150	173	15	79	150	166	134
MVE 100/1E	C	30A0	304	67	***	***	***	4	150	173	15	79	150	166	134
MVE 200/1E	D1	40A0	330	78	105	140	13	4	170	196	20	92	174	166	160
MVE 300/1E	D1	50A0	391	97	120	170	17	4	208	210	22	96	185	192	170
MVE 500/1E	D1	50A0	455	129	120	170	17	4	208	210	22	96	185	192	170
MVE 800/1E	D1	60A0	446	112	140	190	17	4	230	260	26	124	240	218	222
MVE 1100/1E	D1	60A0	490	134	140	190	17	4	230	260	26	124	240	218	222
MVE 1500/1E	D1	60A0	566	172	140	190	17	4	230	260	26	124	240	218	222
MVE 1600/1E	D1	70A0	563	154	155	225	22	4	275	290	30	140	256	250	236
MVE 2100/1E	D1	70A0	623	184	155	225	22	4	275	290	30	140	256	250	236
MVE 2600/1E	D1	75A0	692	205	155	255	23.5	4	304	314	30	147	285	277	265
MVE 3000/1E	D1	75A0	692	205	155	255	23.5	4	304	314	30	147	285	277	265
MVE 3800/1E	D1	80A0	683	183	180	280	26	4	332	354	32	170	330	312	311
MVE 4700/1E	D1	80A0	733	208	180	280	26	4	332	354	32	170	330	312	311
MVE 5200/1E	D1	85A0	704	170	200	320	28	4	385	402	40	203	394	360	378
MVE 6500/1E	D1	85A0	704	170	200	320	28	4	385	402	40	203	394	360	378

MULTIPLE FOOTPRINT

* * *

A (mm)	B (mm)	ØG (mm)
80	110	11
90	125	13
124	110	11
135	115	11

* working moment = 2x static moment

NB: Fig. on page 18 & 19



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II 2 D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



TWO POLE - 3000RPM - SINGLE PHASE

Code	Type	Size	Mechanical Features			Electrical Features				Certificate		List Price
			Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Max Nominal Current (A)	Cable Gland	Capacitor µf (230V)	Class II Div .2	ExII 2D (°C)	
							50Hz (230V)	Metric		Temp. Class	Temp. Class	
VIOLIMVE 60/3M	MVE 60/3N M	10A0	1.3	66	4.2	0.08	0.43	M16	3	T4	100	\$515
VIOLIMVE 100/3M	MVE 100/3E M	10A0	2	98	4.6	0.1	0.54	M16	4	T4	100	\$670
VIOLIMVE 200/3M	MVE 200/3E M	20A0	3.7	187	7	0.18	1.14	M20	8	T4	100	\$683
VIOLIMVE 300/3M	MVE 300/3E M	30A0	6.4	321	9.8	0.27	1.58	M20	12.5	T4	100	\$1,018

DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE 60/3E M	A1	10A0	213	45	*	*	*	4	130	135	11	50	96	107	85
MVE 100/3E M	A1	10A0	213	45	*	*	*	4	130	135	11	50	96	107	85
MVE 200/3E M	B1	20A0	233	54	62-74	106	9	4	130	154	15	65	125	120	112
MVE 202/3E M	G	23A0	222	55	**	**	**	4	164	140	25	82	116	159	110
MVE 300/3E M	C1	30A0	254	42	***	***	***	4	154	173	15	79	150	166	134

MULTIPLE FOOTPRINT

*			* *			* * *		
A (mm)	B (mm)	ØG (mm)	A (mm)	B (mm)	ØG (mm)	A (mm)	B (mm)	ØG (mm)
62-74	106	9	62-74	106	9	80	110	11
33	83-102	7	65	140	13	90	125	13
			115	135	11	124	110	11
			135	115	11	135	115	11

* working moment = 2x static moment

NB: Fig. on page 17 - 20

Stocked items



- ATEX zone 22 & 21
- Class II Div.2
- Temperature range -20/+40 °C
- II2D Ex tb IIIC Tx Db IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 21) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- IEC 60034-1, IEC EN 60079-0, IEC EN 60079-31



MICRO - SINGLE PHASE

Code	Type	Size	Mechanical Features			Electrical Features			Certificate	List Price
			Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Nominal Current (A) Max	Cable Gland	Ex II 3D (°C)	
							50 Hz (400V)	Metric	Temp. Class	
VIOLIMICRO 03/3 M	MVE 3/3E MICRO M	Micro	0.1	4	1.4	0.03	0.30	M16	100	\$477
VIOLIMICRO 06/3 M	MVE 6/3E MICRO M	Micro	0.1	6	1.4	0.03	0.30	M16	100	\$541
VIOLIMICRO 21/3 M	MVE 21/3E MICRO M	Micro	0.4	20	1.5	0.04	0.20	M16	100	\$541
VIOLIMICRO 41/3 M	MVE 41/3E MICRO M	Micro	0.9	45	1.7	0.05	0.25	M16	100	\$567

SINGLE PHASE DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE 3/3E MICRO M	F	Micro	145	25	*	*	*	4	110	76	10	39	75	74	70
MVE 6/3E MICRO M	I	Micro	145	25	*	*	*	4	90	76	10	39	75	74	70
MVE 21/3E MICRO M	F	Micro	145	25	*	*	*	4	110	76	10	39	75	74	70
MVE 41/3E MICRO M	F	Micro	161	25	*	*	*	4	110	76	10	39	75	74	70

MICRO - THREE PHASE

Code	Type	Size	Mechanical Features			Electrical Features			Certificate	List Price
			Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Max Nominal Current (A)	Cable Gland	Ex II 3D (°C)	
							50 Hz (400V)	Metric	Temp. Class	
VIOLIMICRO 21/3	MVE 21/3E MICRO	Micro	0.4	20	1.5	0.04	0.21	M16	100	\$541
VIOLIMICRO 41/3	MVE 41/3E MICRO	Micro	0.9	45	1.7	0.06	0.3	M16	100	\$541

THREE PHASE DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE 21/3E MICRO	F	Micro	145	25	*	*	*	4	110	76	10	39	75	74	70
MVE 41/3E MICRO	F	Micro	161	33	*	*	*	4	110	76	10	39	75	74	70

MULTIPLE FOOTPRINT

*		
A (mm)	B (mm)	ØG (mm)
25-40	92	6.5
60	85	6.5

* working moment = 2x static moment. NB: Fig. on page 19 - 20

Stocked items



- ATEX zone 22
- Class II Div.3
- Temperature range -20/+40 °C
- II3D Ex tc IIIC T100 IP66
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- EN 60079-0, EN60079-31



DC - TWO POLE - 3000RPM

Code	Type	Size	RPM	Mechanical Features			Electrical Features			Certificate	List Price
				Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Max Nominal Current (A)	Cable Gland	II 3D (°C)	
								50 Hz (400V)	Metric	Temp. Class	
VIOLIMVE 50 DC 12	MVE 50/3N DC 12V	10A0	3000	1.0	50	4.4	0.08	6.6	M16	100	\$1,009
VIOLIMVE 50 DC 24	MVE 50/3N DC 24V	10A0	3000	1.0	50	4.4	0.08	3.3	M16	100	\$1,009
VIOLIMVE 202 DC 12	IMVE 200/3N DC 12V	23A0	3000	4.2	200	7.2	0.16	13.3	M20	100	\$1,373
VIOLIMVE 202 DC 24	MVE 200/3N DC 24V	23A0	3000	4.2	200	7.2	0.16	6.7	M20	100	\$1,373

DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE 50/3N DC 24	A	10A0	211	45	*	*	*	4	130	136	12	48	94	121	85
MVE 50/3N DC 12	A	10A0	211	45	*	*	*	4	130	136	12	48	94	121	85
MVE 200/3N DC 24	G	23A0	218	53	**	**	**	4	164	140	25	82	116	159	110
MVE 200/3N DC 12	G	23A0	218	53	**	**	**	4	164	140	25	82	116	159	110

MULTIPLE FOOTPRINT

*			* *		
A (mm)	B (mm)	ØG (mm)	A (mm)	B (mm)	ØG (mm)
62-74	106	9	62-74	106	9
33	83-102	7	65	140	13
			115	135	11
			135	115	11

* working moment = 2x static moment

NB: Fig. on page 17 & 20

Stocked items



- ATEX zone 22
- Temperature range -20/+40 °C
- II3D Ex tc IIIC Tx IP66
- Three phase
- Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- Compliance with essential health and safety requirements
- EN 60079-0, EN 60079-31



STAINLESS STEEL

Code	Type	Size	RPM	Pole	Mechanical Features			Electrical Features			Certificate	List Price	Italvibras Conversion Guide
					Working Moment * (kgcm)	FC (kg)	Weight (kg)	kW	Max Nominal Current (A)	Cable Gland	ExII 2D (°C)		
									50 Hz (400V)	Metric	Temp. Class		
VIOLIMVE300/3N-SS	MVE300/3N-SS	30A0	3000	2	6.4	321	16	0.25	0.52	M20	100	\$2,163	MVSS 15/200
VIOLIMVE200/15N-SS	MVE200/15N-SS	30A0	1500	4	15.4	194	18.5	0.12	0.49	M20	100	\$2,685	MVSS 3/301

DIMENSIONS

Type	Fig.	Size	C (mm)	M (mm)	A (mm)	B (mm)	ØG (mm)	Holes (no.)	D (mm)	E (mm)	F (mm)	H (mm)	I (mm)	L (mm)	ØN (mm)
MVE300/3N-SS	P	30A0	298	64	90	125	13	4	156	157	17	82	150	164	134
MVE200/15N-SS	P	30A0	298	64	90	125	13	4	156	157	17	82	150	164	134

* working moment = 2x static moment

NB: Fig. on page 20

Stocked items

LOOKING TO REPLACE AN ITALVIBRAS?

OLI vibrators will replace Italvibras easily **, simply use the Italvibras type (product) code to find the equivalent OLI vibrator. Some examples are below. Confirm foot print and power matches on every conversion

Italvibras Type	OLI Type
MVSS 3/300	MVE 300/3N-SS
MVSS 15/200	MVE 200/15N-SS

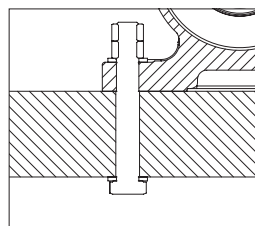
MVE VIBRATOR MOUNTING OPTIONS

PAGE 16

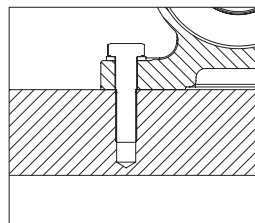
The base plate surface where the vibrator is mounted has an allowable tolerance of 0.25mm (0.01in), so that the surfaces rest uniformly against each other to avoid internal tension that may cause breakage of the foot of the vibrator.
Use 8.8 type bolts, 8.0 type nuts and flat washers belonging to category A EN ISO 7089/7092.
The table below shows the correct torque settings for the different bolt sizes used on the vibrators.

VIBRATOR + MACHINE INTERFACE				
Screw		Washer		Clamping Torque
Metric (mm)	Imperial (inch)	Metric (mm)	Imperial Flat Washer (inch)	Nm
M6	1/4	6.4 x 12	1/4	9
M8	5/16	8.4 x 16	5/16	23
M10	3/8	10.5 x 20	3/8	45
M12	1/2	13 x 24	1/2	80
M16	5/8	17 x 30	5/8	185
M20	13/16	21 x 37	13/16	373
M22	7/8	23 x 39	7/8	550
M24	15/16	25 x 44	15/16	696
M27	1	28 x 50	1	873
M36	1 3/8	37 x 66	1 3/8	1864
M42	1 5/8	37 x 66	1 5/8	2850

FIXING



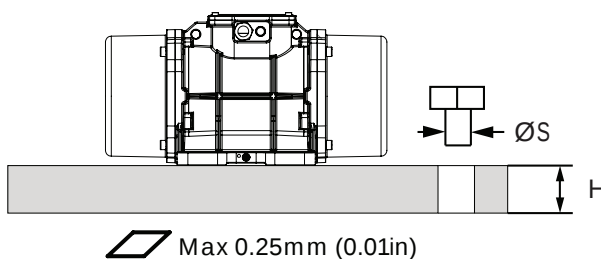
Smooth through borehole
+ screw
+ flat washer
+ nut and counter nut



Tapped threaded borehole
+ screw
+ flat washer

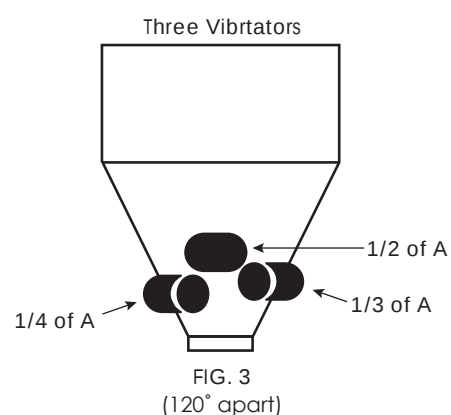
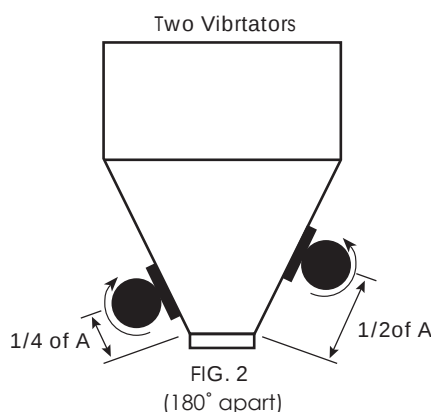
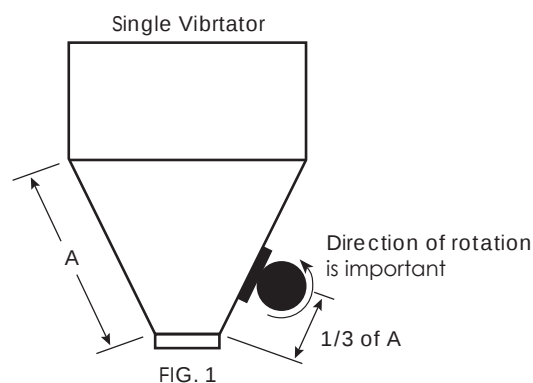
SURFACE FLATNESS TOLERANCE

Recommended plate thickness: $H \geq \varnothing S$



MACHINED & NOT PAINTED
SUPPORT PLATE

SILO/HOPPER/EMPTY/BRIDGING



Diagrams not to scale

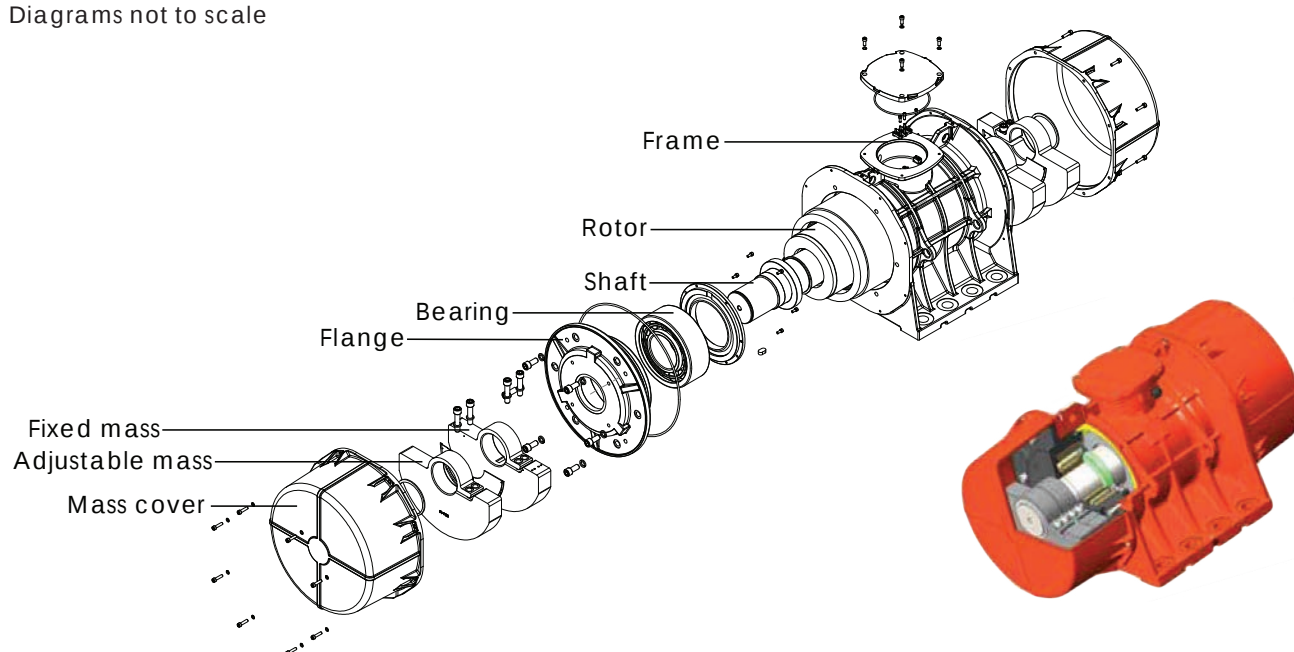


FIG. A

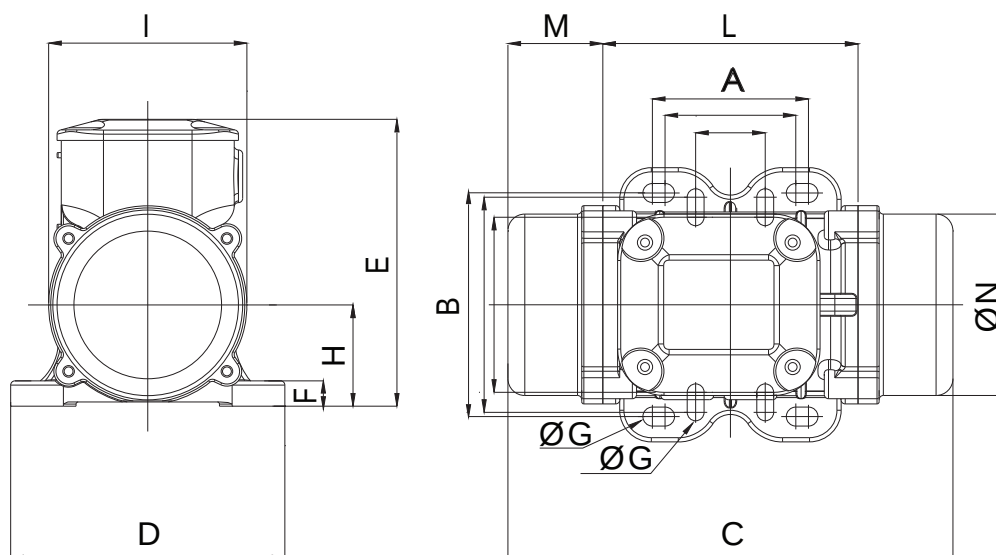
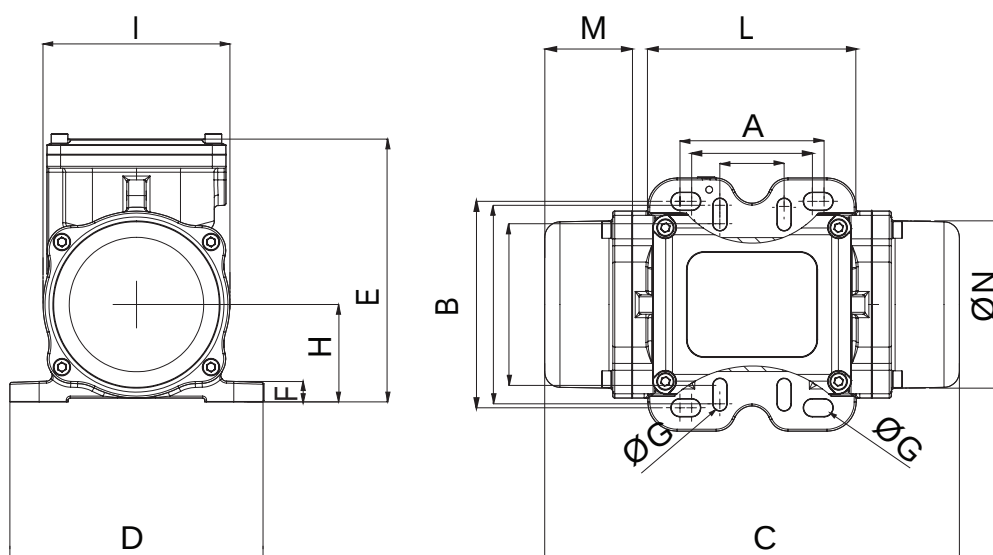


FIG. A1



Diagrams not to scale

FIG. B

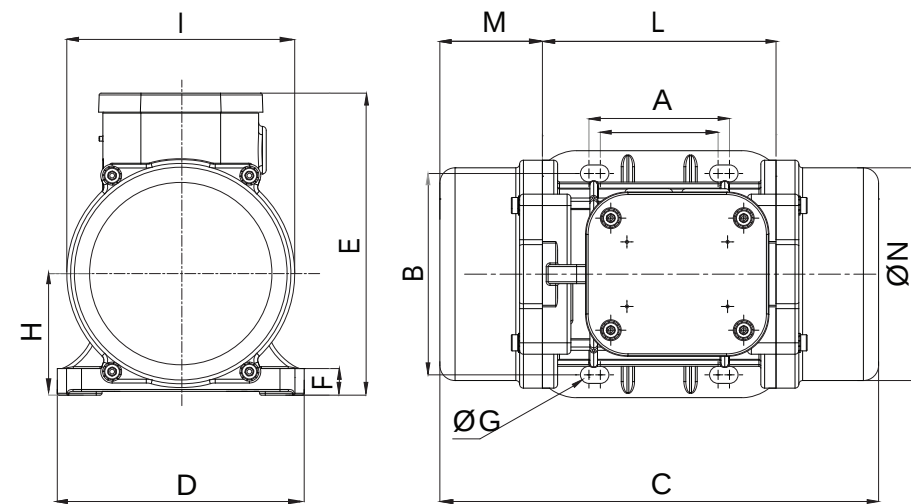


FIG. B1

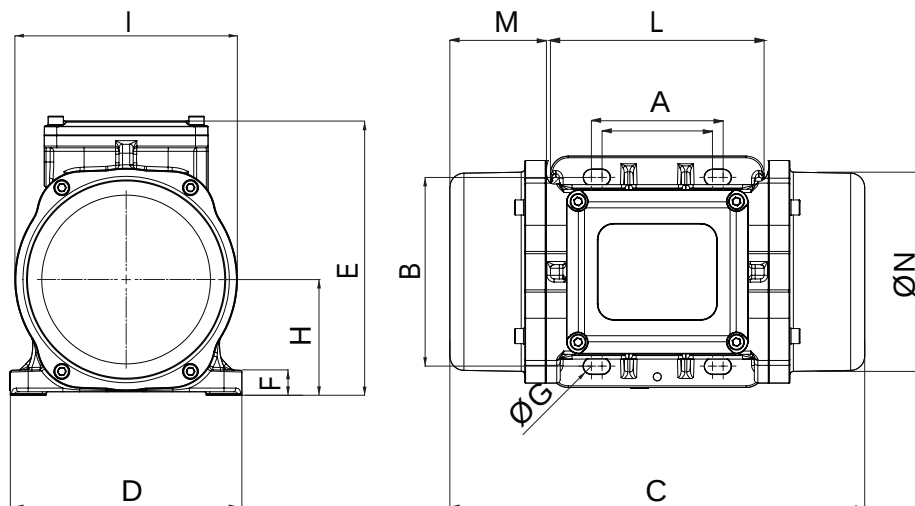
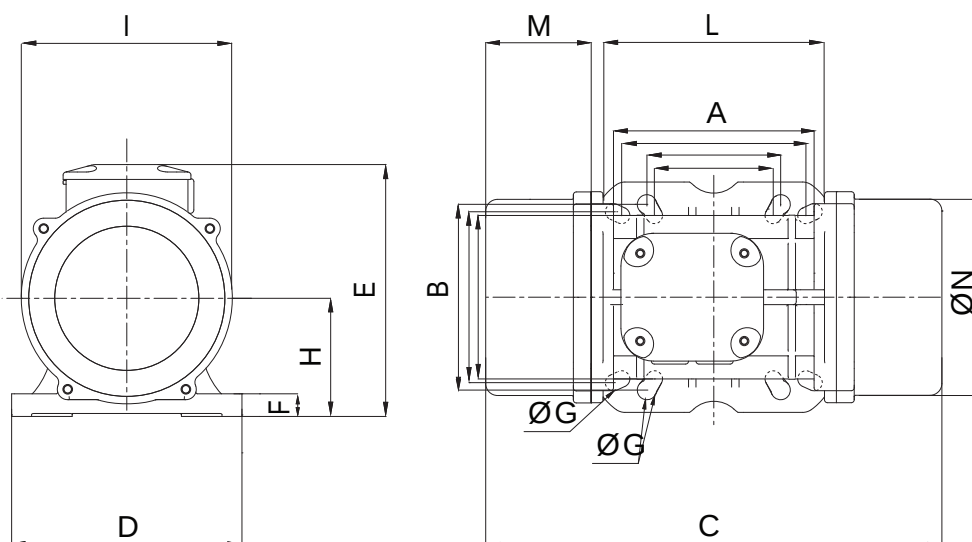


FIG. C



Diagrams not to scale

FIG. C1

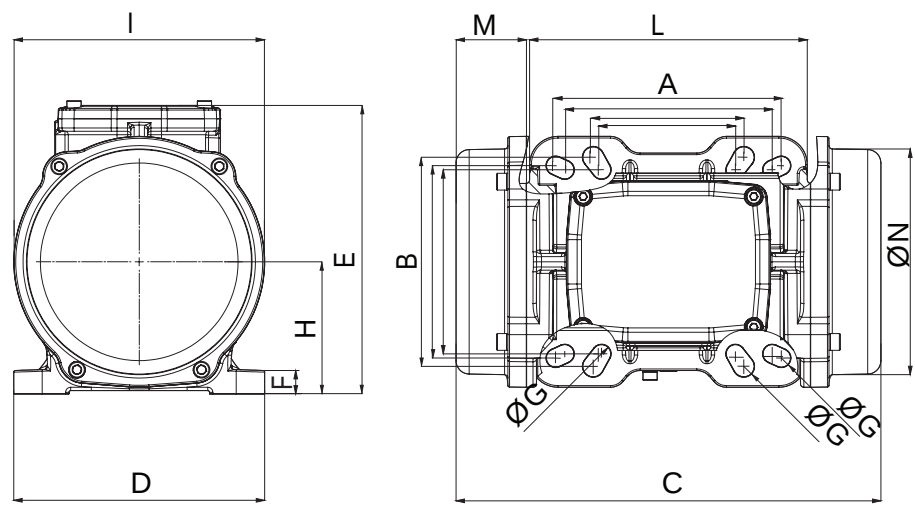


FIG. D1

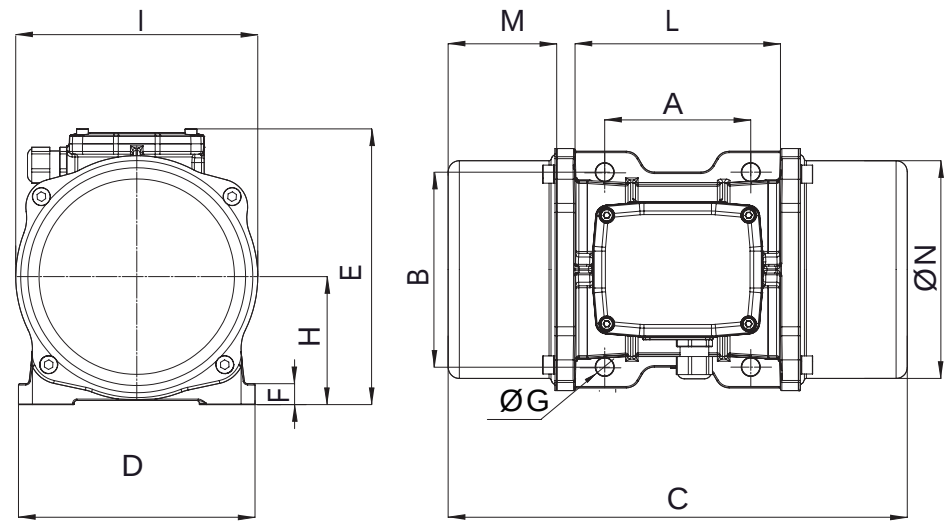
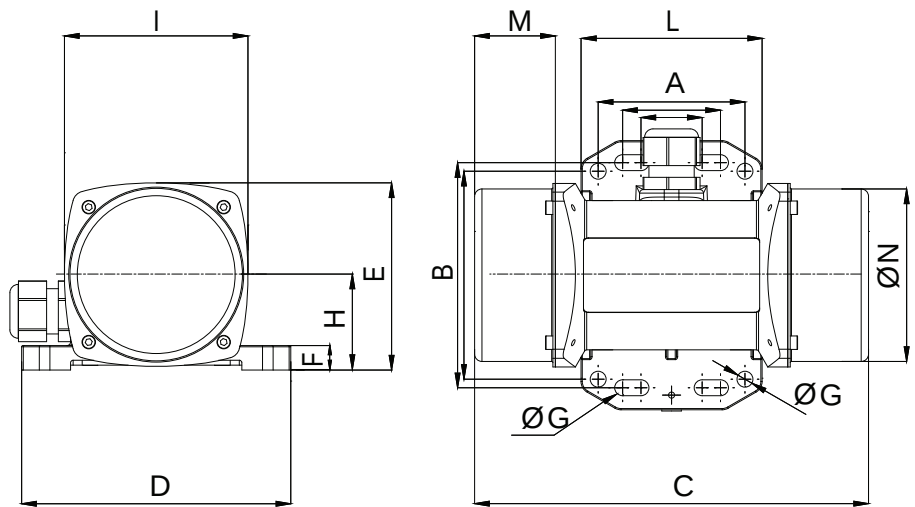


FIG. F



Diagrams not to scale

FIG. G

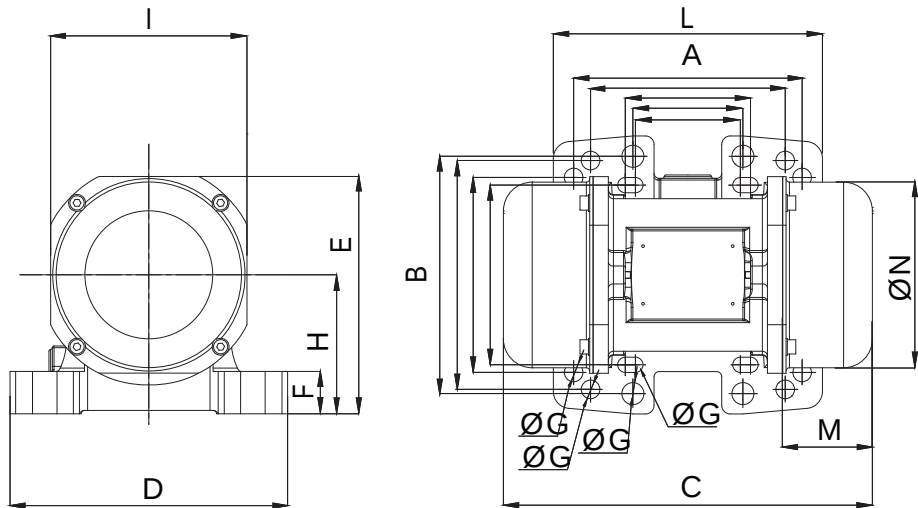


FIG. I

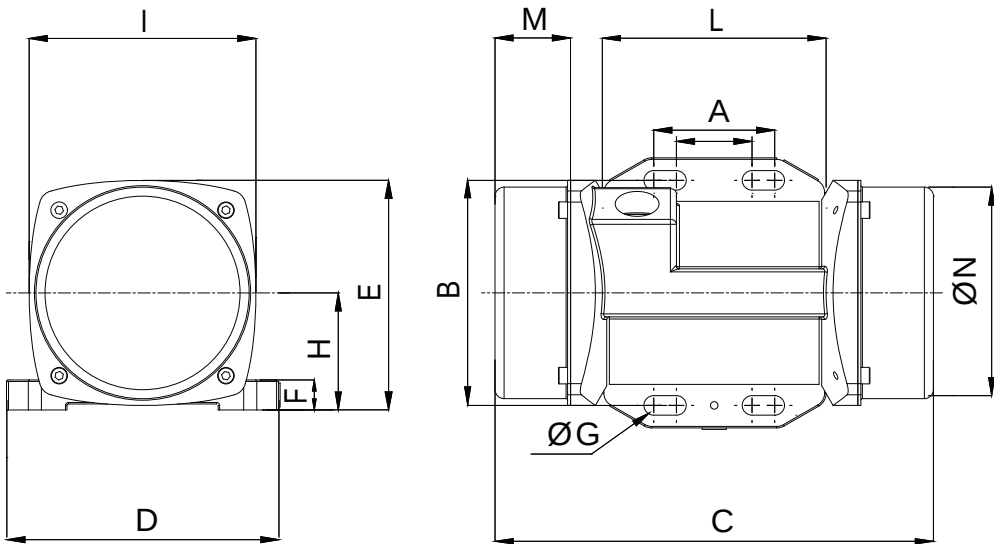
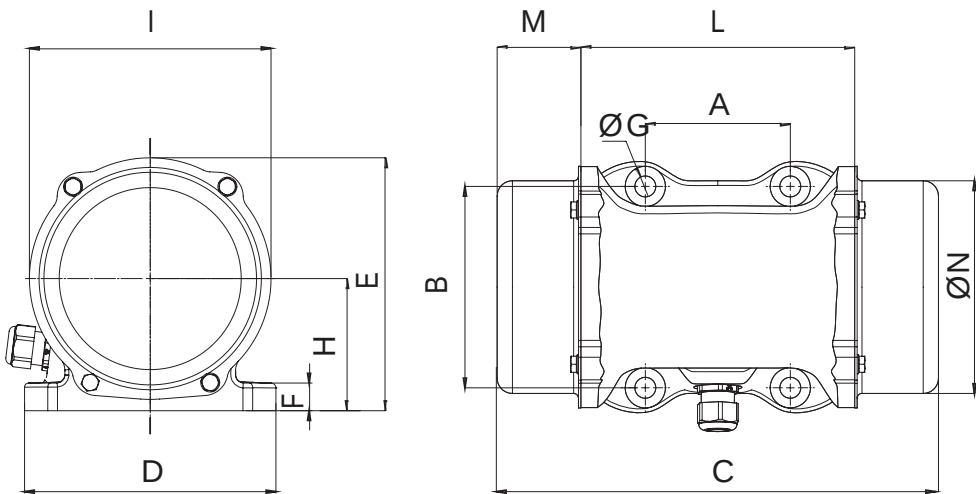
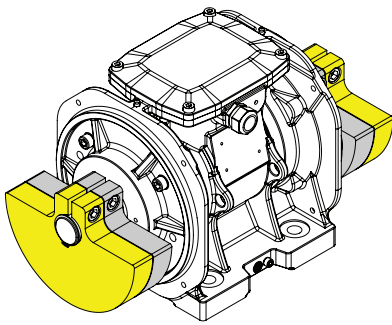


FIG. P

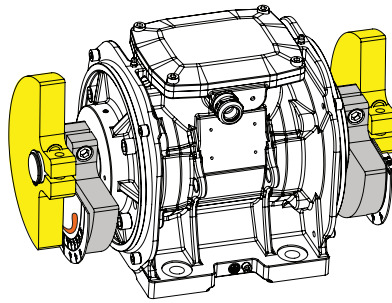


ADJUSTABLE MASSES - TYPE A

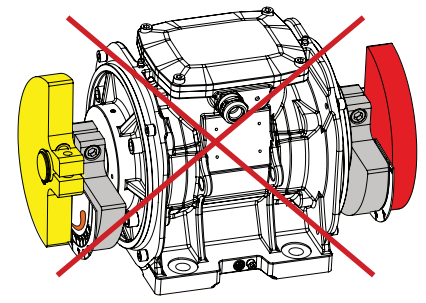
Masses at 100%



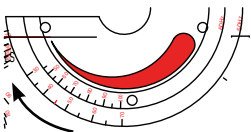
Adjusted masses



Incorrectly adjusted masses

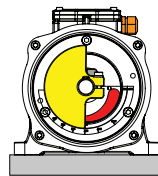


2 tips to correctly adjust masses:

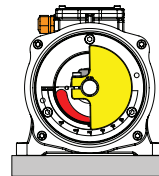


Left side of the vibrator.
For sizes up to 60

Rotate the mass following the design on the plate - from the thicker tip towards the thin tip.



Left side

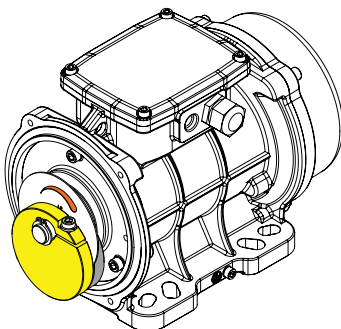


Right side

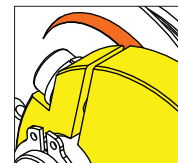
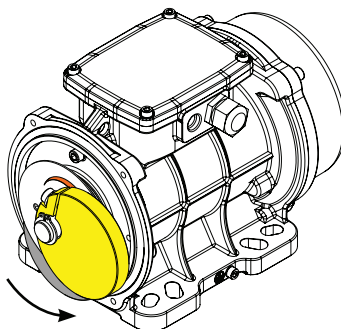
Rotate the masses in the opposite direction to the cable gland

ADJUSTABLE MASSES - TYPE B

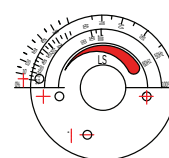
Masses at 100%



Adjusted masses



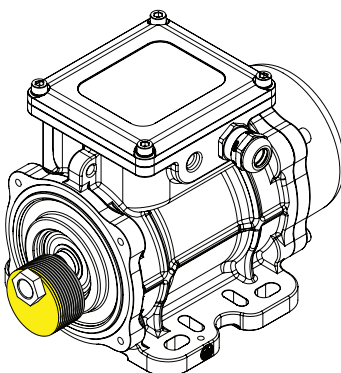
The fissure in the mass indicates the degree of adjustment.



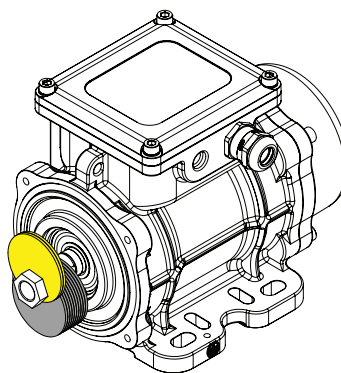
Rotate the mass following the design on the plate - from the thicker tip towards the thin tip.

ADJUSTABLE MASSES - TYPE C (BLADE MASSES)

Masses at 100%



Adjusted masses



For technical information on the regulation of blade masses refer to the Use and Maintenance Manual.



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06 354 3651 | sales@soco.co.nz | www.soco.co.nz | 471 Tremain Avenue, Palmerston North