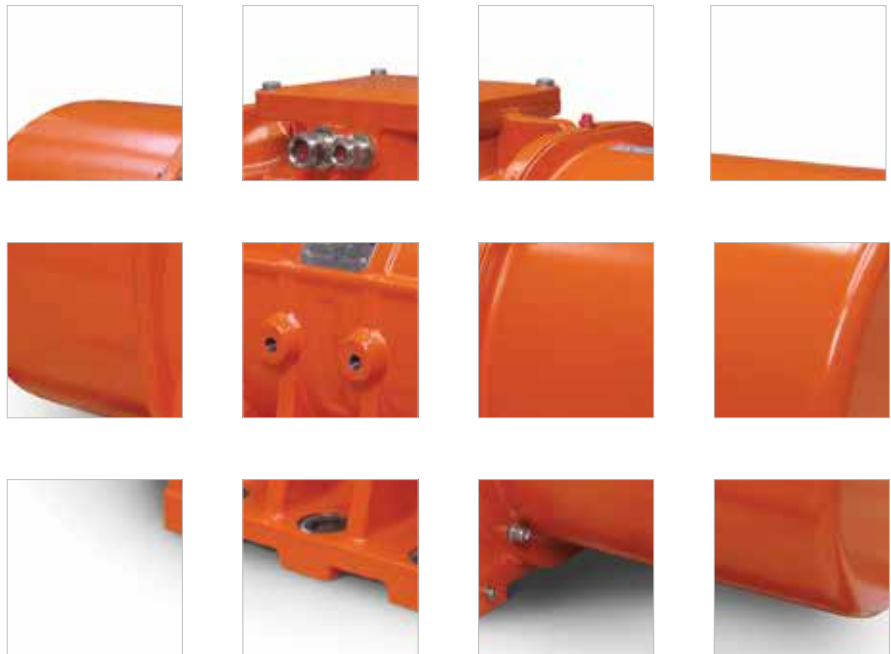
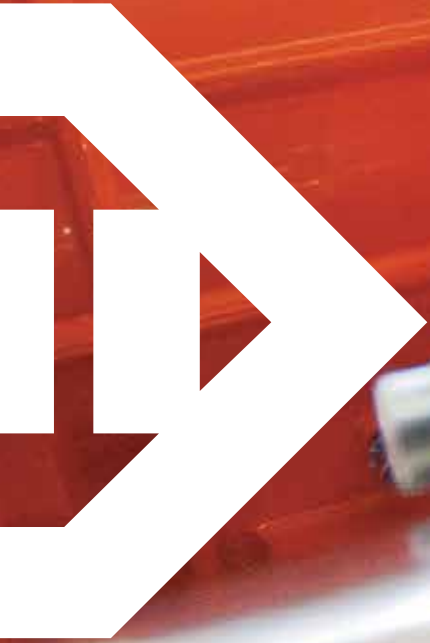
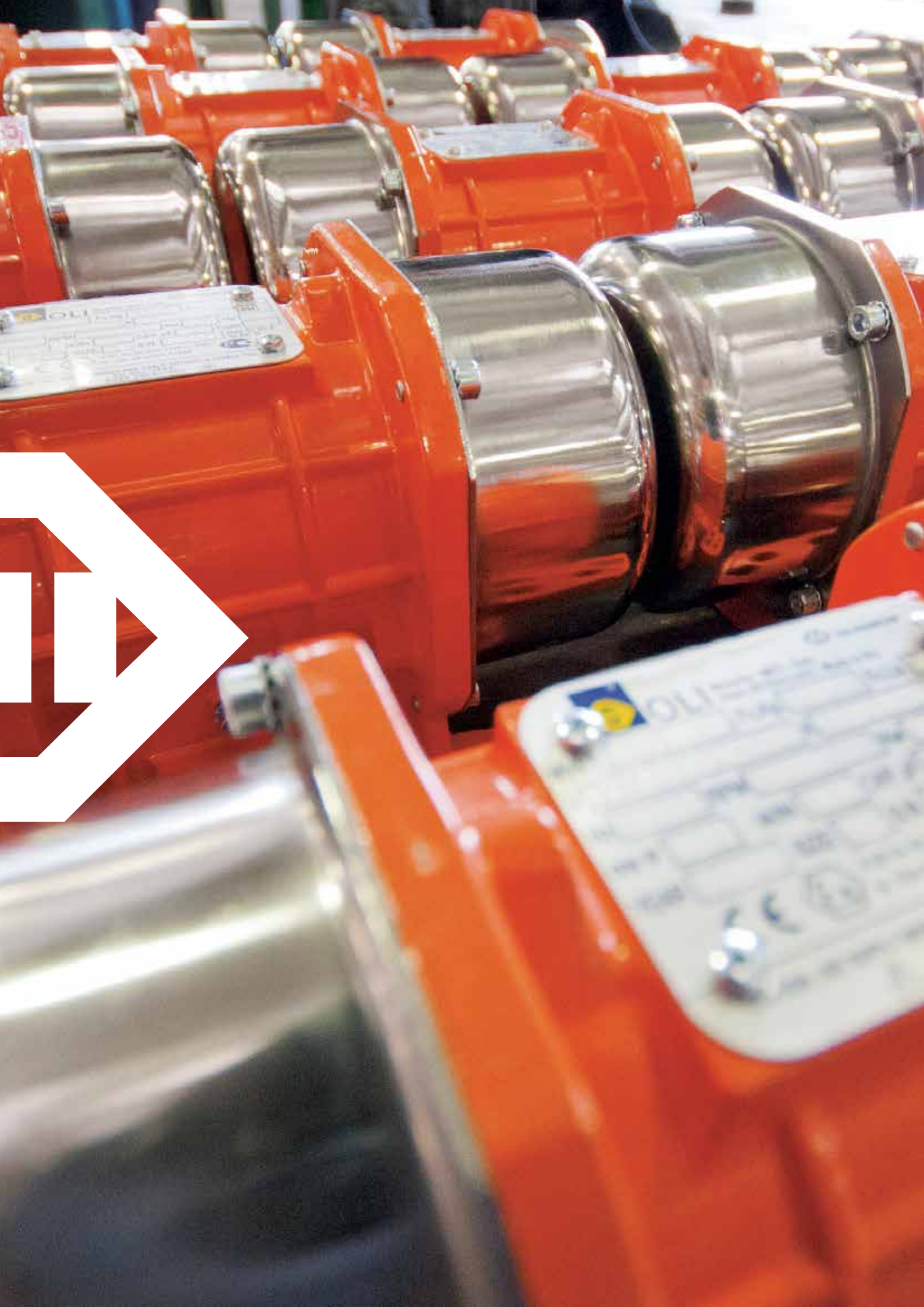


INDUSTRIELLE VIBRATOREN



THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY





Technical specifications label on the machinery, including a logo and various text.



Einleitung

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Auswahl der MVE-Standardmodelle

2 Pole	12
4 Pole	14
6 Pole	16
8 Pole	18
2 Pole einphasig	20
MICRO	22
MVE DC Gleichstrom	24

MVE-E erhöhte Sicherheit

2 Pole	26
4 Pole	28
6 Pole	30
8 Pole	32

MVE-D explosionsgeschützt

2 und 4 Pole	34
6 und 8 Pole	36

MVE für Mühlen

8 und 10 Pole	38
---------------	----

Installation

Montage	40
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Weltweiter Marktführer in der Vibrationstechnik

OLI ist **der marktführende Hersteller und Händler für elektrische und pneumatische Vibratoren**. 18 firmeneigene Niederlassungen, 36 lokale Warenhäuser und 3 Produktionsstätten auf der Welt garantieren einen hochgradigen Kundendienst.

UNSERE 3 PRODUKTSPARTEN

BIETEN DEM KUNDEN OPTIMALE LÖSUNGEN FÜR ALLE SEINE ANFORDERUNGEN

INDUSTRIELLE VIBRATOREN



Elektrische Vibrationsmotoren für Vibrationsanlagen

AUSTRAGSHILFEN



Umfassendes Sortiment an elektrischen und pneumatischen Vibratoren, mit denen alle Probleme mit der Fließfähigkeit gelöst werden können

BETONVERDICHTUNG



Hochfrequenzinnenrüttler (Rüttler) und Konverter für eine zuverlässige und effiziente Betonverdichtung



Ursprünglich spezialisiert auf Rüttler für die Verdichtung von Beton ist OLI heute der weltweite Marktführer in der Vibrationstechnik und bietet eine **komplette Auswahl an elektrischen und pneumatischen Innen- und Außenvibratoren an.**

Bei der Lieferung **wettbewerbsfähiger, hochqualitativer Produkte mit einer weitreichenden Anwendbarkeit** verbindet OLI **Leistung** und **Zuverlässigkeit** indem sich das Unternehmen dem sich stets verändernden Markt anpasst. OLI glaubt fest an die Innovation und ist deswegen konstant bestrebt, seinen Wettstreitern immer einen Schritt voraus zu sein.

Als globales Unternehmen in der Vibrationstechnik liegt der Schwerpunkt der Geschäftsstrategie von OLI auf einer **schnellen Lieferung der Ware jederzeit**

und überall auf der Welt..

Ein herausragender Kundenservice ist von ausschlaggebender Bedeutung: Das Unternehmen garantiert für eine **umgehende Auftragsabwicklung** und seine Kunden haben weltweit Zugriff auf hochqualitative Produkte und Serviceleistungen.

OLI kann auf zuverlässige Sachkenntnisse zugreifen, um für die Kundenanforderungen geeignete Lösungen zu finden. Ein Team von Ingenieuren, spezialisiert auf die Entwicklung effizienter, zuverlässiger und sicherer Lösungen, unterstützt von einem global zertifiziertes Management.

OLI bietet seinen Kunden hochmoderne Ausrüstungen und der Entwurf für die nächste Produktgeneration ist bereits in Arbeit.



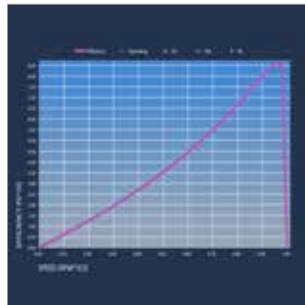
TECHNISCHE MERKMALE

QUALITÄT



- Hochwertige Materialien
- Klasse F Isolierung
- Strapazierfähige Dichtungen
- Erstklassige Lager
- Starkes Gehäusedesign in FEM
- Vakuumisolierung
- FMEA Analyse
- 3D-Qualitätsprüfung

EFFIZIENZ



- Optimiertes Leistung/Gewicht-Verhältnis
- S1 Dauerleistung
- Optimiertes elektrisches Design

ZUVERLÄSSIGKEIT



- PTC Thermistor 130 °C
- Spezifische Fettabdichtung
- Tropentauglicher Standard
- IP66 Schutz
- Isolationsklasse F

FLEXIBILITÄT



- Einfache Unwuchteinstellung
- Motoren für verschiedene Netzspannungen und Frequenzen lieferbar
- Leichter Zugang zum Anschlusskasten
- Vielfach-Ringbolzen

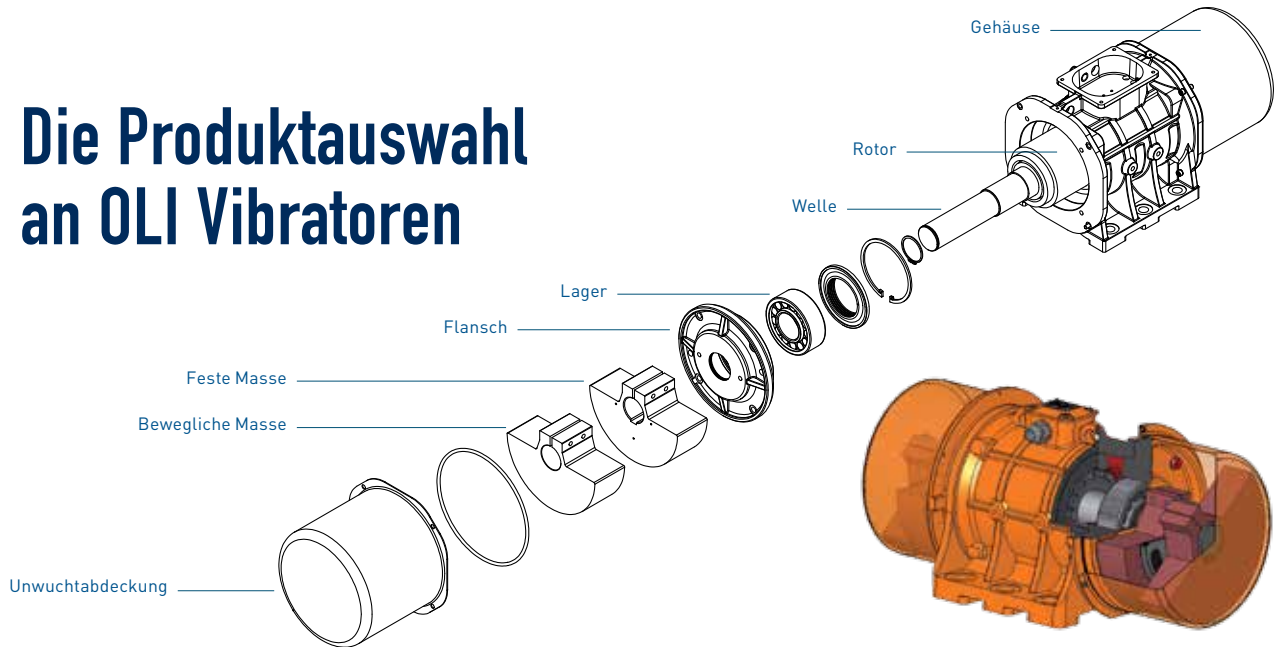


Standardspezifikationen

	AUSWAHL			
Spezifikation	Standard	Erhöhte Sicherheit	Explosionsgeschützt	Für Mühlen
Stromversorgung	3-Phasen von 12V bis 690V, 50Hz oder 60Hz. Einphasig 110V 60Hz und 220V 50Hz. 3-Phasige Motoren sind für Wechselrichter anwendungen ausgelegt	3-Phasen von 230V bis 460V, 50 Hz oder 60 Hz	3-Phasen von 230V bis 690V, 50 Hz oder 60 Hz. 3-Phasige Motoren können mit Frequenzumrichtern von 20Hz bis hin zur Grundfrequenz betrieben werden	
Nennbetriebsart	Dauerbetrieb (S1).			
Schutzstruktur	Mechanischer Schutz IP66 gemäß IEC 60529			
Lager	Kugellager von Größe Micro bis 50, Rollenlager von Größe 60 (nur für einige Modelle) bis 110	Kugellager von Größe 10 bis 50, Rollenlager von Größe 60 (nur für einige Modelle) bis 90	Rollenlager	
Oberflächenbeschichtung	Polyesterpuderlack Standardfarbe RAL 2009			
Installations- und Betriebsumgebung	Für innen und außen			
	Umgebungstemperatur: -20 °C bis +40 °C. Bis zu +55 °C auf Nachfrage	Umgebungstemperatur: -20 °C bis +40 °C	Umgebungstemperatur: -20 °C bis +40 °C. Bis zu +55 °C auf Nachfrage	Umgebungstemperatur: -20 °C bis +40 °C
Unterstützte Standards	Konformität mit der europäischen Richtlinie NIEDERSpannung 2014/35/UE Maschinenrichtlinie 2006/42/EG ATEX 2014/34/UE			
Unwuchtabdeckung	Aluminium. Stahl für Motoren von Größe 60 bis 90. AISI 304 rostfreier Stahl für die Gleichstrom-Vibrationsmotoren	Aluminium. Stahl für Motoren von Größe 60 bis 90	AISI 304 rostfreier Stahl	Stahl
Wicklungen	2,4,6 und 8 Pole, 3-Phasen-Asynchronmotor von Größe 10 bis 110 2 Pole einphasig von Größe 10 bis 30	2,4, 6 und 8 Pole 3-Phasen- Asynchronmotor		8 und 10 Pole 3-Phasen-Asynchronmotor
	Isolierstoffklasse F (155 °C) Vakuum-imprägnierte Wicklungen; PTC Thermistor 130 °C Standard ab Größe 60			
Flanschen	Grauguss bis zur Größe 90, duktiles Gusseisen ab Größe 100			
Gehäuse	Aluminiums bis zur Größe 50, duktiles Gusseisen ab Größe 60			
Welle	hochdruckbeständiger Legierungsstahl			
Exzentermassen	Vollständig regulierbar			



Die Produktauswahl an OLI Vibratoren



OLIs elektrische Vibrationsmotoren liefern Zentrifugalkräfte bis zu 26000 Kg mit einer großen Auswahl an verschiedenen Versorgungsspannungen, dadurch decken sie mehrere Anwendungsbereiche in jedem Land wie auch viele verschiedene Industriesektoren - von der Lebensmittelindustrie bis zum Bergbau, von der Fertigungsanlagen bis zum Recycling und mehr - ab.

OLIs elektrische Vibrationsmotoren werden mit der neusten Technik und Materialien und Bauteilen in Spitzenqualität entworfen und hergestellt.

Die Motorgehäuse, Lagerflanschen und Motorwellen sind im FMA-Design und werden aus Aluminiumlegierungen, Gusseisen














und Stahllegierungen ersten Grades hergestellt, damit sie hoch belastbar sind und ein sicherer Betrieb unter jeder Bedingung gewährleistet ist. Vakuum-imprägnierte Spulen und Isolierstoffklasse F fördern ihre Zuverlässigkeit und Nutzdauer. Lager in Spitzenqualität und eine effiziente Fettabdichtung garantieren lange Leistung und einen niedrigen Schalldruckpegel. Einstellbare Exzentermassen erlauben eine leichte Feineinstellung der vom Motor erzeugten maximalen Zentrifugalkraft.

Verschiedene Zertifikate für den Gebrauch in gefährlichen Umgebungen stehen im OLI-Sortiment zur Verfügung, um den anspruchsvollsten Anforderungen weltweit nachkommen zu können.

Auswahl	Modell		Pole	Vibrationskraft (kg)	Voltzahlklasse (V)	Umdrehungen pro Minute bei 50Hz/ 60Hz (rpm)	Eingangsleistung (kW)
Standard	2-8 poles	MVE	2	66 - 9.375	3-Phasig von 220 V bis 690V, 50Hz oder 60Hz	3.000/3.600	0,04 - 17
			4	25 - 15.153		1.500/1800	
			6	53 - 25.532		1.000/1.200	
			8	105 - 26.489		750/900	
	Micro	MICRO	2	4 - 65	3-Phasig von 230V bis 460V, 50Hz oder 60Hz. Einphasig 115V 60Hz und 230V 50Hz	3.000/3.600	0,03 - 0,07
Einphasig	MVE-M	2	66 - 320	115V 60Hz und 230V 50Hz	3.000/3.600	0,08 - 0,28	
	Gleichstrom	MVE-DC	-	50 - 200	12V und 24V	3.000	0,08 - 0,16
Increased Safety	2-8 poles	MVE-E	2	187 - 4.052	3-Phasig von 220 V bis 690V, 50Hz oder 60Hz	3.000/3.600	0,12 - 13
			4	194 - 15.153		1.500/1.800	
			6	51 - 13.009		1.000/1.200	
			8	105 - 9.952		750/900	
Explosion-proof	2-8 poles	MVE-D	2	794 - 4.052	3-Phasig von 220 V bis 690V, 50Hz oder 60Hz	3.000/3.600	0,35 - 3,9
			4	714 - 5.495		1.500/1.800	
			6	513 - 4.697		1.000/1.200	
			8	179 - 3.792		750/900	
Hi-stroke Milling	8-10 poles	MVE-MILLING	8	1203 - 1.480		750/900	0,65 - 0,78
			10	770 - 1.364		600/720	



Zertifizierungen

Auswahl	Zertifizierungen	Kategorie	Schutztyp	Temperaturleistung	Richtlinie
Standard	 	Ex II3D Klasse II Div.2 Gruppen F, G NEMA4	Gehäuse Ex tc IIIC Tx IP66	Micro und bis zur Größe 50 = T100 °C Von Größe 60 ab = T135 °C	In Übereinstimmung mit der europäischen Richtlinie NIEDERSPANNUNG 2014/35/UE Maschinenrichtlinie 2006/42/EG ATEX 2014/34/UE
Standard  (Bereich 21)		Ex II2D Klasse II Div.2 Gruppen F, G NEMA4	Gehäuse Ex tb IIIC Tx Db IP66	Micro und bis zur Größe 50 = T100 °C von Größe 60 ab = T110 °C	
Erhöhte Sicherheit	  	Ex II2GD	Erhöhte Sicherheit Ex e II T3 Ex tD A21 T150 °C IP66	T3 T150 °C	In Übereinstimmung mit der europäischen Richtlinie NIEDERSPANNUNG 2014/35/UE Maschinenrichtlinie 2006/42/EG ATEX 2014/34/UE
Explosionsgeschützt	 	Ex II2GD Klasse I Div.1 Gruppe C, D Klasse II Div.1 Gruppen E, F, G IP66	Feuerbeständig Ex d IIB T4 Ex tD A21 IP66 T135 °C Ex db IIB T4, Ex tb IIIC T135°C	T4 T135 °C	In Übereinstimmung mit der europäischen Richtlinie NIEDERSPANNUNG 2006/95/EG EMV 2004/108/EG Maschinenrichtlinie 2006/42/EG ATEX 94/9/EC
Explosionsgeschützt D5	  	Ex II2G Klasse I Div.1 Gruppe C, D IP66	Feuerbeständig Ex d IIB T3 IP66 Ex db IIB T3	T3	
Für Mühlen	 	Ex II3D	Gehäuse Ex tc IIIC Tx IP66	T135 °C	In Übereinstimmung mit der europäischen Richtlinie NIEDERSPANNUNG 2014/35/UE Maschinenrichtlinie 2006/42/EG ATEX 2014/34/UE

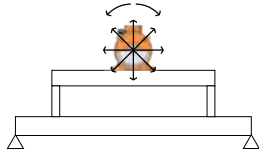


Wie wählt man den passenden Vibrationsmotor aus?

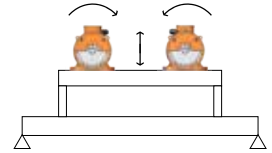
1.

Wählen Sie rpm und die Amplitude „e“ (0- Spitze), die für Ihre Anwendung geeignet ist:

Kreisförmige
Vibration



Lineare
Vibration



Anwendungs- verfahren	Vibration		Umdrehungen pro Minute (rpm)						
			50Hz	750	1000	1500	3000	6000	
	Kreisförmig	Linear	60Hz	900	1200	1800	3600	-	
Förderung		✓			✓	✓			
Trennung / Siebung / Größeneinteilung		✓		✓	✓	✓			
Positionierung / Beschickung		✓		✓	✓	✓			
Filterreinigung	✓						✓		
Silo / Trichter Entleerung	✓						✓		
Wirbelschichten		✓		✓	✓				
Vibrationsböden	✓					✓	✓		
Verdichtung		✓					✓	✓	
Betonverdichtung	✓						✓	✓	

rpm	e (mm)	
	Min.	Max.
3.600	0,3	0,6
3.000	0,3	0,8
1.800	1,2	2,2
1.500	1,4	2,6
1.200	2,5	4,0
1.000	3,0	5,2
9.00	3,5	5,5
750	3,5	6,0

2.

Wählen Sie einen MVE aus den Listen auf den folgenden Seiten und benutzen Sie sein Arbeitsmoment (Wm) für die Formel:

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

e = Amplitude der Schwingung 0-Spitze(mm)

n = Anzahl der Vibrationsmotoren

Wm = Arbeitsmoment (kgcm)

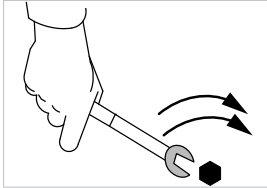
M_{mot} = Motorgewicht (kg)

M_{vm} = Gewicht der Vibrationsmaschine (ohne Material und Motoren)

3.

Prüfen Sie den erhaltenen Wert „e“:

- Wenn er gleich dem erforderlichen ist (Schritt 1) → ist das MVE Modell richtig.
- Wenn er nicht gleich dem erforderlichen ist (Schritt 1) → die Berechnung (Schritt 2) mit einem anderen MVE Modell wiederholen.



Tipps für die Installation siehe Anlage.
Seite 40



Wichtig

Es stehen verschiedene Voltzahlen für die lokalen elektrischen Spezifikationen auf der ganzen Welt sowohl bei 50Hz als auch 60 Hz zur Verfügung.

Alle OLI Motoren können mit doppelter Voltzahl betrieben werden, indem einfach die Anschlüsse im Anschlusskasten von Stern auf Delta oder umgekehrt gewechselt werden.

3-Phasen-MVEs mit doppelter Voltzahl:

Λ (Stern) Hochspannung - Werkeinstellung

Δ (Delta) Niederspannung

MVEs mit "(Delta)":

Δ (Delta) Niederspannung - Werkeinstellung

Λ (Stern) Hochspannung

Für Einzelheiten zu "Stern" und "Delta"-Anschlüssen siehe Seite 41

VOLTZAHL Delta / Stern	Frequenz (Hz)	Standard
200-230 / 345-400	50 / 60	✓
220 (einphasig)	60	
220-240 / 380-415	50	✓
230/460 *	60	✓
230 (einphasig)	50	
330/575 *	60	✓
220-277 / 380-480	60	✓
500-525 (Delta)	50	✓
290-300 / 500-525	50	✓
380-480 (Delta)	60	✓
575 (Delta) *	60	✓
380-415 (Delta)	50	✓
460 (Delta) *	60	✓
115 (dreiphasig)	50 / 60	
115 (einphasig)	60	✓
115 (einphasig)	50	✓
48/80	50 / 60	

* Voltzahltoleranz: ±10%



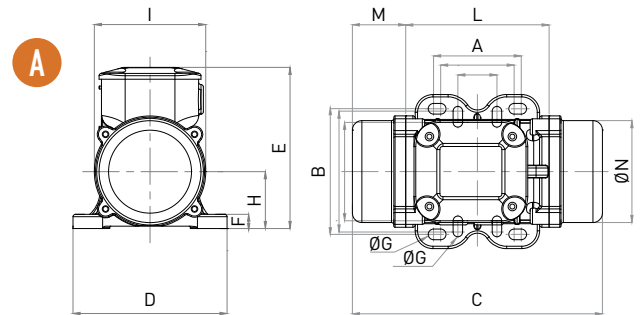
- » II3D Ex tc IIIC Tx IP66
- » Ausrüstung und Sicherheitseinrichtungen für den Gebrauch in potentiell explosionsfähigen Atmosphären (Bereich 22) - Richtlinie 2014/34/UE
- » Übereinstimmung mit den wichtigsten Gesundheits- und Sicherheitsanforderungen
- » IEC 60079-10-2



MVE STANDARDREIHE



2 POLE - 3000/3600 rpm



* Bild bezieht sich auf Größe 50

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN						ZERTIFIKAT			
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Ⓜ Klasse II Div.2	Ⓜ Ex II3D	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	Temp. Klasse	Temp. Klasse	
1	1	MVE 60/3	MVE 60/36	66	71	4	4	0,1	0,1	0,2	0,2	3,0	3,0	M16	T4	100 °C	
2	1	MVE 100/3	MVE 100/36	98	95	5	5	0,1	0,1	0,2	0,2	3,0	3,0	M16	T4	100 °C	
4	3	MVE 200/3	MVE 200/36	187	189	7	7	0,2	0,2	0,3	0,3	3,3	3,3	M20	T4	100 °C	
4	3	MVE 202/3	MVE 202/36	187	189	7	7	0,2	0,2	0,3	0,3	3,3	3,3	M20	T4	100 °C	
6	4	MVE 300/3	MVE 300/36	321	323	10	10	0,3	0,3	0,5	0,4	3,6	3,5	M20	T4	100 °C	
8	6	MVE 400/3	MVE 400/36	407	411	10	10	0,3	0,4	0,6	0,6	3,5	3,5	M20	T4	100 °C	
10	7	MVE 500/3	MVE 500/36	530	534	16	16	0,5	0,6	1,0	1,0	4,0	4,2	M20	T4	100 °C	
15	11	MVE 700/3	MVE 700/36	758	765	16	16	0,7	0,7	1,2	1,2	4,3	5,0	M20	T4	100 °C	
16	11	MVE 800/3	MVE 800/36	794	800	21	21	0,7	0,9	1,4	1,5	3,8	3,8	M20	T4	100 °C	
20	16	MVE 1200/3	MVE 1200/36	1.005	1.013	22	22	0,9	1,1	1,8	1,9	4,4	4,5	M20	T4	100 °C	
27	19	MVE 1300/3	MVE 1300/36	1.355	1.365	22	22	1,3	1,4	2,4	2,2	5,2	5,0	M20	T4	100 °C	
27	19	MVE 1301/3	MVE 1301/36	1.355	1.365	34	34	1,3	1,4	2,4	2,2	5,2	5,0	M20	T4	100 °C	
22	22	MVE 1310/3	MVE 1310/36	1.123	1.616	34	34	1,3	1,4	2,4	2,2	5,2	5,0	M20	T4	100 °C	
31	22	MVE 1600/3	MVE 1600/36	1.601	1.608	52	51	1,6	1,6	2,9	2,6	5,9	6,2	M25	T4	135 °C	
37	28	MVE 2000/3	MVE 2000/36	2.027	1.997	53	52	2,0	2,1	3,7	3,4	6,5	6,4	M25	T4	135 °C	
46	32	MVE 2300/3	MVE 2300/36	2.302	2.306	54	52	2,4	2,4	4,4	3,9	6,0	6,3	M25	T4	135 °C	
68	44	MVE 3200/3	MVE 3200/36	3.252	3.176	103	101	2,9	2,9	5,3	4,6	8,3	8,2	M32	T4	135 °C	
79	56	MVE 4000/3	MVE 4000/36	4.033	4.052	107	104	2,9	2,9	5,3	4,6	8,5	9,7	M32	T4	135 °C	
103	70	MVE 5000/3	MVE 5000/36	5.009	5.048	111	106	4,0	4,0	7,2	6,3	8,5	9,8	M32	T4	135 °C	
								A max. (Δ)									
129	90	MVE 6500/3	MVE 6500/36	6.510	6.552	228	230	5,5	5,0	9,5	8,0	8,5	8,8	M32	T4	135 °C	
180	129	MVE 9000/3	MVE 9000/36	9.025	9.375	240	235	10,0	9,0	14,0	18,0	8,4	8,6	M32	T4	135 °C	



BIS ZUR GRÖSSE 60 (NICHT EINGESCHLOSSEN)
60Hz Masse = 50Hz Massen auf 70% angepasst



AB GRÖSSE 60 (EINSCHLIESSLICH)
Spezifische Massen für 60Hz

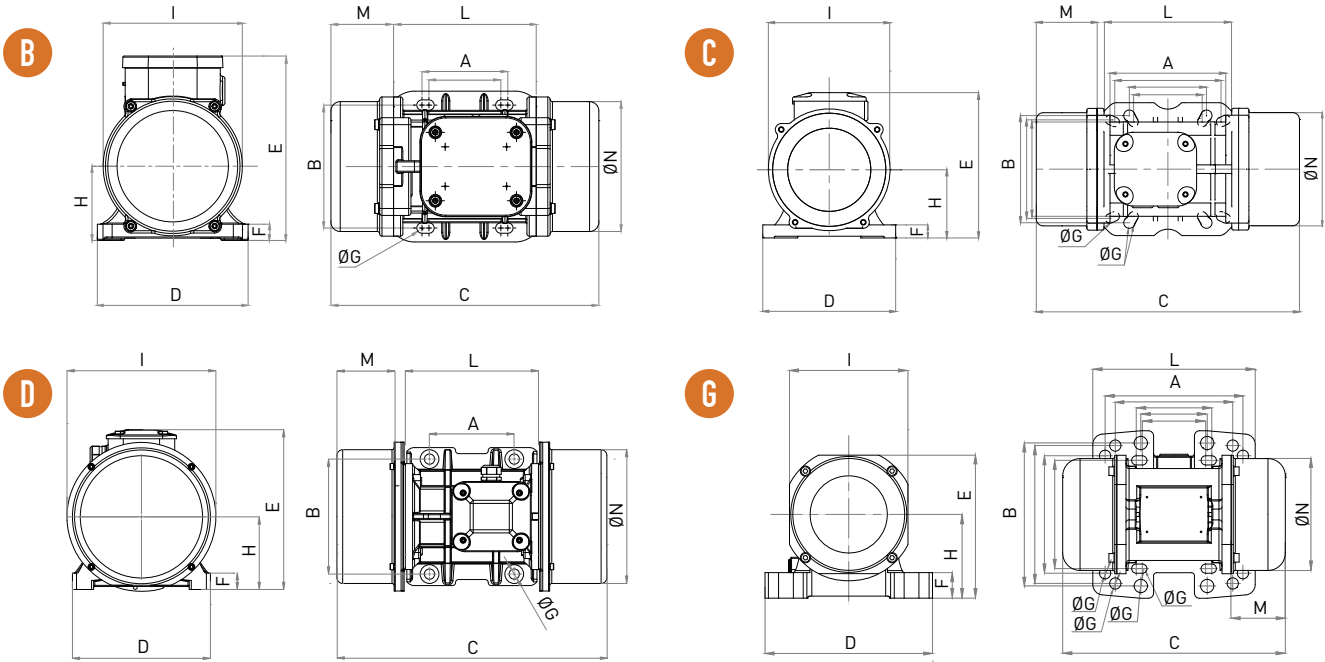
Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



» Konformitätserklärung "Typ B" gemäß:
2014/35/UE - 2006/42/EG - EN 60034-1



» Klasse II Div.2 Gruppe F, G - T4 -
» Entspricht den Anforderungen von UL 1836, UL1004-1 Zert. CSA C22.2
Nr. 25, 100, 145
» NEMA 4*
* Ausgenommen MVEs der Gehäusegröße 100 - 110



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung	Größe	C		M		A	B	Ø G	Bohrungen	D	E	F	H	I	L	N	
50Hz	60Hz			50Hz	60Hz	Nr.													
MVE 60/3	MVE 60/36	A	10	211	45	Variables Lochbild 62-74 106 9			4	130	136	12	48	94	121	85			
MVE 100/3	MVE 100/36	A	10	211	45	33 83-102 7			4	130	136	12	48	94	121	85			
MVE 200/3	MVE 200/36	B	20	231	54	62-74	106	9	4	131	159	15	64	121	123	112			
MVE 202/3	MVE 202/36	G	23	218	53	Variables Lochbild 62-74 106 9 65 140 13 115 135 11 135 115 11			4	164	140	25	82	116	159	110			
MVE 300/3	MVE 300/36	C	30	253	45	Variables Lochbild 80 110 11 90 125 13			4	154	175	15	79	142	163	131			
MVE 400/3	MVE 400/36	C	30	273	55	124 110 11 135 115 11			4	154	175	15	79	142	163	131			
MVE 500/3	MVE 500/36	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158			
MVE 700/3	MVE 700/36	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158			
MVE 800/3	MVE 800/36	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170			
MVE 1200/3	MVE 1200/36	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170			
MVE 1300/3	MVE 1300/36	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170			
MVE 1301/3	MVE 1301/36	D	53	321	58	100	180	17	4	236	210	26	98	180	205	170			
MVE 1310/3	MVE 1310/36	D	55	321	58	100	200	17	4	236	210	26	98	180	205	170			
MVE 1600/3	MVE 1600/36	D	60	418	83	140	190	17	4	229	262	30	120	247	220	222			
MVE 2000/3	MVE 2000/36	D	60	418	83	140	190	17	4	229	262	30	120	247	220	222			
MVE 2300/3	MVE 2300/36	D	60	418	83	140	190	17	4	229	262	30	120	247	220	222			
MVE 3200/3	MVE 3200/36	D	75	538	115	155	255	25	4	302	318	35	147	295	273	264			
MVE 4000/3	MVE 4000/36	D	75	538	115	155	255	25	4	302	318	35	147	295	273	264			
MVE 5000/3	MVE 5000/36	D	75	588	538	140	115	155	255	25	4	302	318	35	147	295	273	264	
MVE 6500/3	MVE 6500/36	D	85	605	120	200	320	28	4	378	411	49	199	424	325	378			
MVE 9000/3	MVE 9000/36	D	85	605	120	200	320	28	4	378	411	49	199	424	325	378			

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

Diese Information wird ohne Garantie, Repräsentation, Anlass oder Lizenz gegeben. Angaben wurden nach bestem Wissen von OLI gemacht oder anderen, für vertrauenswürdig gehaltenen, Quellen entnommen. Deswegen übernimmt OLI für diese Angaben.

STANDARD

ERHÖHTE SICHERHEIT

FÜR MÜHLEN



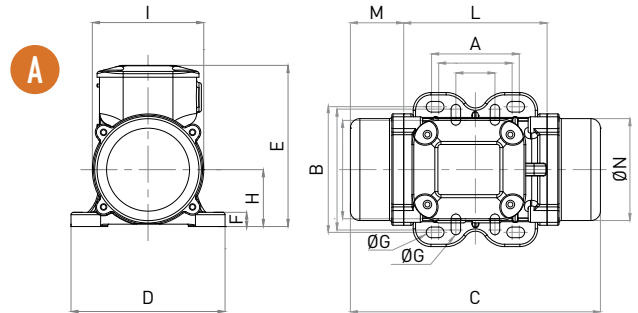
- » II3D Ex tc IIIC Tx IP66
- » Ausrüstung und Sicherheitseinrichtungen für den Gebrauch in potentiell explosionsfähigen Atmosphären (Bereich 22) - Richtlinie 2014/34/UE
- » Übereinstimmung mit den wichtigsten Gesundheits- und Sicherheitsanforderungen
- » IEC 60079-10-2



MVE STANDARDREIHE



4 POLE - 1500/1800 rpm



* Bild bezieht sich auf Größe 90

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN						ZERTIFIKAT		
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Ⓜ. Klasse II Div.2	Ex II3D
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	Temp. Klasse	Temp. Klasse
2	2	MVE 40/15	MVE 40/18	25	36	5		0,04	0,05	0,3	0,3	2,0	2,0	M16	T4	100 °C
6	4	MVE 90/15	MVE 90/18	75	76	7		0,1	0,1	0,3	0,3	3,5	3,8	M20	T4	100 °C
15	11	MVE 200/15	MVE 200/18	194	196	12		0,2	0,2	0,5	0,5	2,0	2,0	M20	T4	100 °C
33	23	MVE 400/15	MVE 400/18	420	423	19		0,3	0,3	0,8	0,9	2,5	2,5	M20	T4	100 °C
40	28	MVE 500/15	MVE 500/18	504	508	21		0,3	0,4	1,1	1,1	2,8	2,7	M20	T4	100 °C
27	19	MVE 300/15	MVE 300/18	334	336	22		0,6	0,7	1,3	1,4	3,0	3,2	M20	T4	100 °C
57	39	MVE 700/15	MVE 700/18	714	712	27		0,6	0,7	1,3	1,4	3,0	3,2	M20	T4	100 °C
89	62	MVE 1100/15	MVE 1100/18	1.114	1.122	36	28	0,6	0,8	1,5	1,7	3,8	3,8	M20	T4	100 °C
109	77	MVE 1400/15	MVE 1400/18	1.364	1.388	60	58	0,9	1,1	1,7	1,8	4,0	4,0	M25	T4	135 °C
137	92	MVE 1700/15	MVE 1700/18	1.725	1.664	62	59	1,1	1,3	2,2	2,1	4,7	4,5	M25	T4	135 °C
188	137	MVE 2400/15	MVE 2400/18	2.358	2.485	68	62	1,6	1,9	3,0	3,2	4,9	4,9	M25	T4	135 °C
203	136	MVE 2500/15	MVE 2500/18	2.557	2.454	90	84	1,8	2,0	3,4	3,4	6,0	6,1	M25	T4	135 °C
249	170	MVE 3000/15	MVE 3000/18	3.124	3.071	97	87	1,9	2,3	3,7	3,8	6,5	6,6	M25	T4	135 °C
307	205	MVE 3800/15	MVE 3800/18	3.853	3.704	130	118	2,2	2,6	4,1	4,1	6,8	6,8	M32	T4	135 °C
343	241	MVE 4300/15	MVE 4300/18	4.312	4.359	134	124	2,5	3,0	5,7	5,8	7,0	7,2	M32	T4	135 °C
437	304	MVE 5500/15	MVE 5500/18	5.495	5.495	192	190	3,6	3,4	6,5	6,6	7,1	7,0	M32	T4	135 °C
								A max. (Δ)								
577	397	MVE 7200/15	MVE 7200/18	7.246	7.188	253	247	5,0	6,0	9,6	9,4	6,8	6,9	M32	T4	135 °C
718	499	MVE 9000/15	MVE 9000/18	9.020	9.023	269	258	7,5	8,5	12,0	12,0	7,0	7,0	M32	T4	135 °C
800	588	MVE 10000/15	MVE 10000/18	10.052	10.643	312	297	7,8	9,4	13,0	13,0	6,5	6,4	M32	T4	135 °C
939	655	MVE 11500/15	MVE 11500/18	11.779	11.853	445	422	9,0	10,0	15,5	15,5	7,0	7,0	M32	-	135 °C
1.142	838	MVE 14500/15	MVE 14500/18	14.352	15.153	460	442	11,0	13,0	18,5	18,5	8,0	8,0	M32	-	135 °C



BIS ZUR GRÖSSE 60 (NICHT EINGESCHLOSSEN)
60Hz Masse= 50Hz Massen auf 70% angepasst
Ausgenommen Modell MVE 1100/15 - MVE 1100/18



AB GRÖSSE 60 (EINSCHLIESSLICH)
Spezifische Massen für 60Hz

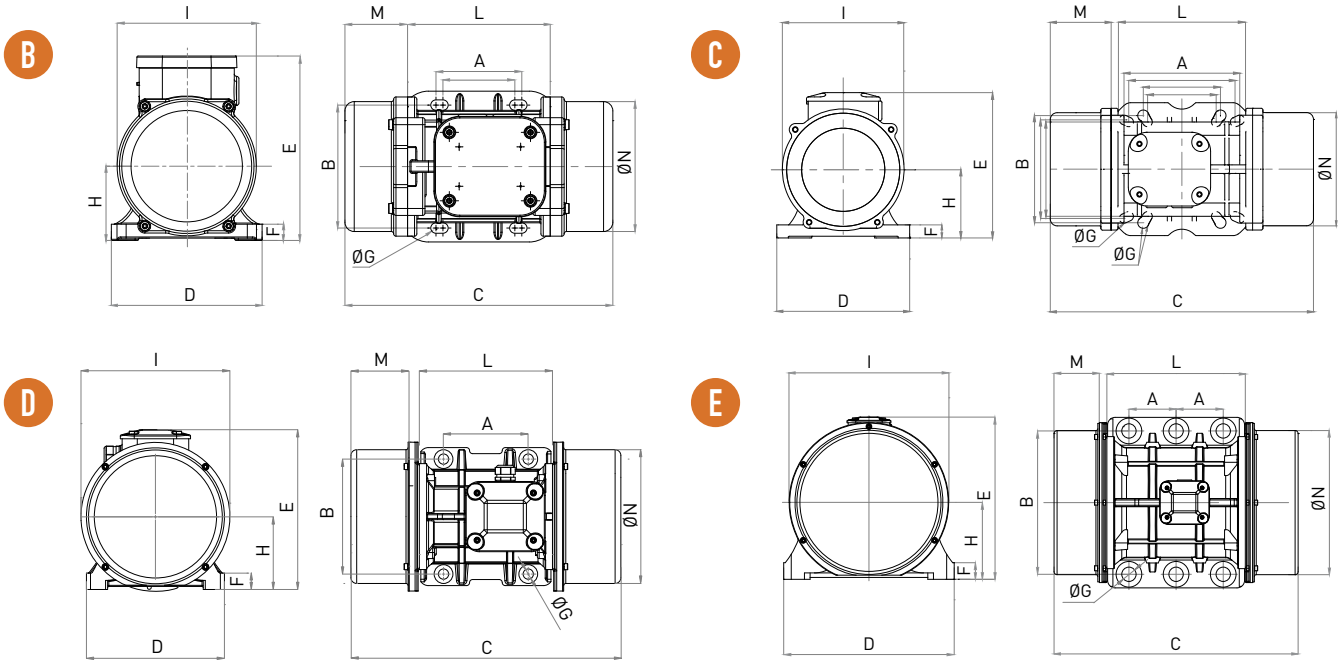
Um kg in Newton umzurechnen: **N = 9.81 · kg**



» Konformitätserklärung "Typ B" gemäß:
2014/35/UE - 2006/42/EG - EN 60034-1



» Klasse II Div.2 Gruppe F, G - T4 -
» Entspricht den Anforderungen von UL 1836, UL1004-1 Zert. CSA C22.2.
Nr. 25, 100, 145
» NEMA 4*
* Ausgenommen MVEs der Gehäusegröße 100 - 110



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung	Größe	C		M		A	B	ØG	Bohrungen Nr.	D	E	F	H	I	L	N		
50Hz	60Hz			50Hz	60Hz															
MVE 40/15	MVE 40/18	A	10	211	45	Variables Lochbild 62-74 106 9 33 83-102 7			4	130	136	12	48	94	121	85				
MVE 90/15	MVE 90/18	B	20	231	54	62-74	106	9	4	131	159	15	64	121	123	112				
MVE 200/15	MVE 200/18	C	30	273	55	Variables Lochbild 80 110 11 90 125 13 124 110 11 135 115 11			4	154	175	15	79	142	163	131				
MVE 400/15	MVE 400/18	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158				
MVE 500/15	MVE 500/18	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158				
MVE 300/15	MVE 300/18	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170				
MVE 700/15	MVE 700/18	D	50	391	93	120	170	17	4	208	210	22	94	180	205	170				
MVE 1100/15	MVE 1100/18	D	50	451	391	123	93	120	170	17	4	208	210	22	94	180	205	170		
MVE 1400/15	MVE 1400/18	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222				
MVE 1700/15	MVE 1700/18	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222				
MVE 2400/15	MVE 2400/18	D	60	510	446	129	96	140	190	17	4	229	262	30	120	247	220	222		
MVE 2500/15	MVE 2500/18	D	70	522	486	123	105	155	225	22	4	272	295	40	140	267	250	235		
MVE 3000/15	MVE 3000/18	D	70	522	486	123	105	155	225	22	4	272	295	40	140	267	250	235		
MVE 3800/15	MVE 3800/18	D	75	588	538	140	115	155	255	23.5	4	302	318	35	147	295	273	264		
MVE 4300/15	MVE 4300/18	D	75	588	140	155	255	23.5	4	302	318	35	147	295	273	264				
MVE 5500/15	MVE 5500/18	D	80	603	130	180	280	26	4	332	360	37	167	345	304	310				
MVE 7200/15	MVE 7200/18	D	85	608	120	200	320	28	4	378	411	49	200	424	325	378				
MVE 9000/15	MVE 9000/18	D	85	608	120	200	320	28	4	378	411	49	200	424	325	378				
MVE 10000/15	MVE 10000/18	E	90	726	646	160	120	125	380	39	6	452	430	44	204	422	367	378		
MVE 11500/15	MVE 11500/18	E	100	890	210	140	440	45	6	530	484	37	232	446	470	424				
MVE 14500/15	MVE 14500/18	E	100	890	210	140	440	45	6	530	484	37	232	446	470	424				

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

Diese Information wird ohne Garantie, Repräsentation, Anlass oder Lizenz gegeben. Angaben wurden nach bestem Wissen von OLI gemacht oder anderen, für vertrauenswürdig gehaltenen, Quellen entnommen. Deswegen übernimmt OLI für diese Angaben.

STANDARD

ERHÖHTE SICHERHEIT

FÜR MÜHLEN



- » I13D Ex tc IIIC Tx IP66
- » Ausrüstung und Sicherheitseinrichtungen für den Gebrauch in potentiell explosionsfähigen Atmosphären (Bereich 22)- Richtlinie 2014/34/UE
- » Übereinstimmung mit den wichtigsten Gesundheits- und Sicherheitsanforderungen
- » IEC 60079-10-2



MVE STANDARDREIHE



6 POLE - 1000/1200 rpm



*1



*2

*1 Bild bezieht sich auf Größe 105

*2 Bild bezieht sich auf Größe 30

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN						ZERTIFIKAT		
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Ⓜ. Klasse II Div.2	Ⓜ. Klasse I13D
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	Temp. Klasse	Temp. Klasse
9	7	MVE 50/1	MVE 50/12	53	53	10		0,1	0,1	0,4	0,5	2,0	2,0	M20	T4	100 °C
19	13	MVE 100/1	MVE 100/12	105	106	12		0,1	0,1	0,4	0,5	2,0	2,0	M20	T4	100 °C
33	23	MVE 200/1	MVE 200/12	187	188	20		0,2	0,2	0,5	0,5	2,0	2,0	M20	T4	100 °C
57	40	MVE 300/1	MVE 300/12	318	320	27		0,3	0,4	0,7	0,6	2,5	2,5	M20	T4	100 °C
92	64	MVE 500/1	MVE 500/12	513	517	34		0,3	0,4	1,2	1,1	2,0	2,7	M20	T4	100 °C
92	92	MVE 510/1	MVE 510/12	513	739	34		0,3	0,4	1,2	1,1	2,8	2,7	M20	T4	100 °C
137	109	MVE 800/1	MVE 800/12	767	873	62	59	0,7	0,8	1,4	1,3	3,2	3,1	M25	T4	135 °C
188	137	MVE 1100/1	MVE 1100/12	1.048	1.104	79	73	0,7	0,8	1,4	1,3	3,2	3,1	M25	T4	135 °C
285	196	MVE 1500/1	MVE 1500/12	1.590	1.580	84	76	1,1	1,3	2,1	2,0	3,3	3,3	M25	T4	135 °C
300	203	MVE 1600/1	MVE 1600/12	1.673	1.636	100	89	1,1	1,3	2,8	3,2	3,7	3,6	M25	T4	135 °C
373	249	MVE 2100/1	MVE 2100/12	2.083	2.000	114	100	1,5	1,8	3,0	3,0	4,3	4,4	M25	T4	135 °C
467	307	MVE 2600/1	MVE 2600/12	2.610	2.466	147	131	2,0	2,1	3,6	3,4	4,8	4,8	M32	T4	135 °C
540	380	MVE 3000/1	MVE 3000/12	3.017	3.053	155	138	2,2	2,4	4,5	4,3	5,0	5,0	M32	T4	135 °C
940	658	MVE 5210/1	MVE 5210/12	5.237	5.290	225	191	3,8	4,0	6,9	6,4	5,5	5,5	M25	T4	135 °C
680	437	MVE 3800/1	MVE 3800/12	3.799	3.517	216	195	2,5	3,0	4,7	4,9	5,9	6,0	M32	T4	135 °C
838	584	MVE 4700/1	MVE 4700/12	4.681	4.697	231	212	3,2	3,9	6,5	6,0	5,5	5,7	M32	T4	135 °C
930	655	MVE 5200/1	MVE 5200/12	5.192	5.263	280	264	3,8	4,0	6,9	6,4	5,5	5,5	M32	T4	135 °C
1165	824	MVE 6500/1	MVE 6500/12	6.506	6.625	304	281	4,3	5,0	7,8	7,8	6,2	6,0	M32	T4	135 °C
								A max. (Δ)								
1.436	930	MVE 8000/1	MVE 8000/12	8.018	7.476	325	290	7,1	7,5	12,6	11,6	6,0	6,2	M32	T4	135 °C
1600	1.165	MVE 9000/1	MVE 9000/12	8.936	9.369	338	308	7,5	8,3	13,2	12,6	6,3	6,2	M32	T4	135 °C
1.788	1.240	MVE 10000/1	MVE 10000/12	9.986	9.970	386	359	7,6	8,0	13,5	12,7	6,4	6,4	M32	T4	135 °C
2.330	1.647	MVE 13000/1	MVE 13000/12	13.009	13.246	422	376	10,0	10,0	17,0	16,0	6,2	6,3	M32	T4	135 °C
2.253	1.550	MVE 12000/1	MVE 12000/12	12.580	12.466	522	476	8,0	9,5	15,0	15,0	5,0	5,5	M32	-	135 °C
2.634	1.856	MVE 15000/1	MVE 15000/12	14.706	14.923	672	630	10,1	12,0	18,0	18,0	5,8	5,8	M32	-	135 °C
3.220	2.147	MVE 17500/1	MVE 17500/12	17.980	17.264	744	684	11,9	14,2	21,0	21,0	5,6	5,9	M32	-	135 °C
3.632	2.525	MVE 19500/1	MVE 19500/12	20.285	20.299	768	728	12,0	14,5	24,0	24,0	5,4	5,6	M32	-	135 °C
4.067	2.622	MVE 22000/1	MVE 22000/12	22.711	21.079	916	868	13,9	17,0	28,0	28,0	4,8	5,3	M32	-	135 °C
4.572	3.163	MVE 25000/1	MVE 25000/12	25.532	25.432	994	937	13,9	17,0	28,0	28,0	4,8	5,3	M32	-	135 °C



BIS ZUR GRÖSSE 60 (NICHT EINGESCHLOSSEN)
60Hz Masse = 50Hz Massen auf 70% angepasst



AB GRÖSSE 60 (EINSCHLIESSLICH)
Spezifische Massen für 60Hz

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$

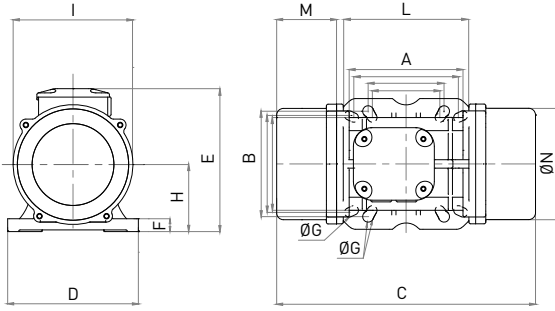


» Konformitätserklärung "Typ B" gemäß:
2014/35/UE - 2006/42/EG - EN 60034-1

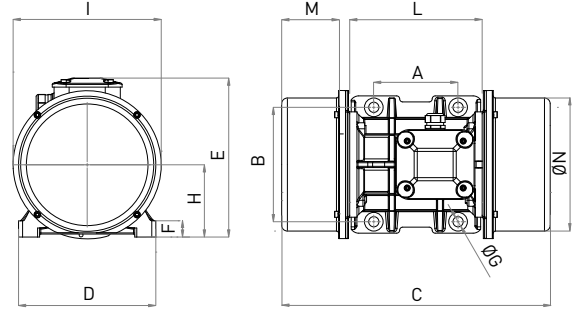


» Klasse II Div.2 Gruppe F, G - T4 -
» Entspricht den Anforderungen von UL 1836, UL1004-1 Zert. CSA C22.2.
Nr. 25, 100, 145
» NEMA 4*
* Ausgenommen MVEs der Gehäusegröße 100 - 110

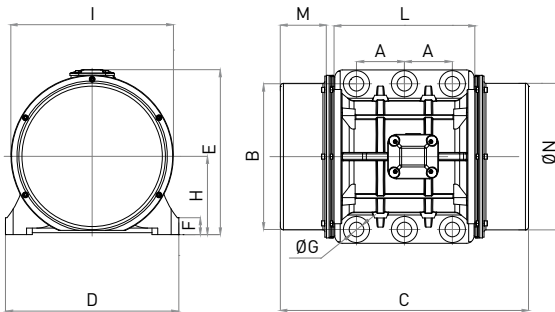
C



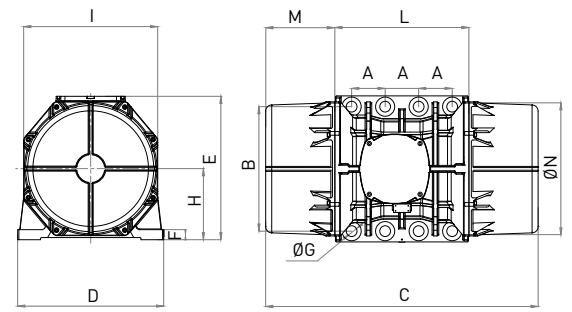
D



E



H



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung	Größe	C		M		A	B	ØG	Bohrungen	D	E	F	H	I	L	N
50Hz	60Hz			50Hz	60Hz	Nr.												
				Variables Lochbild														
MVE 50/1	MVE 50/12	C	30	273	55	80	110	11	4	154	175	15	79	142	163	131		
MVE 100/1	MVE 100/12	C	30	303	70	90	125	13	4	154	175	15	79	142	163	131		
MVE 200/1	MVE 200/12	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158		
MVE 300/1	MVE 300/12	D	50	391	93	120	170	17	4	208	210	22	94	180	205	170		
MVE 500/1	MVE 500/12	D	50	451	123	120	170	17	4	208	210	22	94	180	205	170		
MVE 510/1	MVE 510/12	D	50	451	123	120	170	17	4	208	210	22	94	180	205	170		
MVE 800/1	MVE 800/12	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222		
MVE 1100/1	MVE 1100/12	D	60	510	446	129	96	140	190	17	4	229	262	30	120	247	220	222
MVE 1500/1	MVE 1500/12	D	60	562	510	154	129	140	190	17	4	229	262	30	120	247	220	222
MVE 1600/1	MVE 1600/12	D	70	556	522	140	123	155	225	22	4	272	295	40	140	267	250	235
MVE 2100/1	MVE 2100/12	D	70	616	556	170	140	155	225	22	4	272	295	40	140	267	250	235
MVE 2600/1	MVE 2600/12	D	75	708	588	200	140	155	255	23.5	4	302	318	35	147	295	273	264
MVE 3000/1	MVE 3000/12	D	75	708	608	200	150	155	255	23.5	4	302	318	35	147	295	273	264
MVE 5210/1	MVE 5210/12	E	78	794	242	105	248	22	6	300	335	30	163	305	310	284		
MVE 3800/1	MVE 3800/12	D	80	683	603	170	130	180	280	26	4	332	360	37	167	345	304	310
MVE 4700/1	MVE 4700/12	D	80	733	683	195	170	180	280	26	4	332	360	37	167	345	304	310
MVE 5200/1	MVE 5200/12	D	85	688	605	160	120	200	320	28	4	378	411	49	200	424	325	378
MVE 6500/1	MVE 6500/12	D	85	688	160	200	320	28	4	378	411	49	200	424	325	378		
MVE 8000/1	MVE 8000/12	D	85	788	688	210	160	200	320	28	4	378	411	49	200	424	325	378
MVE 9000/1	MVE 9000/12	D	85	788	688	210	160	200	320	28	4	378	411	49	200	424	325	378
MVE 10000/1	MVE 10000/12	E	90	826	210	125	380	39	6	452	430	44	204	422	367	378		
MVE 13000/1	MVE 13000/12	E	90	926	826	260	210	125	380	39	6	452	430	44	204	422	367	378
MVE 12000/1	MVE 12000/12	E	100	1,020	275	140	440	45	6	530	484	37	232	446	470	424		
MVE 15000/1	MVE 15000/12	H	105	980	210	140	480	45	8	570	542	48	268	510	560	490		
MVE 17500/1	MVE 17500/12	H	105	1,060	250	140	480	45	8	570	542	48	268	510	560	490		
MVE 19500/1	MVE 19500/12	H	105	1,060	250	140	480	45	8	570	542	48	268	510	560	490		
MVE 22000/1	MVE 22000/12	H	110	1,130	285	140	520	45	8	610	594	42	297	560	560	530		
MVE 25000/1	MVE 25000/12	H	110	1,130	285	140	520	45	8	610	594	42	297	560	560	530		

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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STANDARD

ERHÖHTE SICHERHEIT

FÜR MÜHLEN



- » II3D Ex tc IIIC Tx IP66
- » Ausrüstung und Sicherheitseinrichtungen für den Gebrauch in potentiell explosionsfähigen Atmosphären (Bereich 22) - Richtlinie 2014/34/UE
- » Übereinstimmung mit den wichtigsten Gesundheits- und Sicherheitsanforderungen
- » IEC 60079-10-2



MVE STANDARDREIHE



8 POLE - 750/900 rpm



*1



*2

*1 Bild bezieht sich auf Größe 110

*2 Bild bezieht sich auf Größe 40

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN						ZERTIFIKAT		
								Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Klasse II Div.2	II3D
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Metrik	Temp. Klasse			
33		MVE 150/075	MVE 150/090	105	151	21		0,2	0,2	1,1	1,1	1,5	1,5	M20	T4	100 °C
57		MVE 250/075	MVE 250/090	179	257	29		0,3	0,4	1,1	1,1	1,7	1,7	M20	T4	100 °C
84		MVE 400/075	MVE 400/090	264	380	35		0,3	0,4	1,1	1,1	1,9	1,9	M20	T4	100 °C
137		MVE 650/075	MVE 650/090	431	621	65		0,5	0,6	1,2	1,2	2,2	2,2	M25	T4	135 °C
188		MVE 900/075	MVE 900/090	589	849	71		0,6	0,8	1,2	1,3	2,5	2,5	M25	T4	135 °C
300		MVE 1300/075	MVE 1300/090	941	1.355	100		1,2	1,1	2,5	1,8	3,0	3,0	M25	T4	135 °C
467		MVE 2100/075	MVE 2100/090	1.468	2.114	150		1,5	1,8	2,8	2,9	4,2	4,1	M32	T4	135 °C
680		MVE 3100/075	MVE 3100/090	2.137	3.077	212		2,0	2,3	3,8	3,8	4,0	4,0	M32	T4	135 °C
838		MVE 3800/075	MVE 3800/090	2.633	3.792	230		2,5	3,0	6,0	6,0	3,9	4,0	M32	T4	135 °C
930		MVE 4200/075	MVE 4200/090	2.920	4.205	284		2,9	3,4	6,5	6,5	3,8	3,7	M32	T4	135 °C
1.165		MVE 5300/075	MVE 5300/090	3.660	5.270	305		4,0	4,3	8,5	8,0	3,8	4,2	M32	T4	135 °C
1.436		MVE 6500/075	MVE 6500/090	4.510	6.494	324		5,0	5,9	10,0	10,0	3,6	4,0	M32	T4	135 °C
								A max. (Δ)								
2.200		MVE 10000/075	MVE 10000/090	6.911	9.952	422		6,8	7,5	13,5	12,5	3,5	4,2	M32	T4	135 °C
2.835	2.553	MVE 12000/075	MVE 12000/090	8.904	11.546	571	553	7,5	8,0	13,5	13,5	3,8	4,0	M32	-	135 °C
3.713	3.220	MVE 14000/075	MVE 14000/090	11.661	14.563	751	725	9,0	10,6	19,0	19,0	4,5	5,0	M32	-	135 °C
4.401	3.920	MVE 17000/075	MVE 17000/090	13.822	17.729	812	792	9,1	11,0	20,0	20,0	5,3	5,8	M32	-	135 °C
5.857	4.999	MVE 22000/075	MVE 22000/090	18.395	22.610	982	937	13,8	16,5	28,0	28,0	5,6	5,2	M32	-	135 °C
-	5.857	NA	MVE 26000/090	-	26.489	-	982	-	16,5	-	28,0	-	5,2	M32	-	135 °C



UP TO SIZE 90 (INCLUDED)
60Hz masses = 50Hz masses adjusted at 100%



ABOVE SIZE 90 (NOT INCLUDED)
Specific masses for 60Hz

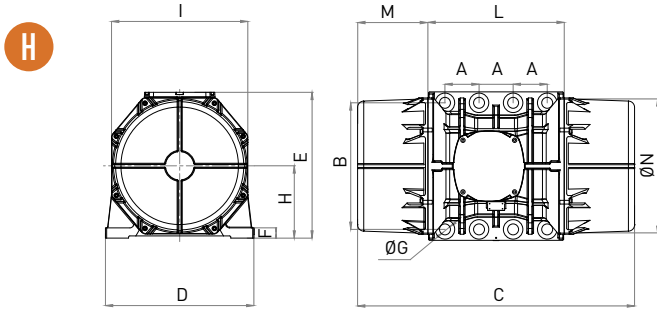
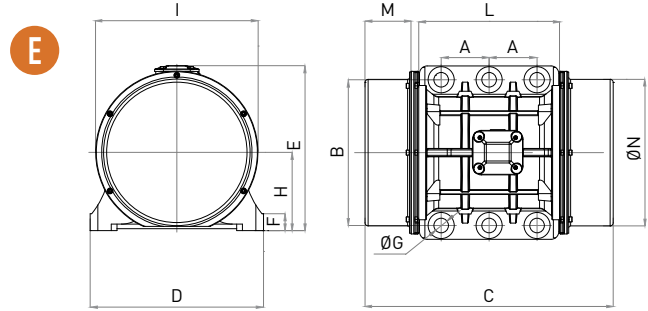
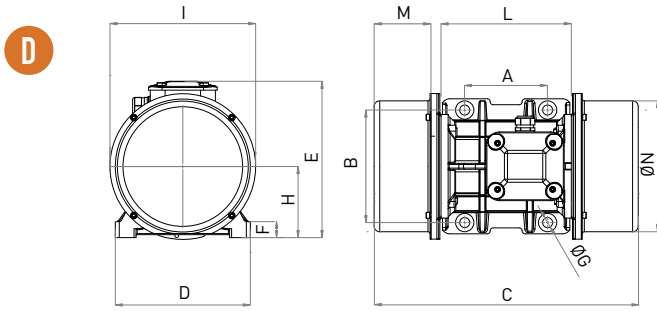
Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



» Konformitätserklärung "Typ B" gemäß:
2014/35/UE - 2006/42/EG - EN 60034-1



» Klasse II Div.2 Gruppe F, G - T4 -
» Entspricht den Anforderungen von UL 1836, UL1004-1 Zert. CSA C22.2
Nr. 25, 100, 145
» NEMA 4*
* Ausgenommen MVEs der Gehäusegröße 100 - 110



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung	Größe	C		M		A	B	ØG	Bohrungen Nr.	D	E	F	H	I	L	N
50Hz	60Hz			50Hz	60Hz													
MVE 150/075	MVE 150/090			D	40	334	78	105	140	13	4	168	196	22	92	169	178	158
MVE 250/075	MVE 250/090	D	50	391	93	120	170	17	4	208	210	22	94	180	205	170		
MVE 400/075	MVE 400/090	D	50	451	123	120	170	17	4	208	210	22	94	180	205	170		
MVE 650/075	MVE 650/090	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222		
MVE 900/075	MVE 900/090	D	60	510	129	140	190	17	4	229	262	30	120	247	220	222		
MVE 1300/075	MVE 1300/090	D	70	556	140	155	225	22	4	272	295	40	140	267	250	235		
MVE 2100/075	MVE 2100/090	D	75	708	200	155	255	23.5	4	302	318	35	147	295	273	264		
MVE 3100/075	MVE 3100/090	D	80	683	170	180	280	26	4	332	360	37	167	345	304	310		
MVE 3800/075	MVE 3800/090	D	80	733	195	180	280	26	4	332	360	37	167	345	304	310		
MVE 4200/075	MVE 4200/090	D	85	688	160	200	320	28	4	378	410	49	199	422	325	378		
MVE 5300/075	MVE 5300/090	D	85	688	160	200	320	28	4	378	410	49	199	422	325	378		
MVE 6500/075	MVE 6500/090	D	85	788	210	200	320	28	4	378	410	49	199	422	325	378		
MVE 10000/075	MVE 10000/090	E	90	926	260	125	380	39	6	452	430	44	204	422	367	378		
MVE 12000/075	MVE 12000/090	E	100	1,020	275	140	440	45	6	530	484	37	232	446	470	424		
MVE 14000/075	MVE 14000/090	H	105	1,060	250	140	480	45	8	570	542	48	268	510	560	490		
MVE 17000/075	MVE 17000/090	H	105	1,120	280	140	480	45	8	570	542	48	268	510	560	490		
MVE 22000/075	MVE 22000/090	H	110	1,130	285	140	520	45	8	610	594	42	297	560	560	530		
NA	MVE 26000/090	H	110	1,130	285	140	520	45	8	610	594	42	297	560	560	530		

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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STANDARD

ERHÖHTE SICHERHEIT

EXPLOSIONSGESCHÜTZT

FÜR MÜHLEN



- » II3D Ex tc IIIC Tx IP66
- » Ausrüstung und Sicherheitseinrichtungen für den Gebrauch in potentiell explosionsfähigen Atmosphären (Bereich 22)- Richtlinie 2014/34/UE
- » Übereinstimmung mit den wichtigsten Gesundheits- und Sicherheitsanforderungen
- » IEC 60079-10-2



MVE STANDARDREIHE



2 POLE EINPHASIG – 3000/3600 rpm



*1

*1 Bild bezieht sich auf Größe 20

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN								ZERTIFIKAT		
								Eingangsleistung (kW)		Nennstrom A max		Ia / In		Kabeldurch- führung	Kondensator*		Klasse II Div.2	Ex II3D
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Metrik	50Hz (230V)		60Hz (115V)	Temp. Klasse		
1	1	MVE 60/3M		66	71	4		0,1	0,1	0,4	3,0	3,0	3,0	M16	3 µF	6,3 µF	T4	100 °C
2	1	MVE 100/3M		98	95	5		0,1	0,1	0,5	3,0	3,0	3,0	M16	4 µF	8 µF	T4	100 °C
4	3	MVE 200/3M		187	189	7		0,2	0,2	1,1	3,3	3,3	3,3	M20	8 µF	16 µF	T4	100 °C
4	3	MVE 202/3M		187	189	7		0,2	0,2	1,1	3,3	3,3	3,3	M20	8 µF	16 µF	T4	100 °C
6	4	MVE 300/3M		321	323	10		0,3	0,3	1,6	3,5	3,6	3,5	M20	12,5 µF	25 µF	T4	100 °C

* HINWEIS: Der Kondensator wird nicht mit dem Vibrator mitgeliefert (sondern muss gesondert bestellt werden)

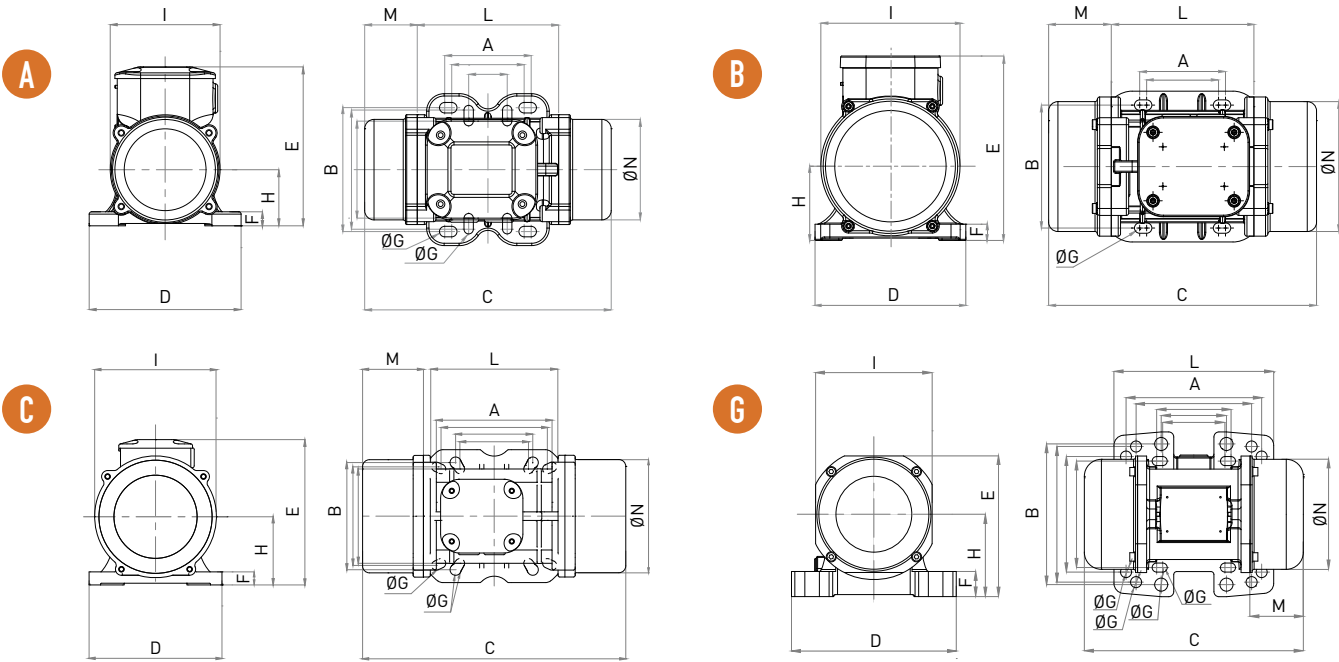
Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



» Konformitätserklärung "Typ B" gemäß:
2014/35/UE - 2006/42/EG - EN 60034-1



» Klasse II Div.2 Gruppe F, G - T4 -
» Entspricht den Anforderungen von UL 1836, UL1004-1 Zert. CSA C22.2
Nr. 25, 100, 145
» NEMA 4*
* Ausgenommen MVEs der Gehäusegröße 100 - 110



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell	Zeichnung	Größe	ABMESSUNGEN-SPEZIFIKATIONEN (mm)															
			C		M		A	B	ØG	Bohrungen	D	E	F	H	I	L	N	
			50Hz	60Hz	50Hz	60Hz				Nr.								
MVE 60/3M	A	10	211	45	Variables Lochbild 62-74 106 9			4	130	136	12	48	94	121	85			
MVE 100/3M	A	10	211	45	33 83-102 7			4	130	136	12	48	94	121	85			
MVE 200/3M	B	20	231	54	62-74	106	9	4	131	159	15	64	121	123	112			
MVE 202/3M	G	23	218	53	Variables Lochbild 62-74 106 9			4	164	140	25	82	116	159	110			
					65	140	13											
					115	135	11											
					135	115	11											
MVE 300/3M	C	30	273	55	Variables Lochbild			4	154	175	15	79	142	163	131			
					80	110	11											
					90	125	13											
					124	110	11											

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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STANDARD

ERHÖHTE SICHERHEIT

EXPLOSIONSGESCHÜTZT

FÜR MÜHLEN



- » II3D Ex tc IIIC Tx IP66
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- » Übereinstimmung mit den wichtigsten Gesundheits- und Sicherheitsanforderungen
- » IEC 60079-10-2



MVE STANDARDREIHE



MICRO - 3000/3600 rpm



DREIPHASIG

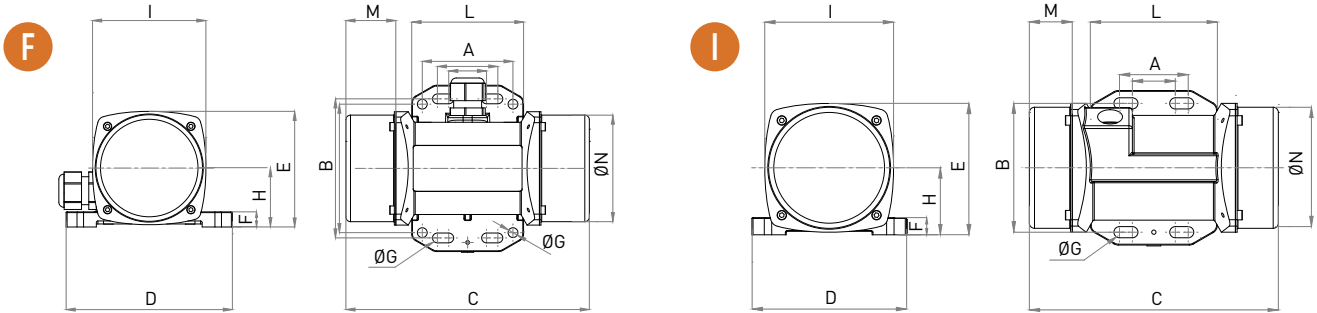
Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN					ZERTIFIKAT		
								Eingangsleistung (kW)		Nennstrom A max			Kabeldurchführung	Für 60 Hz	Für 50Hz
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (230V)	50Hz (400V)	60Hz (460V)	Metrik	Klasse II Div.2 Temp. Klasse		II3D Temp. Klasse	
0,4	0,4	MICRO 21		20	29	2		0,04	0,04	0,2	0,1	0,1	M16	T4	100 °C
1	1	MICRO 41		45	65	2		0,1	0,1	0,3	0,2	0,2	M16	T4	100 °C

EINPHASIG

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN					ZERTIFIKAT	
								Eingangsleistung (kW)		Nennstrom A max		Kabeldurchführung	Für 60 Hz	Für 50Hz
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (230V)	60Hz (115V)	Metrik	Klasse II Div.2 Temp. Klasse		II3D Temp. Klasse	
0,1	0,1	MICRO 3 M		4	6	1,6		0,03	0,04	0,3	0,8	M16	T4	100 °C
0,1	0,1	MICRO 6 M		6	9	1,6		0,03	0,04	0,3	0,8	M16	T4	100 °C
0,4	0,4	MICRO 21 M		20	29	2		0,04	0,1	0,2	0,8	M16	T4	100 °C
1	1	MICRO 41 M		45	65	2,4		0,05	0,1	0,2	0,8	M16	T4	100 °C

* HINWEIS: Kondensator im Kabel integriert

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



Modell		Zeichnung	ABMESSUNGEN-SPEZIFIKATIONEN (mm)												
			C	M	A	B	Ø G	Bohrungen	D	E	F	H	I	L	N
50Hz	60Hz		50Hz	50Hz	Variables Lochbild			Nr.							
MICRO 21/3		F	145	25	25-40	92	6.5	4	110	76	10	39	75	74	70
					60	85	6.5								
MICRO 41/3		F	161	33	Variables Lochbild			4	110	76	10	39	75	74	70
					25-40	92	6.5								
					60	85	6.5								

Modell		Zeichnung	ABMESSUNGEN-SPEZIFIKATIONEN (mm)												
			C	M	A	B	Ø G	Bohrungen	D	E	F	H	I	L	N
50Hz	60Hz		50Hz	50Hz	Variables Lochbild			Nr.							
MICRO 3/3 M		F	145	25	25-40	92	6.5	4	110	76	10	39	75	74	70
					60	85	6.5								
MICRO 6/3 M		I	145	25	25-40	75	6.5	4	90	76	10	39	75	74	70
					-	-	-								
MICRO 21/3 M		F	145	25	25-40	92	6.5	4	110	76	10	39	75	74	70
					60	85	6.5								
MICRO 41/3 M		F	161	25	Variables Lochbild			4	110	76	10	39	75	74	70
					25-40	92	6.5								
					60	85	6.5								

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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MVE STANDARDREIHE



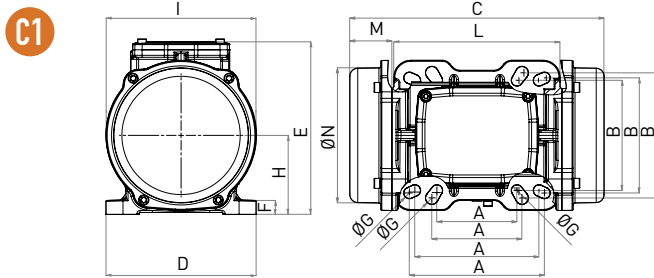
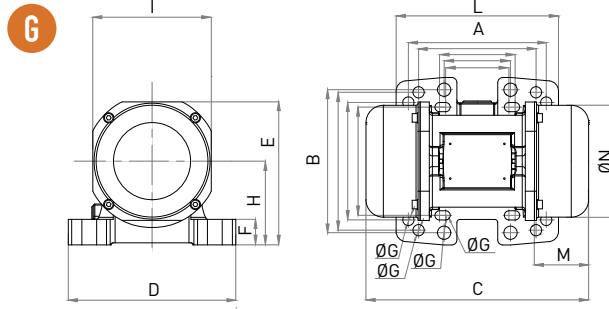
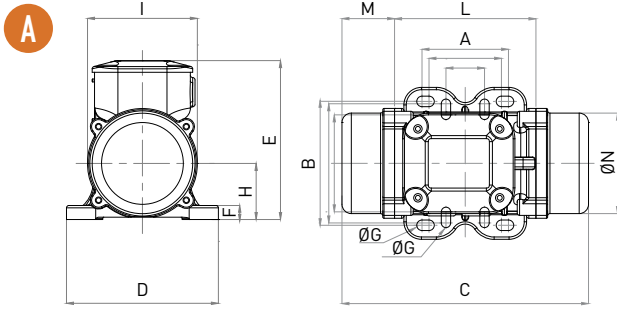
DC GLEICHSTROM – 3000 rpm



* Bild bezieht sich auf Größe 23

Wm (kgcm)	Modell	rpm	Zentrifugalkraft (kg)	Gewicht (kg)	ELEKTRISCHE SPEZIFIKATIONEN			ZERTIFIKAT
					Eingangsleistung (kW)	Nennstrom A max	Kabeldurchführung	II3D
1	MVE 50 DC 12	3.000	50	4,4	0,1	6,6	M16	100 °C
1	MVE 50 DC 24	3.000	50	4,4	0,2	3,3	M16	100 °C
2	MVE 120 DC 12	3.000	117	7,2	0,1	9,6	M20	100 °C
2	MVE 120 DC 24	3.000	117	7,2	0,1	4,8	M20	100 °C
4	MVE 202 DC 12	3.000	200	7,2	0,2	13,3	M20	100 °C
4	MVE 202 DC 24	3.000	200	7,2	0,2	6,7	M20	100 °C
10	MVE 500 DC 24	3.000	530	15,8	0,3	11,0	M20	100 °C
22	MVE 1500 DC 24	3.000	1.616	21,6	0,5	21,5	M20	100 °C

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell	Zeichnung	Größe	C	M	A	B	Ø G	Bohrungen	D	E	F	H	I	L	N
								Nr.							
MVE 50 DC 12	A	10	211	45	Variables Lochbild		4	4	130	136	12	48	94	121	85
				62-74	106	9									
MVE 50 DC 24	A	10	211	45	33	83-102	7	4	130	136	12	48	94	121	85
MVE 120 DC 12	G	23	218	53	Variables Lochbild		4	4	164	140	25	82	116	159	110
				62-74	106	9									
MVE 120 DC 24	G	23	218	53	65	140	13	4	164	140	25	82	116	159	110
MVE 202 DC 12	G	23	218	53	115	135	11	4	164	140	25	82	116	159	110
MVE 202 DC 24	G	23	218	53	135	115	11	4	164	140	25	82	116	159	110
MVE 500 DC 24	C1	40	330	78	105	140	13	4	170	195	15	92	174	174	160
MVE 1500 DC 24	C1	50	321	62	120	170	18	4	208	209	18	96	184	198	169

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

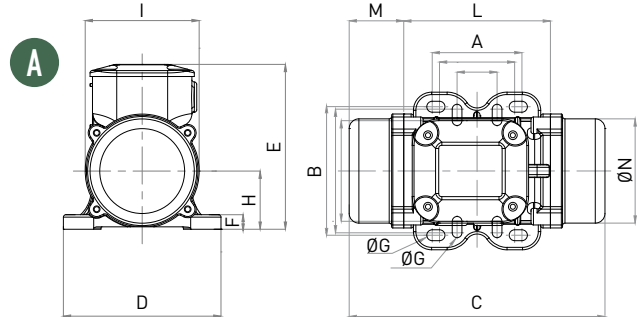
Diese Information wird ohne Garantie, Repräsentation, Anlass oder Lizenz gegeben. Angaben wurden nach bestem Wissen von OLI gemacht oder anderen, für vertrauenswürdig gehaltenen, Quellen entnommen. Deswegen übernimmt OLI für diese Angaben.



MVE-E ERHÖHTE SICHERHEIT



2 POLE - 3000/3600 rpm



* Bild bezieht sich auf Größe 60

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN							ZERTIFIKAT	
								Eingangleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Temp. Klasse	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		Metrik	GAS
4	3	MVE 200/3E	MVE 200/36E	187	189	7		0,2	0,2	0,3	0,3	3,3	3,3	M20	T3	150 °C
4	3	MVE 202/3E	MVE 202/36E	187	189	7		0,2	0,2	0,3	0,3	3,3	3,3	M20	T3	150 °C
6	4	MVE 300/3E	MVE 300/36E	321	323	10		0,3	0,3	0,5	0,4	3,6	3,5	M20	T3	150 °C
8	6	MVE 400/3E	MVE 400/36E	407	411	10		0,3	0,4	0,6	0,6	3,5	3,5	M20	T3	150 °C
10	7	MVE 500/3E	MVE 500/36E	530	534	16		0,5	0,6	1,0	1,0	4,0	4,2	M20	T3	150 °C
15	11	MVE 700/3E	MVE 700/36E	758	765	16		0,7	0,7	1,2	1,2	4,3	5,0	M20	T3	150 °C
16	11	MVE 800/3E	MVE 800/36E	794	800	21		0,7	0,9	1,4	1,5	3,8	3,8	M20	T3	150 °C
22	16	MVE 1200/3E	MVE 1200/36E	1.005	1.013	22		0,9	1,1	1,8	1,9	4,4	4,5	M20	T3	150 °C
20	14	MVE 1300/3E	MVE 1300/36E	1.355	1.365	22		1,3	1,4	2,4	2,2	5,2	5,0	M20	T3	150 °C
27	19	MVE 1301/3E	MVE 1301/36E	1.355	1.365	34		1,3	1,4	2,4	2,2	5,2	5,0	M20	T3	150 °C
27	19	MVE 1310/3E	MVE 1310/36E	1.123	1.616	34		1,3	1,4	2,4	2,2	5,2	5,0	M20	T3	150 °C
31	22	MVE 1600/3E	MVE 1600/36E	1.601	1.608	52	51	1,6	1,6	2,9	2,6	5,9	6,2	M25	T3	150 °C
37	28	MVE 2000/3E	MVE 2000/36E	2.027	1.997	53	52	2,0	2,1	3,7	3,4	6,5	6,4	M25	T3	150 °C
46	32	MVE 2300/3E	MVE 2300/36E	2.302	2.306	54	52	2,4	2,4	4,4	3,9	6,0	6,3	M25	T3	150 °C
68	44	MVE 3200/3E	MVE 3200/36E	3.252	3.176	103	101	2,9	2,9	5,3	4,6	8,3	8,2	M32	T3	150 °C
79	56	MVE 4000/3E	MVE 4000/36E	4.033	4.052	107	104	2,9	2,9	5,3	4,6	8,5	9,7	M32	T3	150 °C

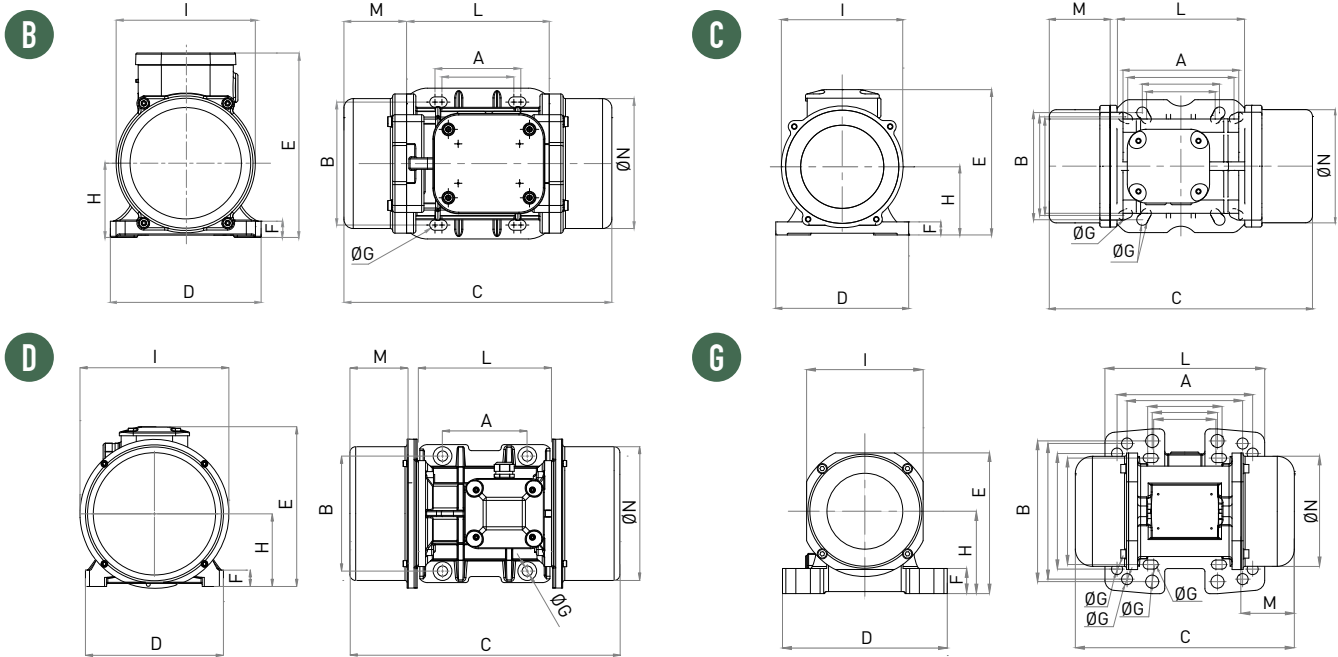


BIS ZUR GRÖSSE 60 (NICHT EINGESCHLOSSEN)
 60Hz Massen= 50Hz Massen auf 70% angepasst



AB GRÖSSE 60 (EINSCHLIESSLICH)
 Spezifische Massen für 60Hz

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung bezeichnung	Größe	C		M		A	B	ØG	Bohrungen Nr.	D	E	F	H	I	L	N								
50Hz	60Hz			50Hz	60Hz																					
MVE 200/3E	MVE 200/36E	B	20	231	54	62-74	106	9	4	131	159	15	64	121	123	112										
MVE 202/3E	MVE 202/36E	G	23	218	53	Variables Lochbild 62-74 106 9			4	164	140	25	82	116	159	110										
MVE 300/3E	MVE 300/36E	C	30	253	45	Variables Lochbild 80 110 11			4	154	175	15	79	142	163	131										
MVE 400/3E	MVE 400/36E	C	30	273	55	Variables Lochbild 90 125 13											4	154	175	15	79	142	163	131		
						Variables Lochbild 124 110 11																				
						Variables Lochbild 135 115 11																				
MVE 500/3E	MVE 500/36E	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158										
MVE 700/3E	MVE 700/36E	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158										
MVE 800/3E	MVE 800/36E	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170										
MVE 1200/3E	MVE 1200/36E	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170										
MVE 1300/3E	MVE 1300/36E	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170										
MVE 1301/3E	MVE 1301/36E	D	53	321	58	100	180	17	4	236	210	26	98	180	205	170										
MVE 1310/3E	MVE 1310/36E	D	55	321	58	100	200	17	4	236	210	26	98	180	205	170										
MVE 1600/3E	MVE 1600/36E	D	60	418	83	140	190	17	4	229	262	30	120	247	220	222										
MVE 2000/3E	MVE 2000/36E	D	60	418	83	140	190	17	4	229	262	30	120	247	220	222										
MVE 2300/3E	MVE 2300/36E	D	60	418	83	140	190	17	4	229	262	30	120	247	220	222										
MVE 3200/3E	MVE 3200/36E	D	75	538	115	155	255	25	4	302	318	35	147	295	273	264										
MVE 4000/3E	MVE 4000/36E	D	75	538	115	155	255	25	4	302	318	35	147	295	273	264										

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

Diese Information wird ohne Garantie, Repräsentation, Anlass oder Lizenz gegeben. Angaben wurden nach bestem Wissen von OLI gemacht oder anderen, für vertrauenswürdig gehaltenen, Quellen entnommen. Deswegen übernimmt OLI für diese Angaben.

STANDARD

EXPLOSIONSGESCHÜTZT ERHÖHTE SICHERHEIT

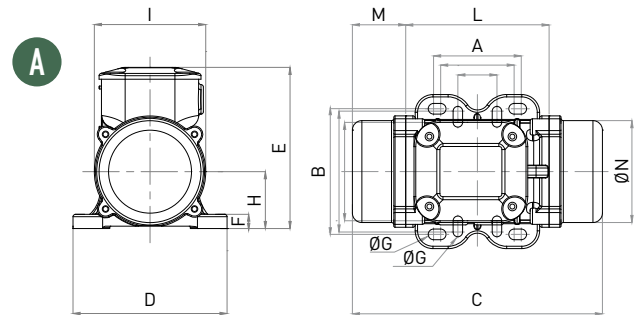
FÜR MÜHLEN



MVE-E ERHÖHTE SICHERHEIT



4 POLE - 1500/1800 rpm



* Bild bezieht sich auf Größe 78

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN				ZERTIFIKAT				
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangleistung (kW)	Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Temp. Klasse		
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	GAS	STAUB
15	11	MVE 200/15E	MVE 200/18E	194	196	12		0,2	0,2	0,5	0,5	2,0	2,0	M20	T3	150 °C
33	23	MVE 400/15E	MVE 400/18E	420	423	19		0,3	0,3	0,8	0,9	2,5	2,5	M20	T3	150 °C
40	28	MVE 500/15E	MVE 500/18E	504	508	21		0,3	0,4	1,1	1,1	2,8	2,7	M20	T3	150 °C
27	19	MVE 300/15E	MVE 300/18E	334	336	22		0,6	0,7	1,3	1,4	3,0	3,2	M20	T3	150 °C
57	39	MVE 700/15E	MVE 700/18E	714	712	27		0,6	0,7	1,3	1,4	3,0	3,2	M20	T3	150 °C
89	62	MVE 1100/15E	MVE 1100/18E	1.114	1.122	36	28	0,6	0,8	1,5	1,7	3,8	3,8	M20	T3	150 °C
108	77	MVE 1400/15E	MVE 1400/18E	1.364	1.388	60	58	0,9	1,1	1,7	1,8	4,0	4,0	M25	T3	150 °C
137	92	MVE 1700/15E	MVE 1700/18E	1.725	1.664	62	59	1,1	1,3	2,2	2,1	4,7	4,5	M25	T3	150 °C
188	137	MVE 2400/15E	MVE 2400/18E	2.358	2.485	68	62	1,6	1,9	3,0	3,2	4,9	4,9	M25	T3	150 °C
203	136	MVE 2500/15E	MVE 2500/18E	2.557	2.454	90	84	1,8	2,0	3,4	3,4	6,0	6,1	M25	T3	150 °C
249	170	MVE 3000/15E	MVE 3000/18E	3.124	3.071	97	87	1,9	2,3	3,7	3,8	6,5	6,6	M25	T3	150 °C
307	205	MVE 3800/15E	MVE 3800/18E	3.853	3.704	130	118	2,2	2,6	4,1	4,1	6,8	6,8	M32	T3	150 °C
343	241	MVE 4300/15E	MVE 4300/18E	4.312	4.359	134	124	2,5	3,0	5,7	5,8	7,0	7,2	M32	T3	150 °C
437	304	MVE 5500/15E	MVE 5500/18E	5.495	5.495	192	190	3,6	3,4	6,5	6,6	7,1	7,0	M32	T3	150 °C
								A max. (Δ)								
577	397	MVE 7200/15E	MVE 7200/18E	7.246	7.188	253	247	5,0	6,0	9,6	9,4	6,8	6,9	M32	T3	150 °C
718	499	MVE 9000/15E	MVE 9000/18E	9.020	9.023	269	258	7,5	8,5	12,0	12,0	7,0	7,0	M32	T3	150 °C
800	588	MVE 10000/15E	MVE 10000/18E	10.052	10.643	312	297	7,8	9,4	13,0	13,0	6,5	6,4	M32	T3	150 °C
939	655	MVE 11500/15E	MVE 11500/18E	11.779	11.853	445	422	9,0	10,5	15,5	15,5	7,0	7,0	M32	-	150 °C
1.142	838	MVE 14500/15E	MVE 14500/18E	14.352	15.153	460	442	11,5	13,0	18,5	18,5	8,0	8,0	M32	-	150 °C

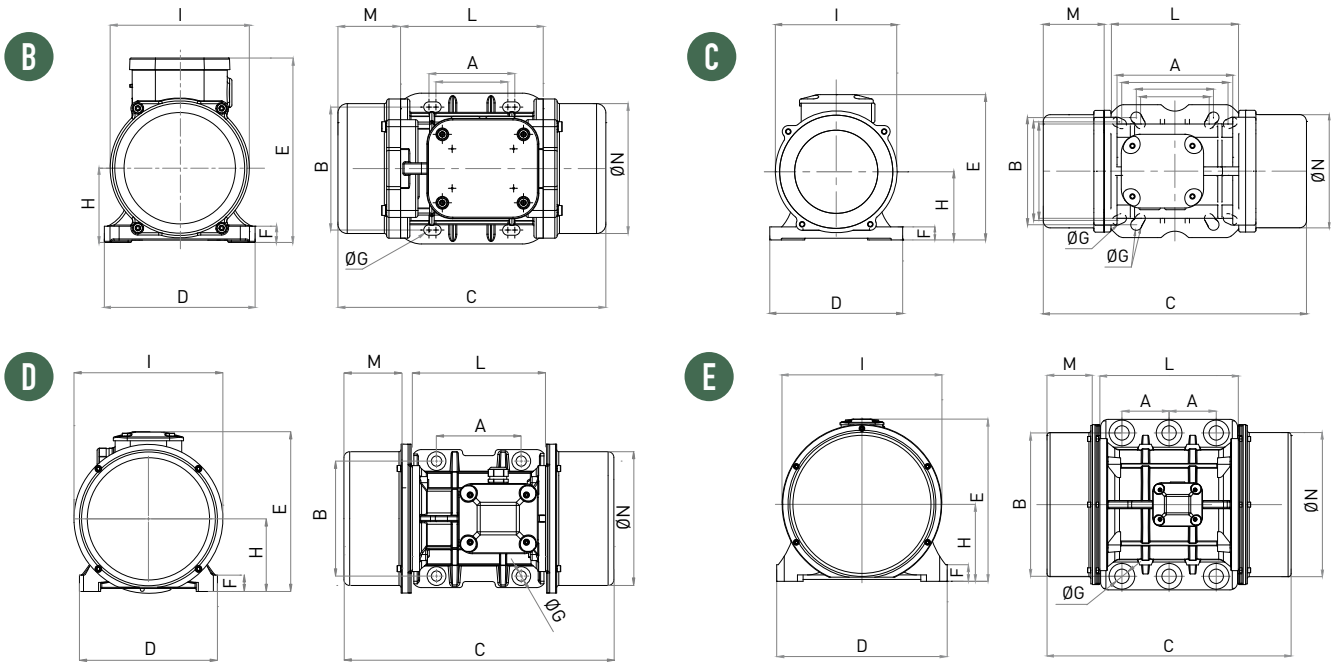


BIS ZUR GRÖSSE 60 (NICHT EINGESCHLOSSEN)
 60Hz Massen= 50Hz Massen auf 70% angepasst
 Ausgenommen Modell MVE 1100/15 - MVE 1100/18



AB GRÖSSE 60 (EINSCHLIESSLICH)
 Spezifische Massen für 60Hz

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung bezeichnung	Größe	C		M		A	B	ØG	Bohrungen Nr.	D	E	F	H	I	L	N	
50Hz	60Hz			50Hz	60Hz														
MVE 200/15	MVE 200/18	C	30	273	55	Variables Lochbild			4	154	175	15	79	142	163	131	158	158	
						80	110	11											
						90	125	13											
						124	110	11											
MVE 400/15E	MVE 400/18E	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158	158	158	
MVE 500/15E	MVE 500/18E	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158	158	158	
MVE 300/15E	MVE 300/18E	D	50	321	58	120	170	17	4	208	210	22	94	180	205	170	170	170	
MVE 700/15E	MVE 700/18E	D	50	391	93	120	170	17	4	208	210	22	94	180	205	170	170	170	
MVE 1100/15E	MVE 1100/18E	D	50	451	391	123	93	120	170	17	4	208	210	22	94	180	205	170	170
MVE 1400/15E	MVE 1400/18E	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222	222	222	
MVE 1700/15E	MVE 1700/18E	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222	222	222	
MVE 2400/15E	MVE 2400/18E	D	60	510	446	129	96	140	190	17	4	229	262	30	120	247	220	222	222
MVE 2500/15E	MVE 2500/18E	D	70	522	486	123	105	155	225	22	4	272	295	40	140	267	250	235	235
MVE 3000/15E	MVE 3000/18E	D	70	556	486	123	105	155	225	22	4	272	295	40	140	267	250	235	235
MVE 3800/15E	MVE 3800/18E	D	75	588	538	140	115	155	255	23.5	4	302	318	35	147	295	273	264	264
MVE 4300/15E	MVE 4300/18E	D	75	588	140	155	255	23.5	4	302	318	35	147	295	273	264	264	264	
MVE 5500/15E	MVE 5500/18E	D	80	603	130	180	280	26	4	332	360	37	167	345	304	310	310	310	
MVE 7200/15E	MVE 7200/18E	D	85	608	120	200	320	28	4	378	411	49	200	424	325	378	378	378	
MVE 9000/15E	MVE 9000/18E	D	85	608	120	200	320	28	4	378	411	49	200	424	325	378	378	378	
MVE 10000/15E	MVE 10000/18E	E	90	726	646	160	120	125	380	39	6	452	430	44	204	422	367	378	378
MVE 11500/15E	MVE 11500/18E	E	100	890	210	140	440	45	6	530	484	37	232	446	470	424	424	424	
MVE 14500/15E	MVE 14500/18E	E	100	890	210	140	440	45	6	530	484	37	232	446	470	424	424	424	

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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STANDARD

ERHÖHTE SICHERHEIT

EXPLOSIONSGESCHÜTZT

FÜR MÜHLEN



MVE-E ERHÖHTE SICHERHEIT



6 POLE - 1000/1200 rpm



*1



*2

*1 Bild bezieht sich auf Größe 75

*2 Bild bezieht sich auf Größe 85

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN					ZERTIFIKAT			
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Temp. Klasse	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	GAS	STAUB
9	7	MVE 50/1E	MVE 50/12E	53	53	10		0,1	0,1	0,4	0,5	2,0	2,0	M20	T3	150 °C
19	13	MVE 100/1E	MVE 100/12E	105	106	1		0,1	0,1	0,4	0,5	2,0	2,0	M20	T3	150 °C
33	23	MVE 200/1E	MVE 200/12E	187	188	20		0,2	0,2	0,5	0,5	2,0	2,0	M20	T3	150 °C
57	40	MVE 300/1E	MVE 300/12E	318	320	27		0,3	0,4	0,7	0,6	2,5	2,5	M20	T3	150 °C
92	64	MVE 500/1E	MVE 500/12E	513	517	34		0,3	0,4	1,2	1,1	2,8	2,7	M20	T3	150 °C
92	92	MVE 510/1E	MVE 510/12E	513	739	34		0,3	0,4	1,2	1,1	2,8	2,7	M20	T3	150 °C
137	109	MVE 800/1E	MVE 800/12E	767	873	62	59	0,7	0,8	1,4	1,3	3,2	3,1	M25	T3	150 °C
188	137	MVE 1100/1E	MVE 1100/12E	1.048	1.104	79	73	0,7	0,8	1,4	1,3	3,2	3,1	M25	T3	150 °C
285	196	MVE 1500/1E	MVE 1500/12E	1.590	1.580	84	76	1,1	1,3	2,1	2,0	3,3	3,3	M25	T3	150 °C
300	203	MVE 1600/1E	MVE 1600/12E	1.673	1.636	100	89	1,1	1,3	2,8	3,2	3,7	3,6	M25	T3	150 °C
373	249	MVE 2100/1E	MVE 2100/12E	2.083	2.000	114	100	1,5	1,8	3,0	3,0	4,3	4,4	M25	T3	150 °C
467	307	MVE 2600/1E	MVE 2600/12E	2.610	2.466	147	131	2,0	2,1	3,6	3,4	4,8	4,8	M32	T3	150 °C
540	380	MVE 3000/1E	MVE 3000/12E	3.017	3.053	155	138	2,2	2,4	4,5	4,3	5,0	5,0	M32	T3	150 °C
940	658	MVE 5210/1E	MVE 5210/12E	5.237	5.290	225	191	3,8	4,0	6,9	6,4	5,5	5,5	M25	T3	150 °C
680	437	MVE 3800/1E	MVE 3800/12E	3.799	3.517	216	195	2,5	3,0	4,7	4,9	5,9	6,0	M32	T3	150 °C
838	584	MVE 4700/1E	MVE 4700/12E	4.681	4.697	231	212	3,2	3,9	6,5	6,0	5,5	5,7	M32	T3	150 °C
930	655	MVE 5200/1E	MVE 5200/12E	5.192	5.263	280	264	3,8	4,0	6,9	6,4	5,5	5,5	M32	T3	150 °C
1.165	824	MVE 6500/1E	MVE 6500/12E	6.506	6.625	304	281	4,3	5,0	7,8	7,8	6,2	6,0	M32	T3	150 °C
								A max. (Δ)								
1.436	930	MVE 8000/1E	MVE 8000/12E	8.018	7.476	325	290	7,1	7,5	12,6	11,6	6,0	6,2	M32	T3	150 °C
1.600	1.165	MVE 9000/1E	MVE 9000/12E	8.936	9.369	338	308	7,5	8,3	13,2	12,6	6,3	6,2	M32	T3	150 °C
1.788	1.240	MVE 10000/1E	MVE 10000/12E	9.986	9.970	386	359	7,6	8,0	13,5	12,7	6,4	6,4	M32	T3	150 °C
2.330	-	MVE 13000/1E	NA	13.009	-	422	-	10,0	-	17,0	-	6,2	-	M32	T3	150 °C



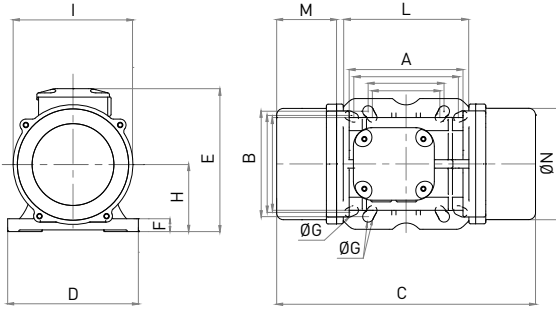
BIS ZUR GRÖSSE 60 (NICHT EINGESCHLOSSEN)
 60Hz Massen= 50Hz Massen auf 70% angepasst



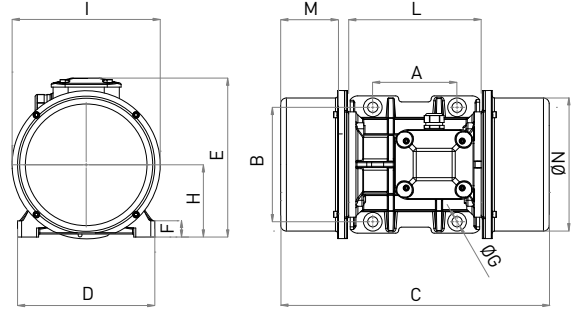
AB GRÖSSE 60 (EINSCHLIESSLICH)
 Spezifische Massen für 60Hz

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$

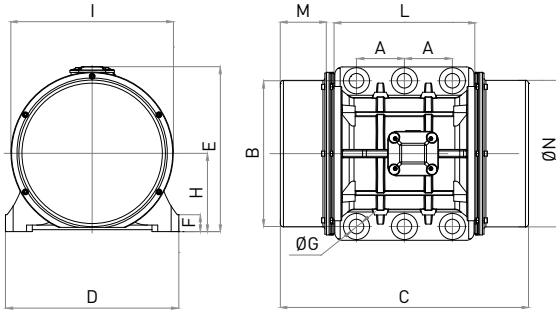
C



D



E



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung bezeichnung	Größe	C		M		A	B	Ø G	Bohrungen Nr.	D	E	F	H	I	L	N
50Hz	60Hz			50Hz	60Hz													
MVE 50/1E	MVE 50/12E	C	30	273	55	Variables Lochbild			4	154	175	15	79	142	163	131	131	
						80	110	11										
						90	125	13										
						124	110	11										
MVE 100/1E	MVE 100/12E	C	30	303	70	135 115 11			4	154	175	15	79	142	163	131	131	
MVE 200/1E	MVE 200/12E	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158	158	
MVE 300/1E	MVE 300/12E	D	50	391	93	120	170	17										
MVE 500/1E	MVE 500/12E	D	50	451	123	120	170	17										
MVE 510/1E	MVE 510/12E	D	50	451	123	120	170	17										
MVE 800/1E	MVE 800/12E	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222	222	
MVE 1100/1E	MVE 1100/12E	D	60	510	129	140	190	17										
MVE 1500/1E	MVE 1500/12E	D	60	562	154	140	190	17										
MVE 1600/1E	MVE 1600/12E	D	70	556	140	155	225	22										
MVE 2100/1E	MVE 2100/12E	D	70	616	170	155	225	22	4	272	295	40	140	267	250	235	235	
MVE 2600/1E	MVE 2600/12E	D	75	708	200	155	255	23.5										
MVE 3000/1E	MVE 3000/12E	D	75	708	200	155	255	23.5										
MVE 5210/1E	MVE 5210/12E	E	78	794	242	105	248	22										
MVE 3800/1E	MVE 3800/12E	D	80	683	170	180	280	26	4	332	360	37	167	345	304	310	310	
MVE 4700/1E	MVE 4700/12E	D	80	733	170	180	280	26										
MVE 5200/1E	MVE 5200/12E	D	85	688	160	200	320	28										
MVE 6500/1E	MVE 6500/12E	D	85	688	160	200	320	28										
MVE 8000/1E	MVE 8000/12E	D	85	788	210	200	320	28	4	378	411	49	200	424	325	378	378	
MVE 9000/1E	MVE 9000/12E	D	85	788	210	200	320	28										
MVE 10000/1E	MVE 10000/12E	E	90	826	210	125	380	39										
MVE 13000/1	NA	E	90	926	260	125	380	39										

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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STANDARD

ERHÖHTE SICHERHEIT

EXPLOSIONSGESCHÜTZT

FÜR MÜHLEN



MVE-E ERHÖHTE SICHERHEIT



8 POLE - 750/900 rpm



* Bild bezieht sich auf Größe 90

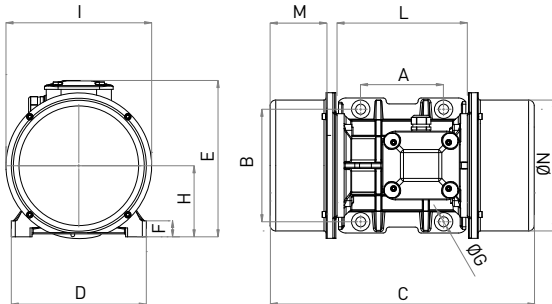
Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN							ZERTIFIKAT	
								Eingangleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	Temp. Klasse	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Metrik	GAS	STAUB
33		MVE 150/075E	MVE 150/090E	105	151	21		0,2	0,2	1,1	1,1	1,5	1,5	M20	T3	150 °C
57		MVE 250/075E	MVE 250/090E	179	257	29		0,3	0,4	1,1	1,1	1,7	1,7	M20	T3	150 °C
84		MVE 400/075E	MVE 400/090E	264	380	35		0,3	0,4	1,1	1,1	1,9	1,9	M20	T3	150 °C
137		MVE 650/075E	MVE 650/090E	431	621	65		0,5	0,6	1,2	1,2	2,2	2,2	M25	T3	150 °C
188		MVE 900/075E	MVE 900/090E	589	849	71		0,6	0,8	1,2	1,3	2,5	2,5	M25	T3	150 °C
300		MVE 1300/075E	MVE 1300/090E	941	1.355	100		1,2	1,1	2,5	1,8	3,0	3,0	M25	T3	150 °C
467		MVE 2100/075E	MVE 2100/090E	1.468	2.114	150		1,5	1,8	2,8	2,9	4,2	4,1	M32	T3	150 °C
680		MVE 3100/075E	MVE 3100/090E	2.137	3.077	212		2,0	2,3	3,8	3,8	4,0	4,0	M32	T3	150 °C
838		MVE 3800/075E	MVE 3800/090E	2.633	3.792	230		2,5	3,0	6,0	6,0	3,9	4,0	M32	T3	150 °C
930		MVE 4200/075E	MVE 4200/090E	2.920	4.205	284		2,9	3,4	6,5	6,5	3,8	3,7	M32	T3	150 °C
1.165		MVE 5300/075E	MVE 5300/090E	3.660	5.270	305		4,0	4,3	8,5	8,0	3,8	4,2	M32	T3	150 °C
1.436		MVE 6500/075E	MVE 6500/090E	4.510	6.494	324		5,0	5,9	10,0	10,0	3,6	4,0	M32	T3	150 °C
										A max. (Δ)						
2.200		MVE 10000/075E	MVE 10000/090E	6.911	9.952	422		6,8	7,5	13,50	12,5	3,5	4,2	M32	T3	150 °C



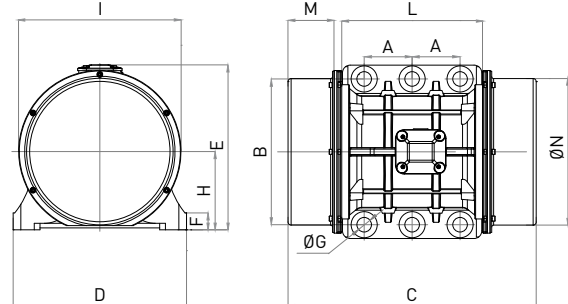
60Hz masses = 50Hz masses adjusted at 100%

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$

D



E



ABMESSUNGEN-SPEZIFIKATIONEN [mm]

Modell		Zeichnung Grünung	Größe	C		M		A	B	Ø G	Bohrungen Nr.	D	E	F	H	I	L	N
50Hz	60Hz			50Hz	60Hz													
MVE 150/075E	MVE 150/090E	D	40	334	78	105	140	13	4	168	196	22	92	169	178	158		
MVE 250/075E	MVE 250/090E	D	50	391	93	120	170	17	4	208	210	22	94	180	205	170		
MVE 400/075E	MVE 400/090E	D	50	451	123	120	170	17	4	208	210	22	94	180	205	170		
MVE 650/075E	MVE 650/090E	D	60	446	96	140	190	17	4	229	262	30	120	247	220	222		
MVE 900/075E	MVE 900/090E	D	60	510	129	140	190	17	4	229	262	30	120	247	220	222		
MVE 1300/075E	MVE 1300/090E	D	70	556	140	155	225	22	4	272	295	40	140	267	250	235		
MVE 2100/075E	MVE 2100/090E	D	75	708	200	155	255	23.5	4	302	318	35	147	295	273	264		
MVE 3100/075E	MVE 3100/090E	D	80	683	170	180	280	26	4	332	360	37	167	345	304	310		
MVE 3800/075E	MVE 3800/090E	D	80	733	195	180	280	26	4	332	360	37	167	345	304	310		
MVE 4200/075E	MVE 4200/090E	D	85	688	160	200	320	28	4	378	410	49	199	422	325	378		
MVE 5300/075E	MVE 5300/090E	D	85	688	160	200	320	28	4	378	410	49	199	422	325	378		
MVE 6500/075E	MVE 6500/090E	D	85	788	210	200	320	28	4	378	410	49	199	422	325	378		
MVE 10000/075E	MVE 10000/090E	E	90	926	260	125	380	39	6	452	430	44	204	422	367	378		

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

Diese Information wird ohne Garantie, Repräsentation, Anlass oder Lizenz gegeben. Angaben wurden nach bestem Wissen von OLI gemacht oder anderen, für vertrauenswürdig gehaltenen, Quellen entnommen. Deswegen übernimmt OLI für diese Angaben.

STANDARD

ERHÖHTE SICHERHEIT

EXPLOSIONSGESCHÜTZT

FÜR MÜHLEN

MVE-D



» II 2GD Ex d IIB T4 Ex tD A21 IP66 T135°C
 » Ex d IIB T4 Gb
 » Ex tD A21 IIIC T135°C Db IP66
 » Klasse I Div.1 Gruppen C, D Klasse II Div.1 Gruppen E, F, G T4 IP66

MVE-D5



» II 2G Ex d IIB T3
 » Ex d IIB T3 Gb
 » Klass1 I Div.1 Gruppen C, D T3



MVE-D EXPLOSIONSGESCHÜTZT



* Bild bezieht sich auf Größe 78

2 POLE - 3000/3600 rpm

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	
16	11	MVE 800/3D	MVE 800/36D	794	800	29		0,7	0,9	1,4	1,5	3,8	3,8	M20	
27	19	MVE 1300/3D	MVE 1300/36D	1.355	1.365	30		1,3	1,4	2,4	2,2	5,2	5,0	M20	
31	22	MVE 1600/3D	MVE 1600/36D	1.601	1.608	60	60	1,6	1,6	2,9	2,6	5,9	6,2	M25	
37	28	MVE 2000/3D	MVE 2000/36D	2.027	1.997	61	60	2,0	2,1	3,7	3,4	6,5	6,4	M25	
46	32	MVE 2300/3D	MVE 2300/36D	2.302	2.306	62	60	2,4	2,4	4,4	3,9	6,0	6,3	M25	
68	44	MVE 3200/3D	MVE 3200/36D	3.252	3.176	111	110	2,9	2,9	5,3	4,6	8,3	8,2	M32	
79	56	MVE 4000/3D	MVE 4000/36D	4.033	4.052	115	111	2,9	2,9	5,3	4,6	8,5	9,7	M32	

4 POLE - 1500/1800 rpm

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	
57	39	MVE 700/15D	MVE 700/18D	714	712	36		0,6	0,7	1,3	1,4	3,0	3,2	3/4" NPT	
89	57	MVE 1100/15D	MVE 1100/18D	1.114	1.028	44	39	0,6	0,8	1,5	1,7	3,8	3,8		
109	77	MVE 1400/15D	MVE 1400/18D	1.364	1.388	68	67	0,9	1,1	1,7	1,8	4,0	4,0		
137	92	MVE 1700/15D	MVE 1700/18D	1.725	1.664	70	68	1,1	1,3	2,2	2,1	4,7	4,5		
187	137	MVE 2400/15D	MVE 2400/18D	2.358	2.485	76	70	1,6	1,9	3,0	3,2	4,9	4,9		
203	136	MVE 2500/15D	MVE 2500/18D	2.557	2.454	98	92	1,8	2,0	3,4	3,4	6,0	6,1		
249	170	MVE 3000/15D	MVE 3000/18D	3.124	3.071	106	95	1,9	2,3	3,7	3,8	6,5	6,6		
307	205	MVE 3800/15D	MVE 3800/18D	3.853	3.704	138	127	2,2	2,6	4,1	4,1	6,8	6,8		
307	205	MVE 3810/15D	MVE 3810/18D	3.853	3.704	140	129	2,2	2,6	4,1	4,1	6,8	6,8		
193	193	MVE 3811/15D	MVE 3811/18D	2.425	3.492	129	129	2,2	2,6	4,1	4,1	6,8	6,8		
343	241	MVE 4300/15D	MVE 4300/18D	4.312	4.359	143	132	2,5	3,0	5,7	5,8	7,0	7,2		
437	304	MVE 5500/15D	MVE 5500/18D	5.495	5.495	201	198	3,6	3,4	6,5	6,6	7,1	7,0		



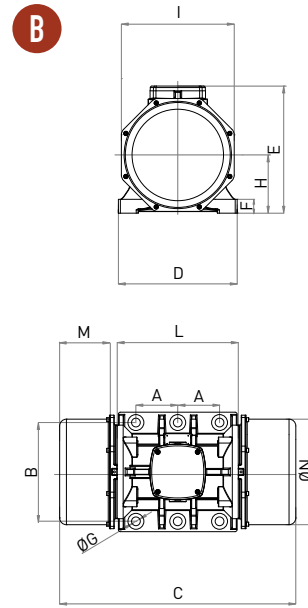
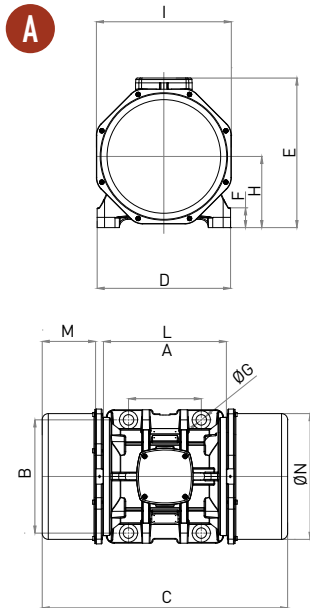
BIS ZUR GRÖSSE 50 (EINSCHLIESSLICH)
 60Hz Massen= 50Hz Massen auf 70% angepasst



AB GRÖSSE 50 (NICHT EINGESCHLOSSEN)
 Spezifische Massen für 60Hz

Ausgenommen Modell MVE 1100/15D - MVE 1100/18D

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$



ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung	Größe	C		M		A	B	Ø G	Bohrungen	D	E	F	H	I	L	N
50Hz	60Hz			50Hz	60Hz	Nr.												
MVE 800/3D	MVE 800/36D			A	50		335				65							
MVE 1300/3D	MVE 1300/36D	A	50	335	65	120	170	17	4	209	240	27.5	103	195	205	166.5		
MVE 1600/3D	MVE 1600/36D	A	60	478	105	140	190	17	4	234	267	31	124	238	234	222		
MVE 2000/3D	MVE 2000/36D	A	60	478	105	140	190	17	4	234	267	31	124	238	234	222		
MVE 2300/3D	MVE 2300/36D	A	63	478	105	140	190	22	4	234	267	31	124	238	234	222		
MVE 3200/3D	MVE 3200/36D	A	75	569	115	155	255	23.5	4	300	321	35	147	285	298	265		
MVE 4000/3D	MVE 4000/36D	A	75	569	115	155	255	23.5	4	300	321	35	147	285	298	265		

ABMESSUNGEN-SPEZIFIKATIONEN (mm)

Modell		Zeichnung	Größe	C		M		A	B	Ø G	Bohrungen	D	E	F	H	I	L	N
50Hz	60Hz			50Hz	60Hz	Nr.												
MVE 700/15D	MVE 700/18D			A	50		405				100							
MVE 1100/15D	MVE 1100/18D	A	50	467	405	131	100	120	170	17	4	209	240	28	103	195	205	166.5
MVE 1400/15D	MVE 1400/18D	A	60	478	105	140	190	17	4	234	267	31	124	238	234	222		
MVE 1700/15D	MVE 1700/18D	A	63	478	105	140	190	22	4	234	267	31	124	238	234	222		
MVE 2400/15D	MVE 2400/18D	A	63	538	135	140	190	22	4	234	267	31	124	238	234	222		
MVE 2500/15D	MVE 2500/18D	A	70	526	115	155	225	22	4	274	309	35	140	255	264	236		
MVE 3000/15D	MVE 3000/18D	A	70	590	147	155	225	22	4	274	309	35	140	255	264	236		
MVE 3800/15D	MVE 3800/18D	A	75	619	140	155	255	23.5	4	300	321	35	147	285	304	265		
MVE 3810/15D	MVE 3810/18D	B	77	619	140	105	248	22	6	300	321	35	147	285	304	265		
MVE 3811/15D	MVE 3811/18D	B	77	619	140	105	248	22	6	300	321	35	147	285	304	265		
MVE 4300/15D	MVE 4300/18D	A	75	619	140	155	255	23.5	4	300	321	35	147	285	304	265		
MVE 5500/15D	MVE 5500/18D	A	80	613	135	180	280	26	4	330	370	50	176	334	304	311		

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

Diese Information wird ohne Garantie, Repräsentation, Anlass oder Lizenz gegeben. Angaben wurden nach bestem Wissen von OLI gemacht oder anderen, für vertrauenswürdig gehaltenen, Quellen entnommen. Deswegen übernimmt OLI für diese Angaben.

STANDARD

ERHÖHTE SICHERHEIT

EXPLOSIONSGESCHÜTZT

FÜR MÜHLEN



MVE-D EXPLOSIONSGESCHÜTZT



* Bild bezieht sich auf Größe 60

6 POLE - 1000/1200 rpm

Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	
92		MVE 500/1D	MVE 500/12D	513	739		34	0,3	0,4	1,2	1,1	2,8	2,7	3/4" NPT	
137	109	MVE 800/1D	MVE 800/12D	767	873		70	0,7	0,8	1,4	1,3	3,2	3,1		
188	137	MVE 1100/1D	MVE 1100/12D	1.048	1.104	88	81	0,7	0,8	1,4	1,3	3,2	3,1		
285	197	MVE 1500/1D	MVE 1500/12D	1.590	1.580	92	85	1,1	1,3	2,1	2,0	3,3	3,3		
300	203	MVE 1600/1D	MVE 1600/12D	1.673	1.636	108	97	1,1	1,3	2,8	3,2	3,7	3,6		
373	249	MVE 2100/1D	MVE 2100/12D	2.083	2.000	123	109	1,5	1,8	3,0	3,0	4,3	4,4		
467	307	MVE 2600/1D	MVE 2600/12D	2.610	2.466	157	140	2,0	2,1	3,6	3,4	4,8	4,8		
540	380	MVE 3000/1D	MVE 3000/12D	3.017	3.053	164	146	2,2	2,4	4,5	4,3	5,0	5,0		
680	437	MVE 3800/1D	MVE 3800/12D	3.799	3.517	224	203	2,5	3,0	4,7	4,9	5,9	6,0		
838	584	MVE 4700/1D	MVE 4700/12D	4.681	4.697	239	221	3,2	3,9	6,5	6,0	5,5	5,7		



BIS ZUR GRÖSSE 60 (EINSCHLIESSLICH)
 60Hz Masse= 50Hz Massen auf 70% eingestellt



AB GRÖSSE 60 (NICHT EINGESCHLOSSEN)
 Spezifische Massen für 60Hz
 Ausgenommen Modell MVE 1500/1D - MVE 1500/15D

8 POLE - 750/900 rpm

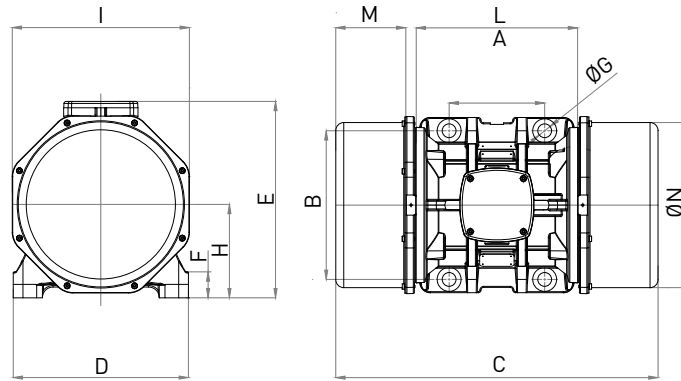
Wm (kgcm)		Modell		Zentrifugalkraft (kg)		Gewicht (kg)		ELEKTRISCHE SPEZIFIKATIONEN							
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Eingangsleistung (kW)		Nennstrom A max. (Y)		Ia / In		Kabeldurchführung	
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)	50Hz	60Hz	Metrik	
57		MVE 250/075D	MVE 250/090D	179	257		38	0,3	0,4	1,1	1,1	1,7	1,7	3/4" NPT	
84		MVE 400/075D	MVE 400/090D	264	380		43	0,3	0,4	1,1	1,1	1,9	1,9		
137		MVE 650/075D	MVE 650/090D	431	621		73	0,5	0,6	1,2	1,2	2,2	2,2		
188		MVE 900/075D	MVE 900/090D	589	849		79	0,6	0,8	1,2	1,3	2,5	2,5		
300		MVE 1300/075D	MVE 1300/090D	941	1.355		108	1,0	1,1	1,9	1,8	3,0	3,0		
467		MVE 2100/075D	MVE 2100/090D	1.468	2.114		159	1,5	1,8	2,8	2,9	4,2	4,1		
680		MVE 3100/075D	MVE 3100/090D	2.137	3.077		221	2,0	2,3	3,8	3,8	4,0	4,0		
838		MVE 3800/075D	MVE 3800/090D	2.633	3.792		239	2,5	3,0	6,0	6,0	3,9	4,0		



60Hz Masse= 50Hz Massen auf 100% eingestellt

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$

A



Modell		Zeichnung Grünung	Größe	ABMESSUNGEN-SPEZIFIKATIONEN (mm)														
50Hz	60Hz			C		M		A	B	Ø G	Bohrungen	D	E	F	H	I	L	N
				50Hz	60Hz	50Hz	60Hz				Nr.							
MVE 500/1D	MVE 500/12D	A	50	467		131		120	170	17	4	209	240	28	103	195	205	166
MVE 800/1D	MVE 800/12D	A	60	478		105		140	190	17	4	234	267	31	124	238	234	222
MVE 1100/1D	MVE 1100/12D	A	63	538		135		140	190	22	4	234	267	31	124	238	234	222
MVE 1500/1D	MVE 1500/12D	A	60	598		165		140	190	17	4	234	267	31	124	238	234	222
MVE 1600/1D	MVE 1600/12D	A	70	590		147		155	225	22	4	274	309	35	140	255	264	236
MVE 2100/1D	MVE 2100/12D	A	70	650		177		155	225	22	4	274	309	35	140	255	264	236
MVE 2600/1D	MVE 2600/12D	A	75	739		200		155	255	23	4	300	321	35	147	285	304	265
MVE 3000/1D	MVE 3000/12D	A	75	739		200		155	255	23	4	300	321	35	147	285	304	265
MVE 3800/1D	MVE 3800/12D	A	80	693		175		180	280	26	4	330	370	50	176	334	304	311
MVE 4700/1D	MVE 4700/12D	A	80	753		205		180	280	26	4	330	370	50	176	334	304	311

Modell		Zeichnung Grünung	Größe	ABMESSUNGEN-SPEZIFIKATIONEN (mm)														
50Hz	60Hz			C		M		A	B	Ø G	Bohrungen	D	E	F	H	I	L	N
				50Hz	60Hz	50Hz	60Hz				Nr.							
MVE 250/075D	MVE 250/090D	A	50	405		100		120	170	17	4	209	240	28	103	195	205	166
MVE 400/075D	MVE 400/090D	A	50	467		131		120	170	17	4	209	240	28	103	195	205	166
MVE 650/075D	MVE 650/090D	A	60	478		105		140	190	17	4	234	267	31	124	238	234	222
MVE 900/075D	MVE 900/090D	A	63	538		135		140	190	17	4	234	267	31	124	238	234	222
MVE 1300/075D	MVE 1300/090D	A	70	590		147		155	225	22	4	274	309	35	140	255	264	236
MVE 2100/075D	MVE 2100/090D	A	75	739		200		155	255	23	4	300	321	35	147	285	304	265
MVE 3100/075D	MVE 3100/090D	A	80	693		175		180	280	26	4	330	370	50	176	334	304	311
MVE 3800/075D	MVE 3800/090D	A	80	753		205		180	280	26	4	330	370	50	176	334	304	311

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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STANDARD

ERHÖHTE SICHERHEIT

EXPLOSIONSGESCHÜTZT

FÜR MÜHLEN



- » II3D Ex tc IIIC Tx IP66
- » Ausrüstung und Sicherheitseinrichtungen für den Gebrauch in potentiell explosionsfähigen Atmosphären (Bereich 22). Richtlinie 2014/34/UE
- » Übereinstimmung mit den wichtigsten Gesundheits- und Sicherheitsanforderungen
- » IEC 60079-10-2



MVE FÜR MÜHLEN



8 POLE – 750 rpm

Wm (kgcm)		Modell		Zentrifugalkraft (kg)				Gewicht (kg)				ELEKTRISCHE SPEZIFIKATIONEN				ZERTIFIKAT
												Eingangsleistung (kW)		Nennstrom		Ia / In
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Metrik	Temp. Klasse	
383	-	MVE 1200/075	NA	1.203	-	94		0,6	-	1,3	-	2,5	-	M25	135 °C	
471	-	MVE 1400/075	NA	1.480	-	104		0,6	-	1,5	-	2,5	-	M25	135 °C	

10 POLE – 600/720 rpm

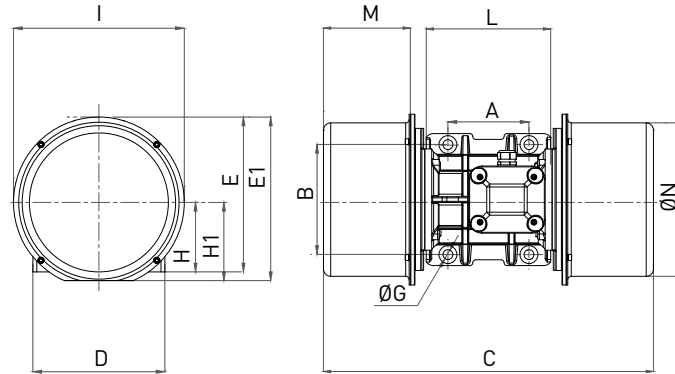
Wm (kgcm)		Modell		Zentrifugalkraft (kg)				Gewicht (kg)				ELEKTRISCHE SPEZIFIKATIONEN				ZERTIFIKAT
												Eingangsleistung (kW)		Nennstrom		Ia / In
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	Metrik	Temp. Klasse	
383		MVE 1200/060	MVE 1200/072	770	1.110	94		0,8	0,8	1,4	1,3	1,5	1,5	M25	100 °C	
471		MVE 1400/060	MVE 1400/072	947	1.364	104		0,8	0,8	1,4	1,3	1,5	1,5	M25	100 °C	



60Hz Masse = 50Hz Massen auf 100% angepasst

Um kg in Newton umzurechnen: $N = 9.81 \cdot kg$

L



Modell		Zeichnung	Größe	ABMESSUNGEN-SPEZIFIKATIONEN (mm)															
				C		M		A	B	Ø G	Bohrungen	D	E	E1	F	H	H1	I	L
50Hz	60Hz			50Hz	60Hz	50Hz	60Hz				Nr.								
MVE 1200/075	NA	L	60	570	150	140	190	17	4	228	268	283	23	120	135	295	220	265	
MVE 1400/075	NA	L	60	570	140	140	190	17	4	228	268	283	23	120	135	295	220	265	

Modell		Zeichnung	Größe	ABMESSUNGEN-SPEZIFIKATIONEN (mm)															
				C		M		A	B	Ø G	Bohrungen	D	E	E1	F	H	H1	I	L
50Hz	60Hz			50Hz	60Hz	50Hz	60Hz				Nr.								
MVE 1200/060	MVE 1200/072	L	60	570	150	140	190	17	4	228	268	283	23	135	135	295	220	265	
MVE 1400/060	MVE 1400/072	L	60	570	150	140	190	17	4	228	268	283	23	135	135	295	220	265	

Hinweis: Abmessungen mit Genauigkeitsgrad gemäß UNI 22768/1

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STANDARD

EXPLOSIONSGESCHÜTZT ERHÖHTE SICHERHEIT

FÜR MÜHLEN



INSTALLATION

Montage

Die Oberfläche der Grundplatte auf dem der Vibrationsmotor montiert ist, hat eine zulässige Toleranz von 0.25 mm (0.01in), sodass die Oberflächen einheitlich aufeinander liegen, um innere Spannung zu vermeiden, die den Fuß des Vibrationsmotors schädigen könnten.

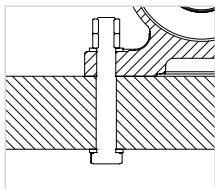
8.8 Schrauben, 8.0 Muttern und flache Unterlegscheiben, die zur Kategorie A EN ISO 7089 / 7092 gehören, verwenden.

Die Graphik unten zeigt die korrekten Anzugdrehmoment für die verschiedenen Schraubengrößen, die für den Vibrationsmotor verwendet werden.

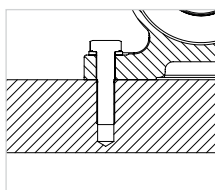
Berührungsfläche Vibrationsmotor / Maschine

Schraube		Unterlegscheibe		Anzugsdrehmoment	
Metrik	Imperial	Metrik UNI 6592	Imperial Flachscheibe	(Nm)	(ftlb)
M6	1/4"	6,4 x 12	1/4"	9	6,5
M8	5/16"	8,4 x 16	5/16"	23	16,5
M10	3/8"	10,5 x 20	3/8"	45	33
M12	1/2"	13 x 24	1/2"	80	58
M16	5/8"	17 x 30	5/8"	185	137
M20	13/16"	21 x 37	13/16"	373	275
M22	7/8"	23 x 39	7/8"	550	411
M24	15/16"	25 x 44	15/16"	696	513
M27	1"	28 x 50	1"	873	645
M36	1-3/8"	37 x 66	1-3/8"	1.864	1.370
M42	1 5/8"	37 x 66	1 5/8"	2.850	2.102

Befestigung

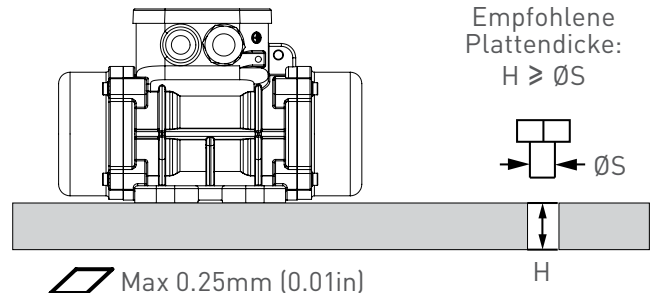


Glatte Durchgangsbohrung
+ Schraube
+ Flachscheibe
+ Mutter und Kontermutter



Gewindebohrung
+ Schraube
+ Flachscheibe

TOLERANZEN OBERFLÄCHENE BENHEIT



MASCHINELL VORBEARBEITETE & NICHT BEMALTE TRÄGERPLATTE



Elektrischer Anschluss

Prüfen Sie, ob die Voltzahl und die Frequenz der Stromversorgung mit dem Typenschild des elektrischen Vibrators übereinstimmen.

Wenn der Motor über einen Frequenzumrichterantrieb läuft, den Motor nicht unter 20 Hz und nicht über die Nennfrequenz laufen lassen.

Das Kabel durch die Kabelverschraubung führen.

Die Zuleitungsdrähte müssen isoliert und mit einer auf die Anschlussklemmen passenden Öse versehen sein, um Überhitzungen im Klemmkasten zu vermeiden. Benutzen Sie nur Kabel, die den richtigen Querschnitt aufweisen.

Die Leitungskabel an die Pole anschließen (wie auf dem Diagramm unten zu sehen) und mit dem spezifischen Anzugsdrehmoment festziehen.

Vergessen Sie nicht das Erdungskabel an dem entsprechenden Pin zu befestigen

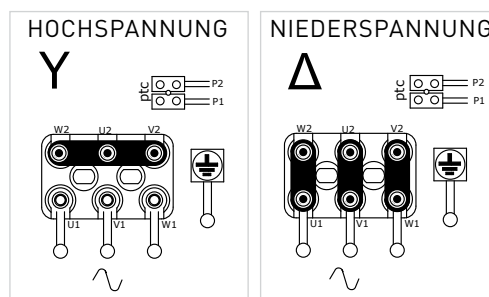
→ **Vorgeschriebener Anschluss!**

Bevor Sie den Verteilerkasten wieder schließen, nachprüfen, dass die Deckeldichtung ordentlich sitzt, damit die spezifizierte Schutzklasse eingehalten wird.

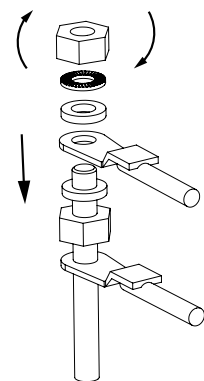
Für genauere Informationen zur Installation des Motors in die Produkthanleitungen schauen.

Verschraubung Klemmkasten Anzugsdrehmoment		
Schraube	Nm	ftlb
M4	2,5	1,84
M5	4	2,95
M6	5	3,69
M8	6	4,43
M10	8	5,90

KLEMMANSCHLÜSSE



Prüfen Sie den "Nennstrom" auf dem Typenschild, um den vom Werk eingestellten Anschluss eines Motors zu erkennen.



Überlastungsschutz

Alle elektrische Vibratoren MÜSSEN an einen geeigneten externen Überlastungsschutz angeschlossen sein.

Wenn zwei elektrische Vibratoren in Synchronschaltung verwendet werden, muss jeder an einen externen Überlastungsschutz angeschlossen sein, die miteinander verbunden sind, sodass beide Motoren stoppen, wenn einer versagt.

Verwenden Sie immer einen Motorschutz vom Typ

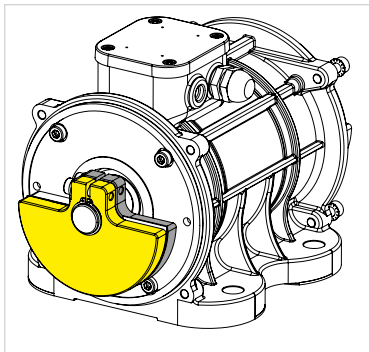
thermomagnetischer Schalter mit verzögerter Abschaltvorrichtung, um zu vermeiden, dass der Motor beim Anlassen, wenn die Stromaufnahme für einige Sekunden höher als der Nennbetriebsstrom ist, gestoppt wird.

Die Abschaltung des Überlastungsschutz sollte auf ein Maximum von +10% des Nennstroms eingestellt werden.

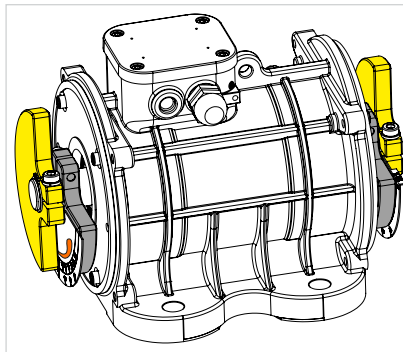


EINSTELLUNG UND ÄNDERUNG DER VIBRATIONSSTÄRKE

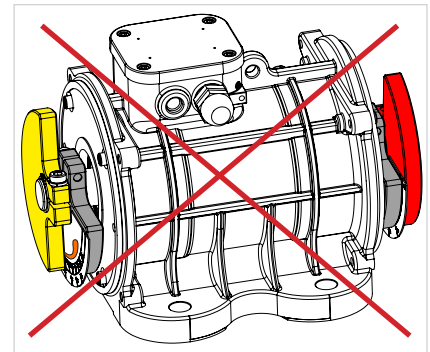
Unwuchtvoreinstellung - Typ A



MASSEN ZU 100%



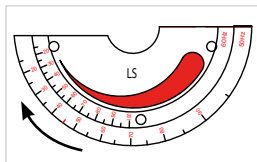
EINGESTELLTE MASSEN



FALSCH EINGESTELLTE MASSEN

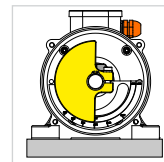
2 TIPPS FÜR DIE RICHTIGE EINSTELLUNG DER MASSEN:

Die Massen gemäß der Zeichnung auf dem Schild drehen: Von der dickeren Spitze hin zur schmalen Spitze.

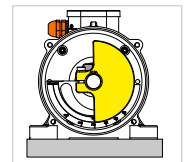


Links vom Motor für Größen bis zu 60

Die Massen entgegengesetzt zur Kabeldurchführung drehen.

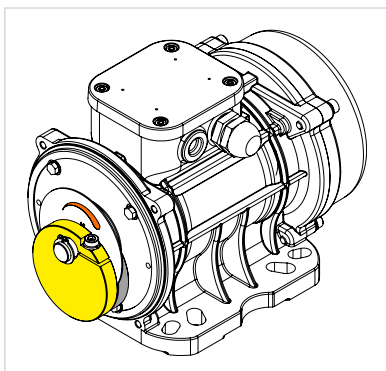


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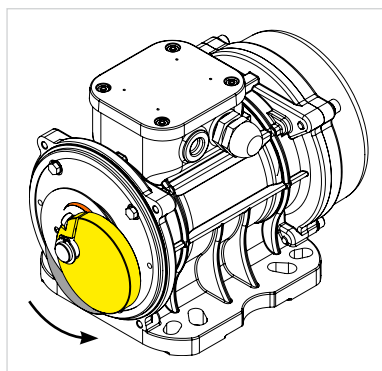


rechte Seite

Unwuchtvoreinstellung - Typ B

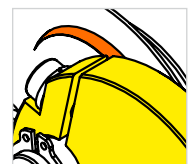


MASSEN ZU 100%

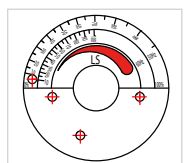


EINGESTELLTE MASSEN

Die Furche in der Masse zeigt den Einstellgrad an.

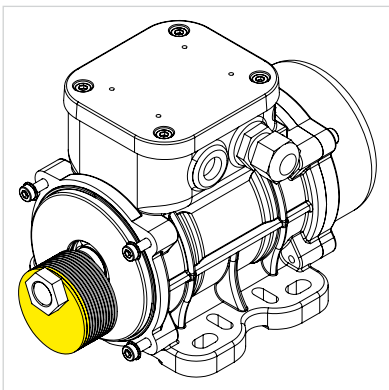


Die Massen gemäß der Zeichnung auf dem Schild drehen: Von dickeren Spitze zum schmalen Tipp.

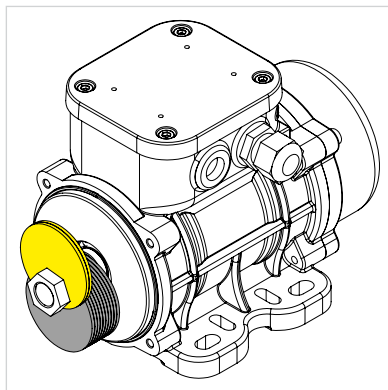




Unwuchtvoreinstellung – Typ C (Lamellen)



MASSEN ZU 100%



EINGESTELLTE MASSEN

Für technische Informationen zur Einstellung der Lamellen in die Bedienungs- und Wartungsanleitungen schauen.



Warnung:
Neue Motoren vor der Installation NICHT SCHMIEREN.

OLI Motoren mit Rollenlagern verlassen das Werk mit der richtigen Schmierfettmenge, die Motoren mit Kugellager müssen dagegen nicht geschmiert werden.

WHEN YOU NEED IT, WHERE YOU NEED IT.

THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY

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OLI Brazil
OLI China
OLI France

OLI Germany
OLI India
OLI Italy
OLI Malta
OLI Middle East

OLI Nordic
OLI Russia
OLI South Africa
OLI Spain
OLI Thailand

OLI Turkey
OLI UK
OLI USA

FLOW AIDS



THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY







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Worldwide leader in vibration technology

OLI is the world's top selling manufacturer of Electric and Pneumatic Vibrators.

A high level of customer service is guaranteed through 19 OLI Trading Subsidiaries, 36 local warehouses and 5 manufacturing plants worldwide.

OUR 3 DIVISIONS

PROVIDE CUSTOMERS WITH OPTIMAL SOLUTIONS FOR ALL REQUIREMENTS

INDUSTRIAL VIBRATORS



Electric motovibrators for vibrating equipments.

FLOW AIDS



Comprehensive range of electric and pneumatic vibrators to solve any problem of flowability.

CONCRETE CONSOLIDATION



Internal concrete vibrators and converters for reliable and efficient concrete compaction.

Originally specialising in immersion vibrators for concrete consolidation, OLI is now the worldwide leader in vibration technology, with a **complete range of electric and pneumatic internal and external vibrators**.

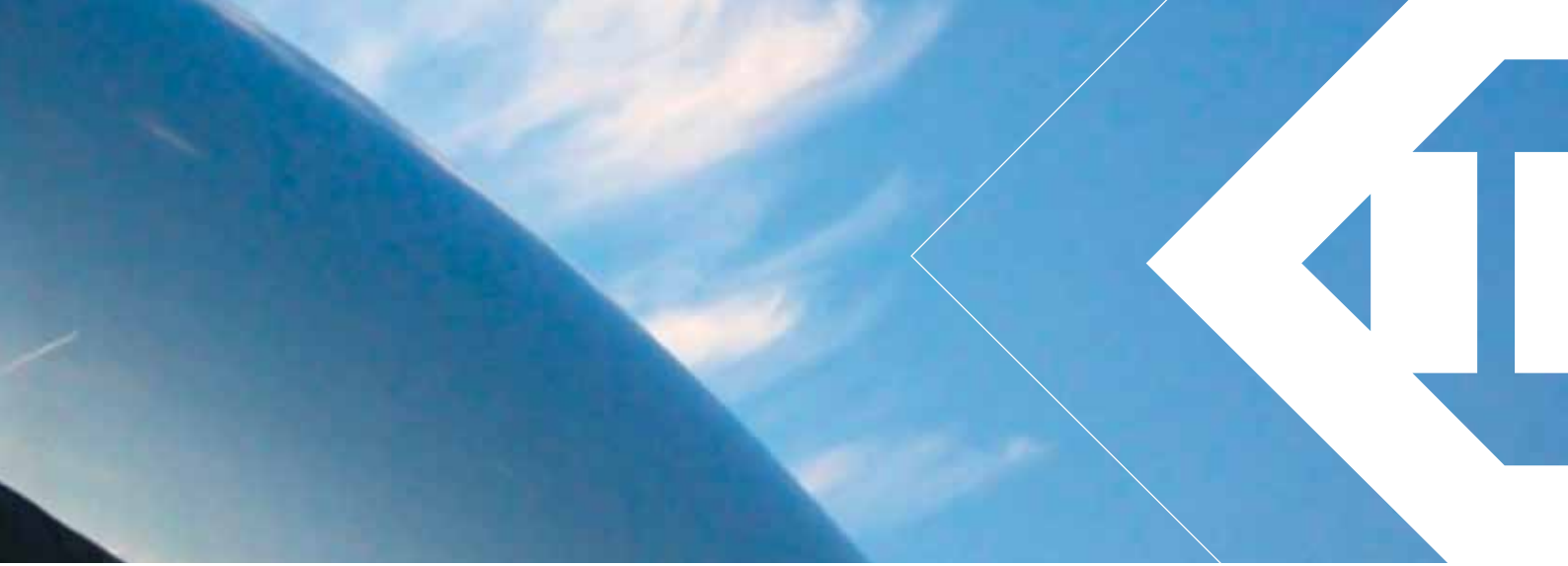
By supplying **competitive, high quality products for wide-ranging applications**, OLI combines **performance** and **reliability** by adapting to the ever-changing market. A strong believer in innovation, OLI is constantly striving to be ahead of the opposition.

As a global player in industrial vibration technology, the key focus of OLI's business strategy is **rapid stock delivery, any time, anywhere in the world**.

Excellent customer service is of pivotal importance: the company guarantees **quick order processing** and customers worldwide can enjoy access to the same high quality product and services.

OLI has access to credible expertise when it comes to finding suitable solutions to customers' requests. A team of engineers specialised in designing efficient, reliable and safe solutions backed by a **globally certified management**.

OLI provide their customers with state-of-the-art equipment and the blueprint for the next generation of products is already in progress.



SMART POWDER HANDLING

More than 50 years of **EXPERIENCE** in solving material handling problems make OLI the ideal partner for customers across all industries.

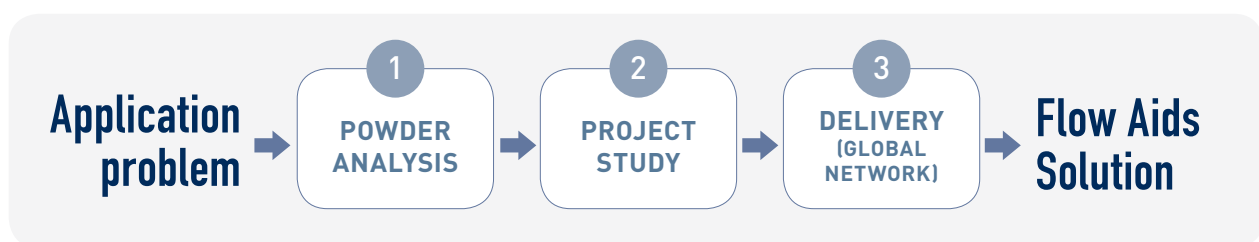
A **GROUP OF SPECIALISTS** is at the customers' disposal to study and offer solutions that perfectly suit any type of application and material present on the market.

OLI analyses problems in the most comprehensive

way: the type of powder to be handled, environmental conditions and the type of process. The **CUSTOMER'S NEEDS** will always be at the centre of attention.

OLI's **GLOBAL SALES NETWORK** assists customers locally in over 50 countries ensuring ex-stock delivery from the subsidiaries' own warehouses.

OLI GUIDES YOU TO THE RIGHT CHOICE



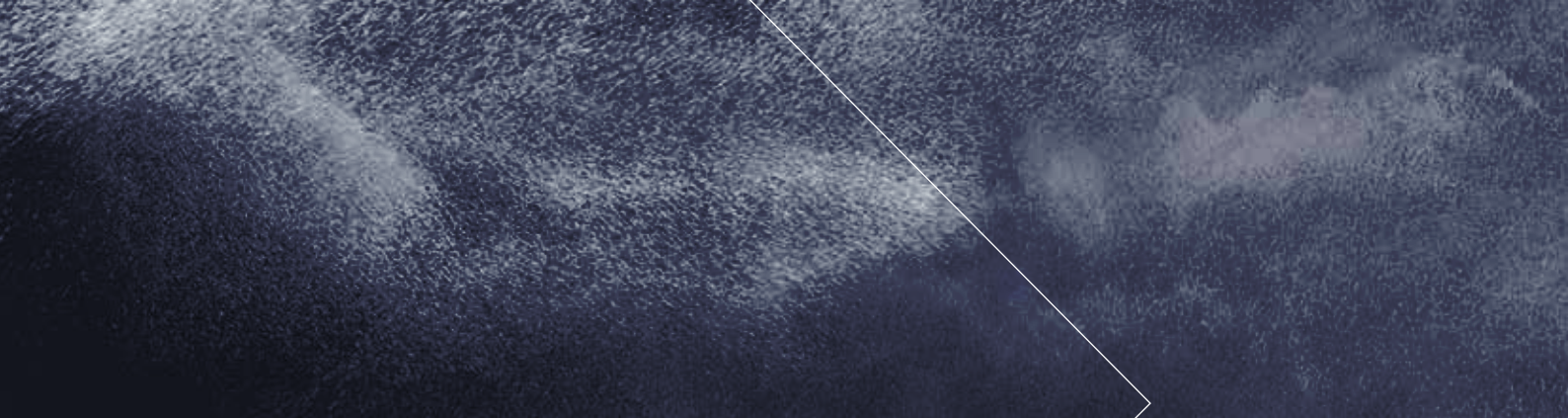
ONLINE SIZING CALCULATOR

NOT TOO BIG, NOT TOO SMALL, JUST RIGHT

To complete the service to the customer, OLI has created an application that guides to the choice of the most suitable vibrator for the project, step-by-step.

OLIVIBRA CALCULATOR - MAIN FEATURES

- Available on-line
- Real-time updates
- Multilingual platform



WHY USE FLOW AIDS?

SITUATION

Due to their characteristics, many **POWDERS** inside silos, hoppers, chutes, piping, tanks or any other container will tend to **STICK TO THE SURFACE**.

PROBLEM

Any small change in the opening of the outlet, a rough surface, bends, shallow angles, the shape of the container, as well as the particle shape of the material handled might slow down the flow of the product, thus generating **WASTE**.

SOLUTION

FLOW AIDS are designed to solve issues caused by design errors or by the characteristics of the powder or granules handled. Moreover, they **INCREASE PROCESS EFFICIENCY** and **IMPROVE PLANT SAFETY**.



WHERE USE FLOW AIDS?

Industries

Food
Animal feed
Fertilizers
Agriculture
Pharmaceuticals
Chemicals
Plastics
Cement
Glass
Air treatment
Automotive
Mining

Applications

Silos
Hoppers
Vibrating feeders
Screens
Slides and chutes
Piping
Threshers
Dump trucks

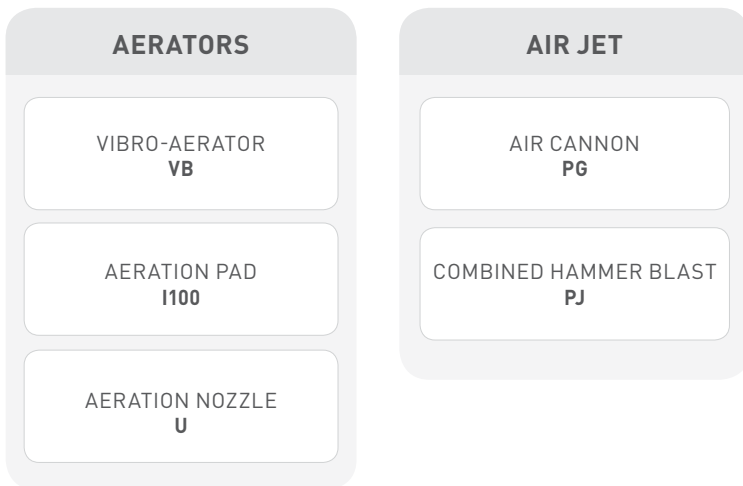
Benefits

Safe
Economic
Robust
Reliable
Easy to install
High performance
Global availability
Increased productivity

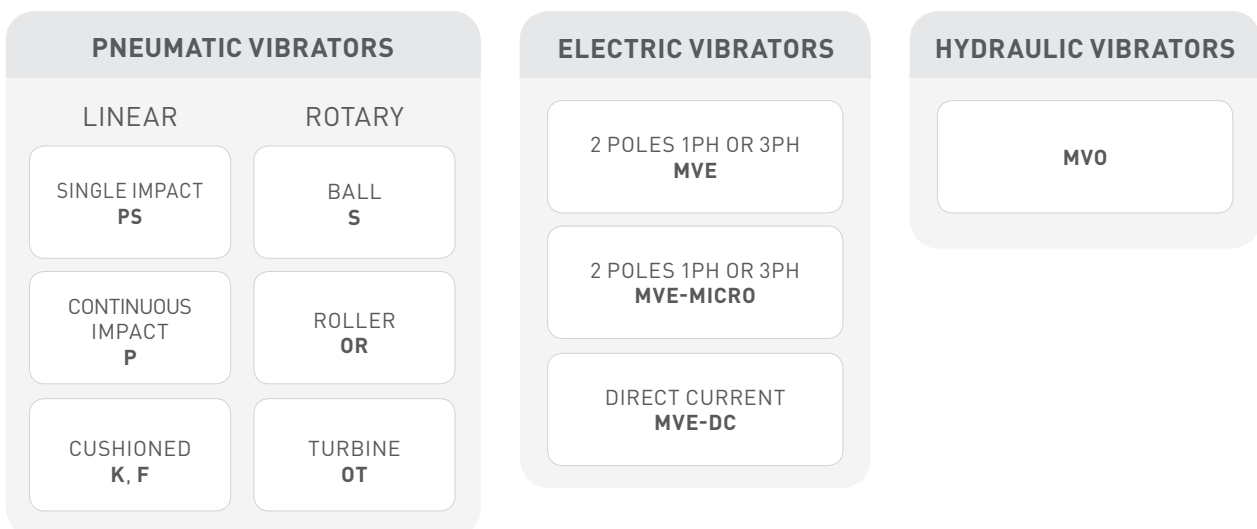


PRODUCT RANGE

INTERNAL APPLICATION → IN CONTACT WITH MATERIAL



EXTERNAL APPLICATION → NOT IN CONTACT WITH MATERIAL



INTERNAL APPLICATION

AERATORS

PRODUCT SERIES

BIN AERATORS
VB



APPLICATION

Silos
Hoppers
Pipes
Dry bulk tank trailers
Dry bulk rail tankers

POWDER

Dry, fine powders.

Cement
Lime
Pigments
Plastics
Starch
Flour
Sugar
Coffee

FEATURES

Compatible with foods and chemicals.

BENEFITS

Economical
Easy to install
Efficient
Durable
Available in two sizes (MICRO or standard)
External mounting

AERATION PADS
I100



Silos
Hoppers

Dry, fine powders.

Suitable for cement, lime

Low air consumption (0.2 bar pressure).
Create fluid bed.

Economical
Easy to install
External mounting kit

AERATION NOZZLES
U



Silos
Hoppers

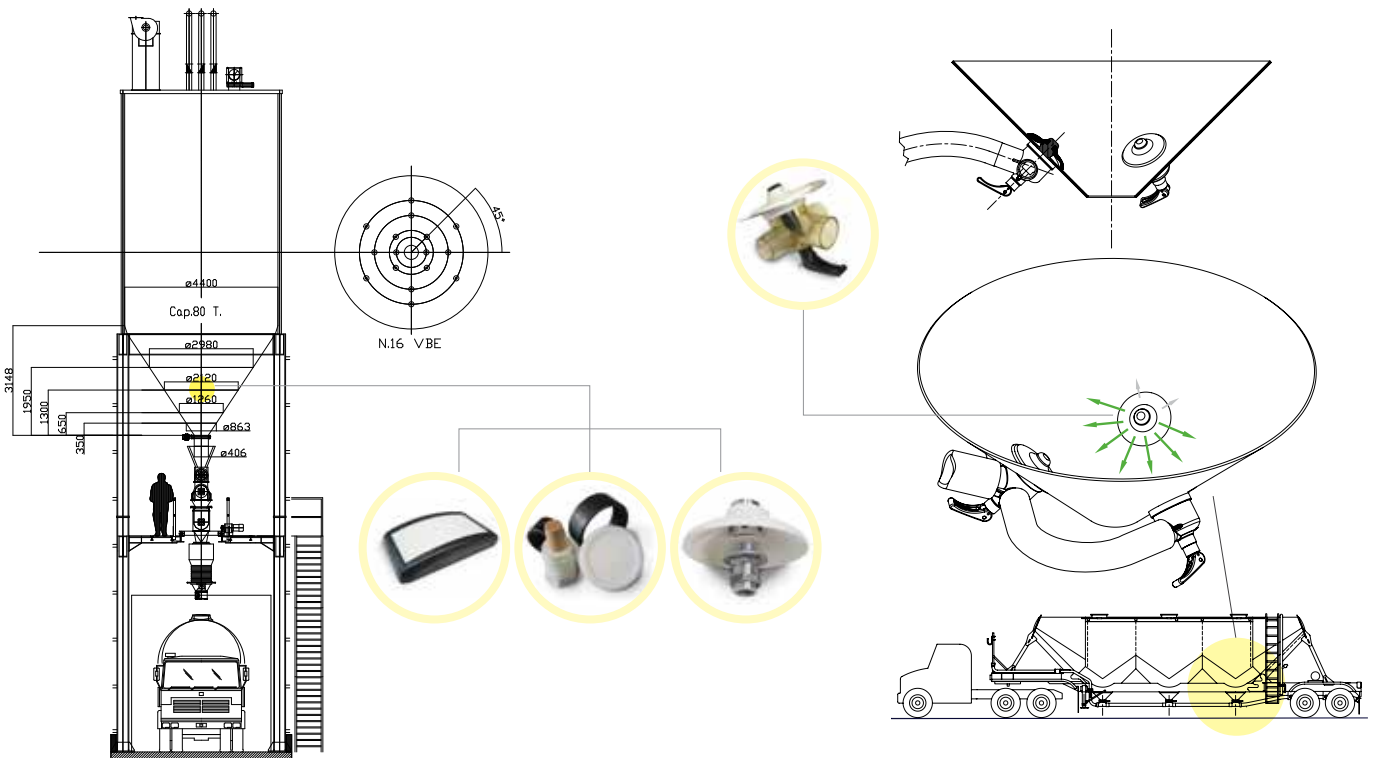
Dry, fine powders.

Suitable for cement, lime

Low air consumption (0.2-1 bar pressure).
Create fluid bed.

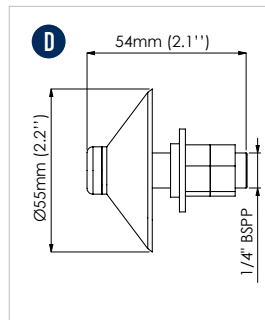
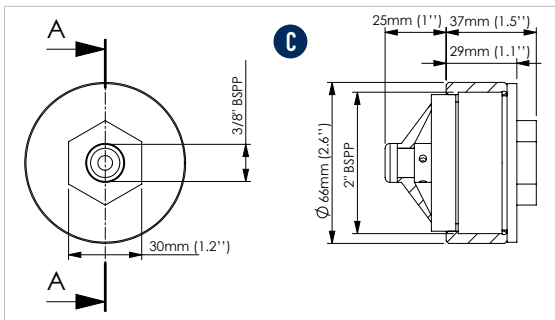
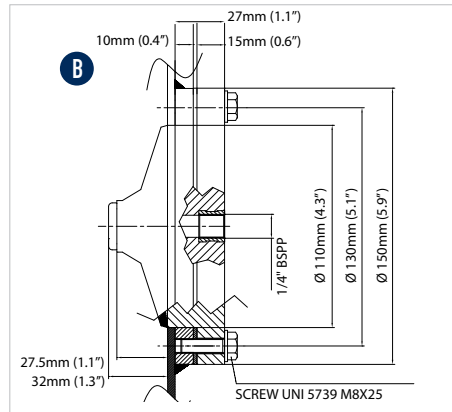
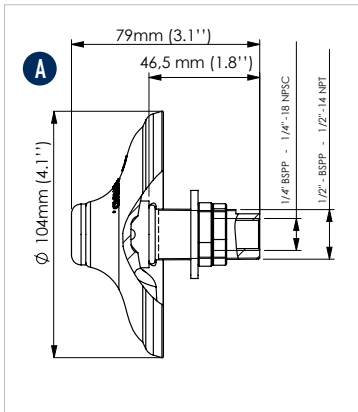
Economical
Easy to install
Compact design
Suitable for retrofitting

APPLICATIONS





VBS - Bin aerators



MODEL	DRAWING	MEMBRANE COLOUR	STEM MATERIAL	AIR CONSUMPTION								WORKING TEMPERATURE			
				0.8 bar (11.6 psi)		2 bar (29 psi)		4 bar (58 psi)		6 bar (87 psi)		°C		°F	
				l/min	Cfm	l/min	Cfm	l/min	Cfm	l/min	Cfm	Min.	Max.	Min.	Max.
VBS	A	White	Aluminium	600	20	800	28	950	33	1150	40	-40	170	-40	338
VBSI	A	White	Stainless steel	600	20	800	28	950	33	1150	40	-40	170	-40	338
VBSIHT	A	Red	Stainless steel	600	20	800	28	950	33	1150	40	-40	235	-40	455
VBSIMD	A	Blue	Stainless steel	600	20	800	28	950	33	1150	40	-40	170	-40	338
VBE	B	White	Nylon	-	-	100	3.53	150	5.29	250	8.82	-40	80	-40	176
VBSME	C	White	Nylon	130	4.6	150	5.3	-	-	-	-	-40	80	-40	176
VBSM	D	White	Aluminium	100	3.5	150	5	-	-	-	-	-40	170	-40	338
VBSMI	D	White	Stainless steel	100	3.5	150	5	-	-	-	-	-40	170	-40	338
VBSMIHT	D	Red	Stainless steel	100	3.5	150	5	-	-	-	-	-40	235	-40	455
VBSMIMD	D	Blue	Stainless steel	100	3.5	150	5	-	-	-	-	-40	170	-40	338

VBS - BIN AERATORS

APPLICATION	Silos, hoppers, pipes
POWDER	Dry, fine, granular
PROBLEM SOLVING	Bridge and rat-holing

FEATURES

DUTY CYCLE	Continuous or discontinuous
WORKING PRESSURE	From 0.8 bar to 6 bar (from 12 psi to 87 psi) - Suggested: 4 bar (58 psi) VBSMicro from 0.8 bar to 2 bar (from 12 psi to 29 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve
AIR SUPPLY QUALITY	Non-Lubricated (Class. 5.4.1)
TECHNOLOGY	Vibro-Aerator
MATERIAL	Silicone membrane [food grade] - FDA 177.2600 Aluminium / stainless steel stem [Food & Pharmaceutical grade] Nylon body with steel ring [VBSE]

OPTIONS

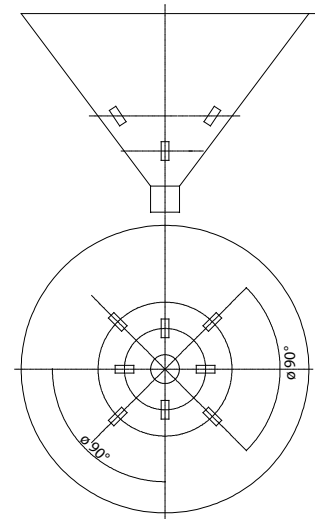
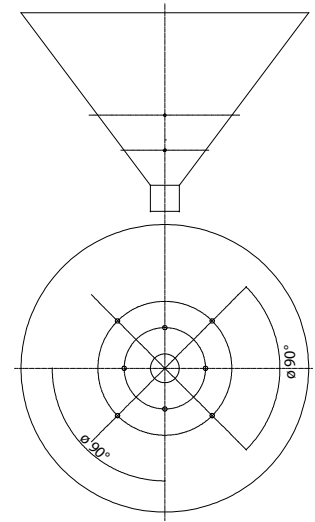
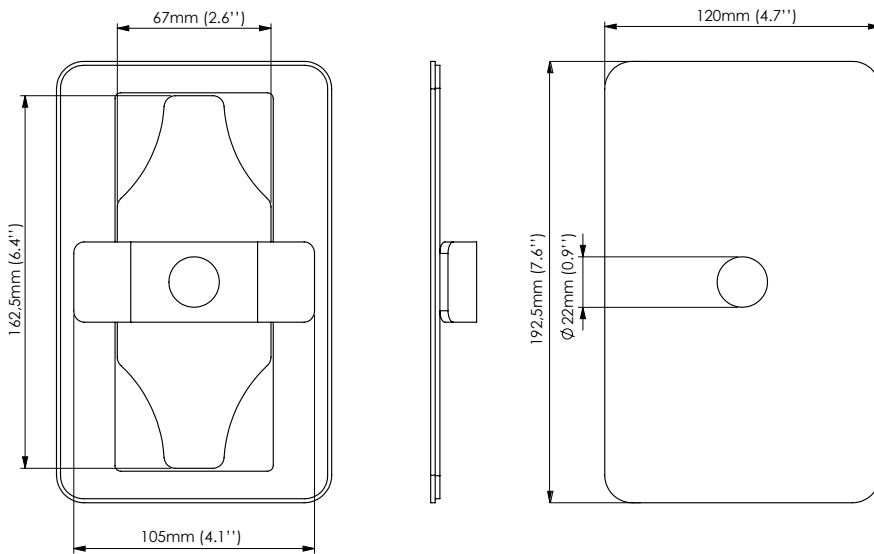
EXTERNAL MOUNTING KIT	Stainless steel rectangular plate and fitting bracket
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VBS - Bin aerators - External mounting kit



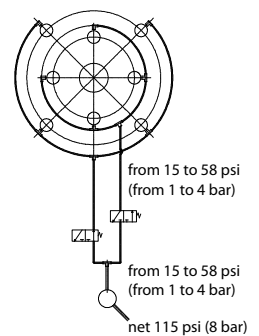
*** THE VBS IS NOT INCLUDED IN THE EXTERNAL MOUNTING**



EXTERNAL MOUNTING KIT

MATERIAL	Stainless steel rectangular plate
PROBLEM SOLVING	Allows the installation on silos that are difficult to reach from the inside
SIZE	120 x 192.5 mm [4.72" x 7.58"]
CUT OUT SIZE	67 x 162.5 mm [2.64" x 6.40"]

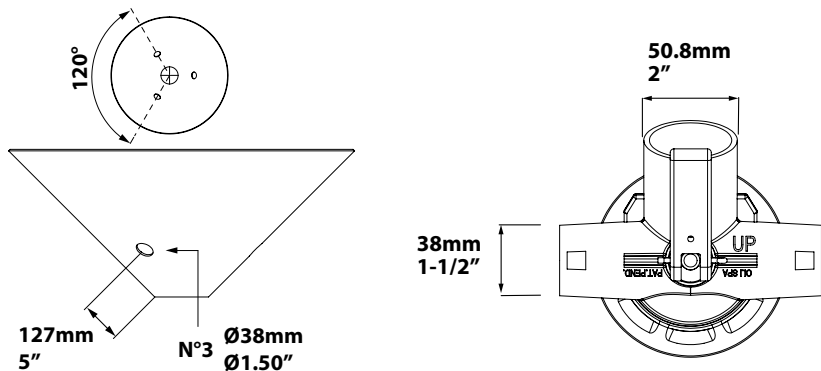
FLUIDIZER PNEUMATIC CIRCUITS



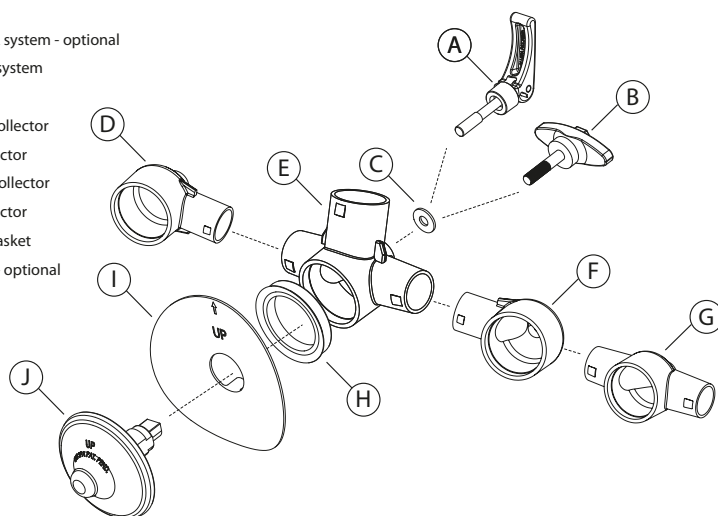
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VBT - Tank truck aerators



- (A) Cam lever lock system - optional
- (B) T-handle lock system
- (C) Gasket
- (D) LH 1-Way air collector
- (E) 3-Way air collector
- (F) RH 1-Way air collector
- (G) 2-Way air collector
- (H) Air collector gasket
- (I) Hopper saver - optional
- (J) Membrane



VBT SERIES

APPLICATION	Dry bulk tank trailer, rail tanker
POWDER	Dry, fine, granular
PROBLEM SOLVING	Bridging and rat-holing

FEATURES

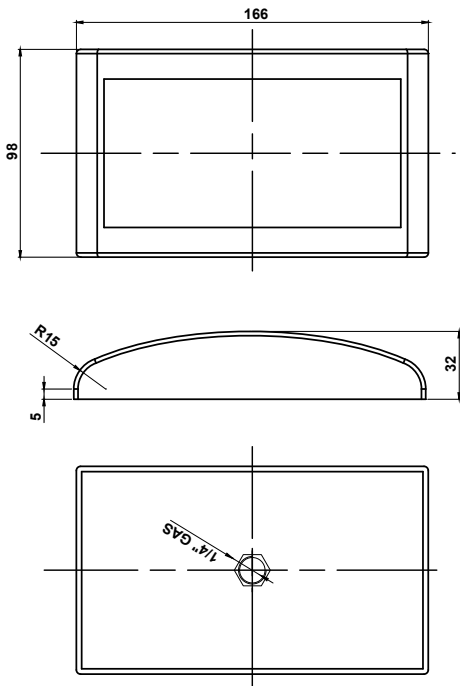
DUTY CYCLE	Continuous (suitable to be used with blower)
WORKING PRESSURE	From 0.7 bar to 2 bar (from 10 psi to 29 psi)
PNEUMATIC CIRCUIT	Suitable standard pneumatic bulk trailer, works with all standard designs
WORKING TEMPERATURE	From -40°C to 170°C (from -40°F to 340°F)
TECHNOLOGY	Vibro-aeration
MATERIAL	Blue silicone membrane - metal detectable, comply with FDA 177.2600 Stem - Black polyarylamide glass-fiber reinforced comply with 10/2011/EC - FDA - UL94 Manifold - Black polyarylamide glass-fiber reinforced comply with 10/2011/EC - FDA - UL94 Manifold - Transparent material comply with ISO 10993 - FDA 21 CFR 177.1655 - NSF 51 - UL94 Lever and T-handle - Black polyarylamide glass-fiber reinforced / Stainless steel thread shaft Silicone gasket

OPTIONS

CAM LEVER	Shaft material: AISI304
HOPPER SAVER PLATE	Stainless steel



I100 - Aeration pads



MODEL	AIR CONSUMPTION	
	0.2 bar (2.9 psi)	
	l/min	cfm
I100	2	0.07

I100 - AERATION PADS

APPLICATION Hopper and silo

POWDER Fine and dust (cement and lime)

PROBLEM SOLVING Bridge and rat-holing

FEATURES

DUTY CYCLE Continuous

WORKING PRESSURE 0.2 bar (2.9 psi)

PNEUMATIC CIRCUIT Filter + flow control valve

AIR SUPPLY QUALITY Class 5.4.1.

WORKING TEMPERATURE From -20°C to 80°C (from -4°F to 176°F)

TECHNOLOGY Fluidification

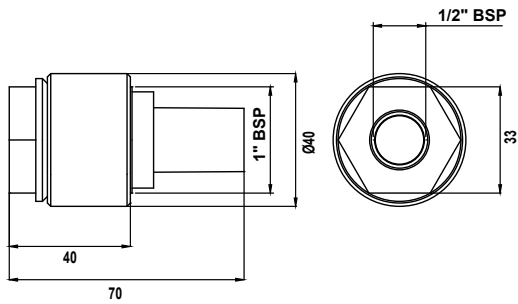
MATERIAL Sintered PET filter, PS body

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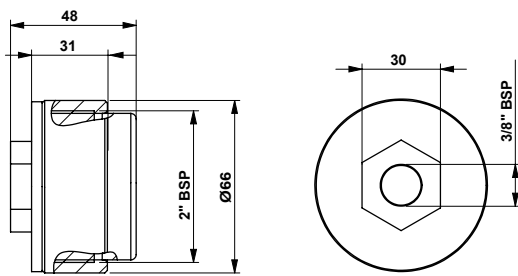


U - Aeration nozzles

A



B



MODEL	DRAWINGS	AIR CONSUMPTION			
		0.2 bar (2.9 psi)		1 bar (14 psi)	
		l/min	Cfm	l/min	Cfm
U025	A	0.83	0.03	-	-
U060	B	-	-	30	1.1

U - AERATION NOZZLES

APPLICATION	Hopper and silo - piping
POWDER	Fine and dust (cement and lime)
PROBLEM SOLVING	Bridge and rat-holing

FEATURES

DUTY CYCLE	Continuous
WORKING PRESSURE	From 0.2 bar to 1 bar (from 2.9 psi to 14 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve
AIR SUPPLY QUALITY	Class 5.4.1
WORKING TEMPERATURE	From -20°C to 80°C (from -4°F to 176°F)
TECHNOLOGY	Fluidification
MATERIAL	U060 - ring carbon steel, sintered PE filter, Nylon (UV resistant) body U025 - ring carbon steel, sintered brass filter, Nylon (UV resistant) body

INTERNAL APPLICATION



PRODUCT SERIES

Air blasts - Gunjet
PG



APPLICATION

Silos
Hoppers

POWDER

Powders of large particle size and irregular shape; fibrous powders and flakes.

Wood fibres
Textile fibres
Paper
Plastics
Bran

FEATURES

Compact design with integrated solenoid valve.
The air blade generated by the high pressure jet helps to clean the hopper surface.

BENEFITS

Suitable for bridge breaking
Economical
Easy to install
Low air consumption
Mounting plate included

Combined Hammer Blasts - Picjet
PJ



Silos
Hoppers

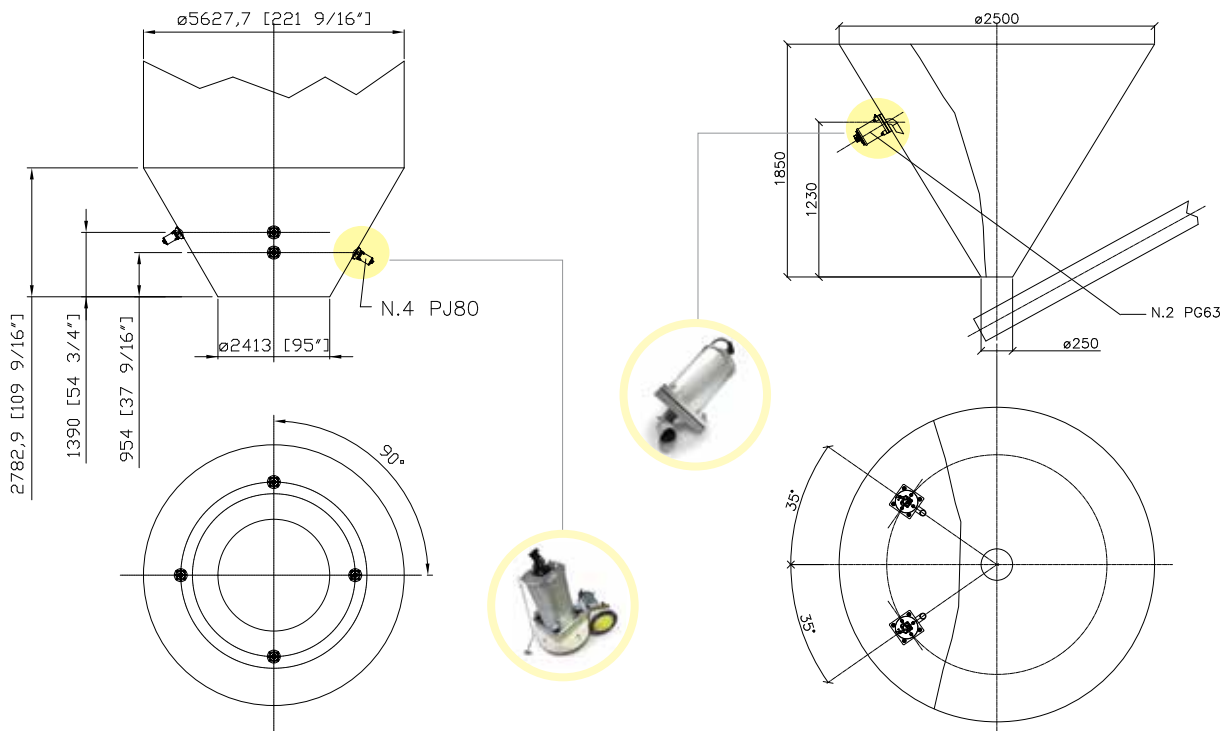
Lime and ceramic powders.

Cement
Ashes
Vegetable meals
Fertilizers
Detergents
Pigments
Clay
Oxides

Compact design with integrated solenoid valve.
The combined effect of the air jet plus. Single impact ensures excellent results in eliminating bridging or ratholing.

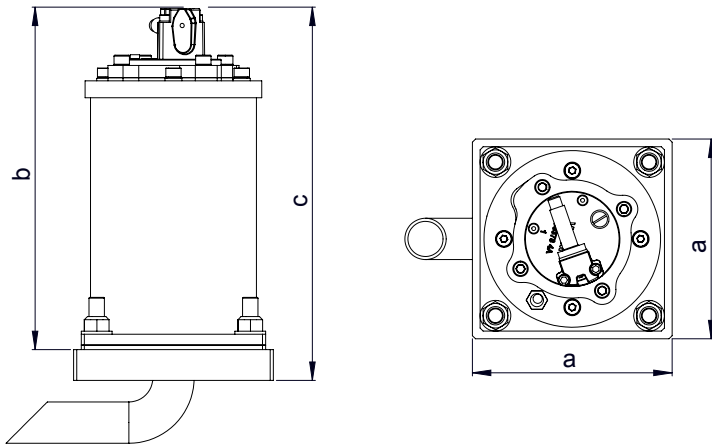
Efficient
Easy to install
Combined effect
Innovative
Supplied with mounting plate

APPLICATIONS





PG - Air blasts



MODEL	AIR CONSUMPTION (NL)		I Ø PIPE mm	AIR INLET BSPP	DIMENSIONAL SPECIFICATIONS		
	3 bar	6 bar			A mm	B mm	C mm
	PG 40	3.6	5.3	6	1/8" BSPP	130	220
PG 63	6.4	11.6	8	1/4" BSPP	160	260	283
PG 80	12.5	21	8	1/4" BSPP	200	308	336

PG - AIR BLASTS

APPLICATION	Hopper and silo
POWDER	Large size, irregular shape, fibrous dust and flakes
PROBLEM SOLVING	Bridge and rat-holing

FEATURES

DUTY CYCLE	Discontinuous
WORKING PRESSURE	From 3 bar to 6 bar (from 43 psi to 87 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve
AIR SUPPLY QUALITY	Class 5.4.1.
WORKING TEMPERATURE	From -20°C to 80°C (from -4°F to 176°F)
MAX NOISE LEVEL	105 dB (a)
TECHNOLOGY	High pressure jet
MATERIAL	Steel body and plate, PS040-063 nylon (PS080 aluminium) head

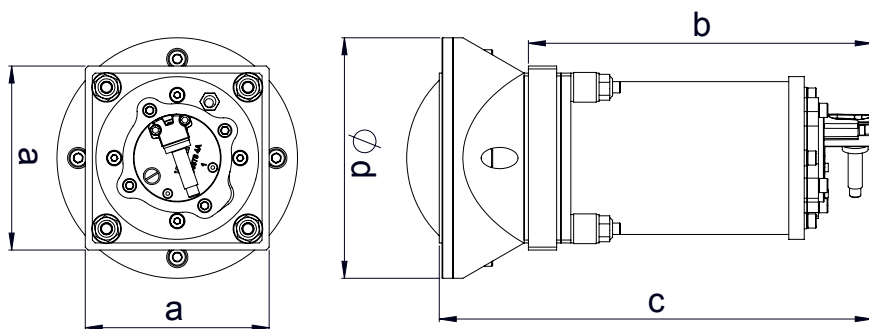
OPTIONS

TIMER	Adjustable from 30sec to 45min
MULTI-TENSION COILS	From 24v (Ac/Dc) to 230v
FULLY PNEUMATIC KIT	Available

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PJ - Air Jet - Combined hammer blasts



DIMENSIONAL SPECIFICATIONS

MODEL	A	B	C	ØD
	mm	mm	mm	mm
PJ 40	130	220	306	170
PJ 63	160	260	363	222
PJ 80	200	308	435	280

MODEL	ENERGY (J)	FORCE (N)	ENERGY (J)	FORCE (N)	AIR CONSUMPTION (NI)		I Ø PIPE	AIR INLET
	3 bar		6 bar		3 bar	6 bar	mm	BSPP
PJ 40	8.4	199	18.1	429	3.6	5.3	6	1/8" BSPP
PJ 63	28.8	589	62	1268	6.4	11.6	8	1/4" BSPP
PJ 80	59.2	846	153	2186	12.5	21	8	1/4" BSPP

PJ - AIR JET - COMBINED HAMMER BLASTS

APPLICATION	Hopper and silo
POWDER	Fine and dust
PROBLEM SOLVING	Bridge and rat-holing

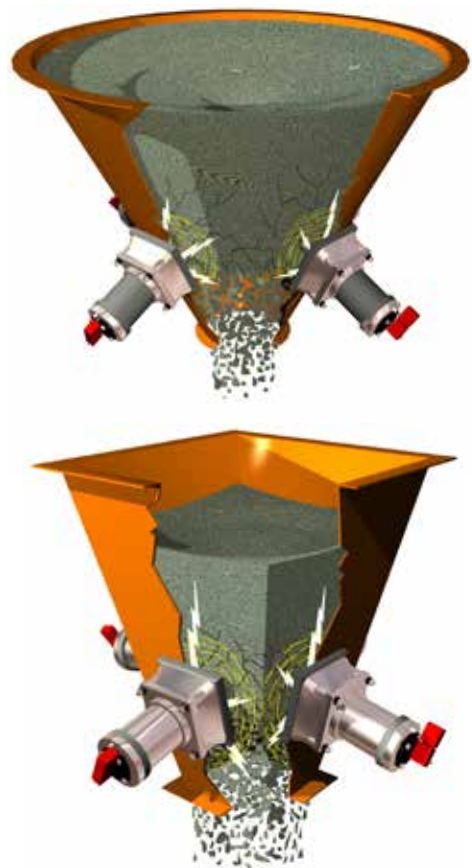
FEATURES

DUTY CYCLE	Discontinuous
WORKING PRESSURE	From 3 bar to 6 bar (from 43 psi to 87 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve
AIR SUPPLY QUALITY	Class 5.4.1.
WORKING TEMPERATURE	From -20°C to 80°C (from -4°F to 176°F)
MAX NOISE LEVEL	125 dB(a)
TECHNOLOGY	Single impact + high pressure blast
MATERIAL	Steel body, nylon base, steel attachment plate, PS040-063 nylon (PS080 aluminium) head

OPTIONS





TIMER	Adjustable from 30sec to 45min
MULTI-TENSION COILS	From 24V (ac/dc) to 230V
FULLY PNEUMATIC KIT	Available

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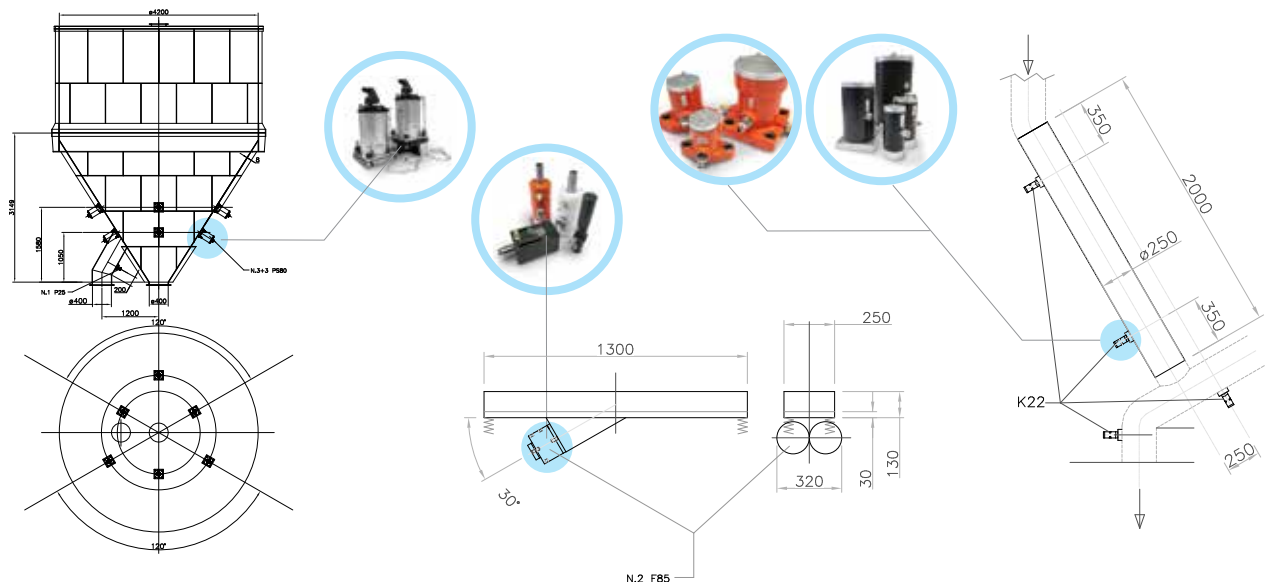


EXTERNAL APPLICATION

LINEAR PNEUMATIC VIBRATORS

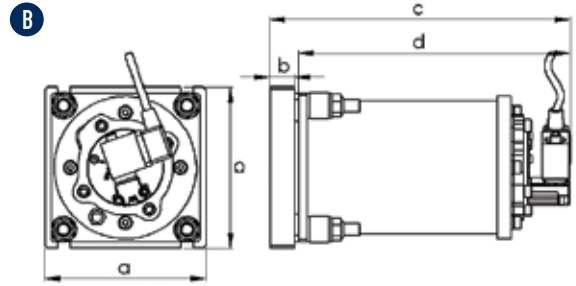
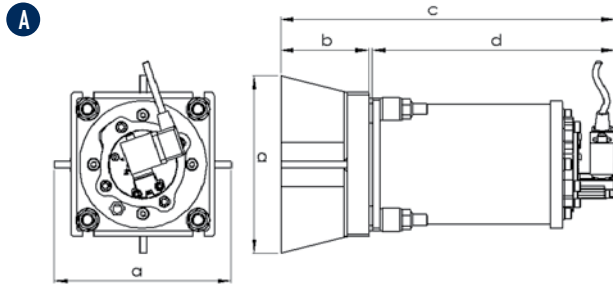
PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
SINGLE IMPACT - MARTSHOCK PS 	Silos Storage systems Hoppers	Hygroscopic powders. Flour Detergents Phosphates Fertilizers Lime Cement Clay Pigments	High impact strength solves bridging or rat holing problems. Atex II3D T85 °C (pneumatic only).	Economical Low air consumption Efficient Zero impact on silo structure Multi-voltage Integrated solenoid valve Timer
CONTINUOUS IMPACT P 	Silos Hoppers Piping Salt spreaders Dump trucks Rail cars	Hygroscopic, humid powders. Sludge Aggregates Sand Salt Foundry sand Animal feed	Sturdy, compact heavy-duty design, high temperature applications. Atex II2GD T200 °C.	Economical Low air consumption Efficient Suitable for high temperature and outdoor applications
CUSHIONED K 	Silos Hoppers Piping Tanks Compacting Vibrating feeders, tables and channels	Hygroscopic or dusty powders, granules. Animal feed Aggregates Plastics Foods	Suitable for food or chemical applications Suitable for dusty environments. Atex II2GD T135°C.	Economical Silent Low air consumption Easy to install
ADJUSTABLE CUSHIONED F 	Hoppers Chutes Vibrating feeders, Tables and channels	Hygroscopic or dusty powders; granules.	Alternative option to K. Compact design. Available in different shapes and casing materials. Threaded shaft for amplitude and force adjustment. Atex II2GD T210°C.	Economical Silent Low air consumption Easy to install Adjustable force and vibration frequency

APPLICATIONS





PS - Linear pneumatic vibrators - Single impact



DIMENSIONAL SPECIFICATIONS - PS TYPE "A" [≤ 3MM HOPPER THICKNESS]

MODEL	A	B	C	D
	mm	mm	mm	mm
PS 40	160	80	302	219
PS 63	200	95	357	259
PS 80	250	119	430	308

DIMENSIONAL SPECIFICATIONS - PS TYPE "B" [> 3MM HOPPER THICKNESS]

MODEL	A	B	C	D
	mm	mm	mm	mm
PS 40	130	20	242	219
PS 63	163	20	282	259
PS 80	200	25	336	308



MODEL	ENERGY (J)	FORCE (N)	ENERGY (J)	FORCE (N)	AIR CONSUMPTION (NL)		I Ø PIPE	AIR INLET
	3 bar		6 bar		3 bar	6 bar	mm	BSPP
	PS 40	8.4	199	18.1	429	3.6	5.3	6
PS 63	28.8	589	62	1268	6.4	11.6	8	1/4" BSPP
PS 80	59.2	846	153	2186	12.5	21	8	1/4" BSPP

PS - LINEAR PNEUMATIC VIBRATORS - SINGLE IMPACT

APPLICATION	Hopper and silo
POWDER	Hygroscopic
PROBLEM SOLVING	Bridge and rat-holing

FEATURES

DUTY CYCLE	Discontinuous
WORKING PRESSURE	From 3 bar to 6 bar (from 43 psi to 87 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve
AIR SUPPLY QUALITY	Class 5.4.1.
WORKING TEMPERATURE	From -20°C to 80°C (from -4°F to 176°F)
MAX NOISE LEVEL	125 dB(a)
TECHNOLOGY	Single impact
MATERIAL	Steel body, steel attachment plate, PS040-063 nylon (PS080 aluminium) head

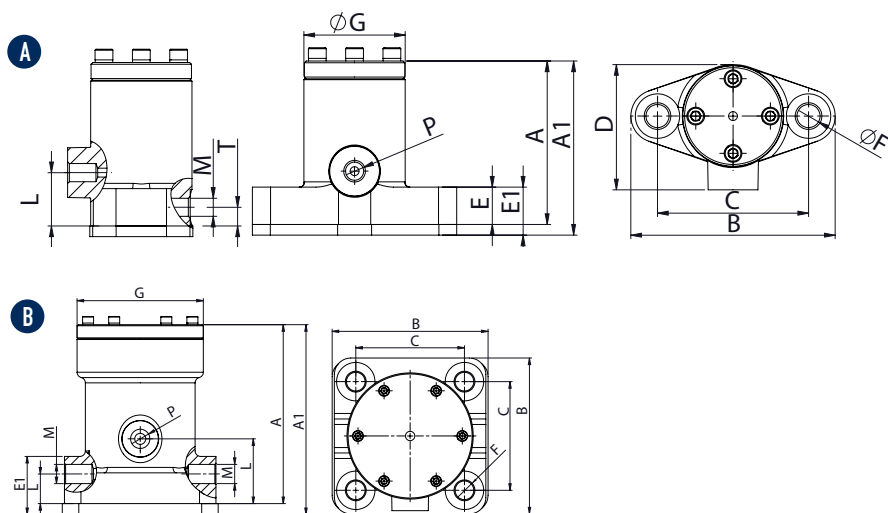
OPTIONS

KIT ATEX	II 3D C T85°C - PP plate, technothane tablet
TIMER	Adjustable from 30sec to 45min
MULTI-TENSION COILS	From 24V (ac/dc) to 230V
FULLY PNEUMATIC KIT	Available

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P - Linear pneumatic vibrators - Continuous impact



DIMENSIONAL SPECIFICATIONS

MODEL	DRAW.	A		A1		B		C		D		E		E1		F		G		H		P	L		M		N		WEIGHT	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		IN BSPP	mm	in	OUT BSPP	mm	in	kg	lb
P25	A	92	3.62	98	3.90	115	4.52	85	3.34	70	2.75	21	0.80	27	1.06	13	0.51	58	2.28	30	1.18	1/4"	10.5	0.41	1/4"	25	0.98	2.2	4.9	
P40	A	121	4.76	127	5.00	148	5.8	110	4.33	91	3.58	25	1.00	31	1.22	17	0.67	75	2.95	45	1.77	3/8"	16	0.63	3/8"	35	1.37	4.5	9.9	
P60	B	163	6.41	173	6.4	138x142	5.4x5.5	99x99	3.9x3.9	125	4.92	28	1.1	38	1.50	17	0.67	115	4.52	60	2.36	1/2"	27	1.06	2x1/2"	60	2.36	11	24.3	

MODEL	2 bar - 29 psi								4 bar - 58 psi								6 bar - 87 psi							
	VIBRA-TION		FORCE		WORKING MOMENT		AIR CONSUMP.		VIBRA-TION		FORCE		WORKING MOMENT		AIR CONSUMP.		VIBRA-TION		FORCE		WORKING MOMENT		AIR CONSUMP.	
	V/min	N	lb	kg*cm	in*lb	l/min	Cfm	V/min	N	lb	kg*cm	in*lb	l/min	Cfm	V/min	N	lb	kg*cm	in*lb	l/min	Cfm			
P25	2500	294	66.1	0.43	0.37	55	1.94	3800	680	152.9	0.43	0.37	80	2.83	4500	954	214.5	0.43	0.37	200	7.1			
P40	1650	484	108.8	1.63	1.41	31	1.09	2200	860	193.3	1.63	1.41	120	4.24	2800	1396	313.8	1.63	1.41	250	8.8			
P60	1200	1296	291.3	4.11	3.57	100	3.53	1600	2304	517.9	4.11	3.57	250	8.83	1900	3250	730.6	4.11	3.57	400	14.1			

P - LINEAR PNEUMATIC VIBRATORS - CONTINUOUS IMPACT

APPLICATION Hopper silo - salt spreader - dump trailer - rail cart

POWDER Hygroscopic - humid - sticky

PROBLEM SOLVING Bridge and rat-holing

FEATURES

DUTY CYCLE Continuous

WORKING PRESSURE From 2 bar to 6 bar (from 29 psi to 87 psi)

PNEUMATIC CIRCUIT Filter + flow control valve + lubrication + 3/2 ways valve

AIR SUPPLY QUALITY Class 5.4.4.

WORKING TEMPERATURE From -20°C to 200°C (from -4°F to 392°F)

MAX NOISE LEVEL 100 dB(a)

TECHNOLOGY Piston pneumatic impact

MATERIAL Grey cast iron body (powder painted) - aluminium cover

OPTIONS

KIT ATEX II 2D CT(X)
II 2G CT(X)

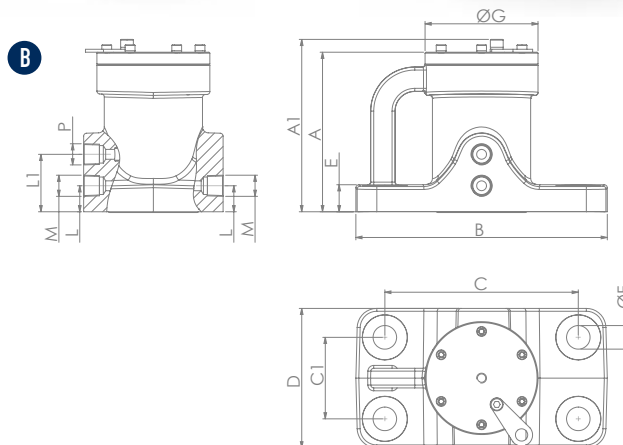
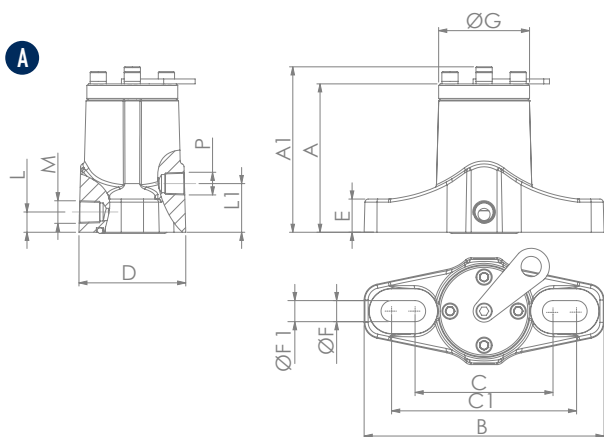
SAFETY CHAIN Available

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P-US - Linear pneumatic vibrators - Continuous impact

COMPATIBLE WITH MOST COMMON US FOOT PRINT



DIMENSIONAL SPECIFICATIONS

MODEL	DRAW.	A		A1		B		C		C1		D		E		ØF		ØF1		ØG		P	L		L1		M	WEIGHT	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	IN NPT	mm	in	mm	in	OUT NPT	kg	lb
P1 R	A	91.5	3.57	102.0	3.98	148	5.77	85	3.32	114	4.45	66	2.57	21	0.80	13	0.51	/	/	56	2.18	1/4"	30	1.17	12.5	0.49	1/4"	2.2	4.9
P2 R	A	120.5	4.70	133.5	5.21	234	9.13	110	4.29	191	7.45	96	3.74	24.5	0.96	19	0.74	17	0.66	75	2.93	3/8"	44.5	1.74	19	0.72	3/8"	5.5	12.1
P3 R	A	162.5	6.34	175.5	6.84	235	9.17	153	5.97	190	7.41	130	5.07	27.5	1.07	16	0.62	/	/	115	4.49	1/2"	58.5	2.28	26.5	1.03	1/2"	11.0	24.3
P3 S	B					256	9.98	197	7.68	83	3.24	142	5.54			24	0.94	/	/									14.0	30.9

MODEL	2 bar - 29 psi						4 bar - 58 psi						6 bar - 87 psi								
	VIBRATION	FORCE		WORKING MOMENT		AIR CONSUMP.		VIBRATION	FORCE		WORKING MOMENT		AIR CONSUMP.		VIBRATION	FORCE		WORKING MOMENT		AIR CONSUMP.	
	V/min	N	lb	kg*cm	in*lb	l/min	Cfm	V/min	N	lb	kg*cm	in*lb	l/min	Cfm	V/min	N	lb	kg*cm	in*lb	l/min	Cfm
P1 R	2500	294	66.1	0.43	0.37	55	1.94	3800	680	152.9	0.43	0.37	80	2.83	4500	954	214.5	0.43	0.37	200	7.1
P2 R	1650	484	108.8	1.63	1.41	70	1.09	2200	860	193.3	1.63	1.41	120	4.24	2800	1396	313.8	1.63	1.41	250	8.8
P3 R	1200	1296	291.3	4.11	3.57	100	3.53	1600	2304	517.9	4.11	3.57	250	8.83	1900	3250	730.6	4.11	3.57	400	14.1
P3 S																					

P-US - LINEAR PNEUMATIC VIBRATORS - CONTINUOUS IMPACT

APPLICATION Hopper silo - salt spreader - dump trailer - rail cart

POWDER Hygroscopic - humid - sticky

PROBLEM SOLVING Bridge and rat-holing

FEATURES

DUTY CYCLE Continuous

WORKING PRESSURE From 2 bar to 6 bar (from 29 psi to 87 psi)

PNEUMATIC CIRCUIT Filter + flow control valve + lubrication + 3/2 ways valve

AIR SUPPLY QUALITY Class 5.4.4.

WORKING TEMPERATURE From -20°C to 200°C (from -4°F to 392°F)

MAX NOISE LEVEL 100 dB(a)

TECHNOLOGY Piston pneumatic impact

MATERIAL Grey cast iron body (powder painted) - aluminium cover

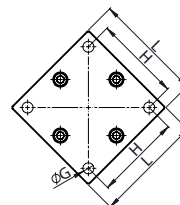
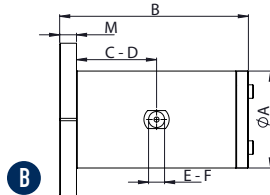
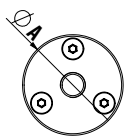
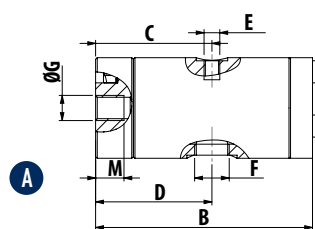
OPTIONS

KIT ATEX II 2D CT(X)
II 2G CT(X)

SAFETY CHAIN Available



K - Linear pneumatic vibrators - Cushioned



DIMENSIONAL SPECIFICATIONS																						
MODEL	DRAW.	A		B		C		D		E		F		G	H		L		M		WEIGHT	
		mm	in	mm	in	mm	in	mm	in	IN	OUT		mm	in	mm	in	mm	in	mm	in	kg	lb
K 15 - K 15 LF	A	32	1.26	69	2.72	37	1.46	37	1.46	M5	1/8" BSPP	M8	/	/	/	/	/	/	9	0.35	0.17	0.37
K 22 - K 22 LF	A	45	1.77	105	4.13	56	2.2	56	2.2	1/8" BSPP	1/8" BSPP	M10	/	/	/	/	/	13	0.51	0.5	1.1	
K 30 - K 30 LF	A	60	2.36	116	4.57	62	2.44	62	2.44	1/4" BSPP	1/4" BSPP	M12	/	/	/	/	/	13	0.51	1.03	2.27	
K 45 - K 45 LF	B	80	3.15	151	5.94	78	3.07	78	3.07	1/4" BSPP	3/8" BSPP	ø 8.5	72	2.83	90	3.54	15	0.59	2.86	6.3		
K 60 - K 60 LF	B	115	4.53	224	8.82	115	4.53	115	4.53	1/2" BSPP	1/2" BSPP	ø 13	102	4.02	130	5.12	20	0.79	4.6	10.14		

LF = Lubrication Free

MODEL	2 BAR - 29 PSI								4 BAR - 58 PSI								6 BAR - 87 PSI										
	VIBRATION		FORCE		WORKING MOMENT		AIR CONSUMP.		VIBRATION		FORCE		WORKING MOMENT		AIR CONSUMP.		VIBRATION		FORCE		WORKING MOMENT		AIR CONSUMP.				
	VPM	N	lb	kg*cm	in*lb	l/min	cfm	VPM	N	lb	kg*cm	in*lb	l/min	cfm	VPM	N	lb	kg*cm	in*lb	l/min	cfm	VPM	N	lb	kg*cm	in*lb	l/min
K 15	5040	33.39	7.50	0.02	0.02	9	0.3	5880	45.45	10.21	0.02	0.02	15	0.5	6720	59.37	13.34	0.02	0.02	21	0.7						
K 22	2880	95.41	21.44	0.21	0.18	32	1.1	3480	139.30	31.31	0.21	0.18	50	1.8	4080	191.48	43.03	0.21	0.18	73	2.6						
K 30	2640	171.79	38.61	0.45	0.39	45	1.6	3120	239.94	53.92	0.45	0.39	90	3.2	3720	341.10	76.66	0.45	0.39	140	4.9						
K 45	1920	390.93	87.85	1.94	1.68	56	2	2400	610.82	137.27	1.94	1.68	125	4.4	2580	705.88	158.63	1.94	1.68	194	6.8						
K 60	1260	722.65	162.40	8.31	7.21	70	2.7	1560	1107.74	248.94	8.31	7.21	125	4.4	2160	2123.71	477.27	8.31	7.21	202	7.1						
K 15 LF	5040	33.39	7.50	0.02	0.02	9	0.3	5880	45.45	10.21	0.02	0.02	15	0.5	6720	59.37	13.34	0.02	0.02	21	0.7						
K 22 LF	2880	81.78	18.38	0.18	0.16	32	1.1	3480	119.40	26.83	0.18	0.16	50	1.8	4080	164.13	36.88	0.18	0.16	73	2.6						
K 30 LF	2640	160.34	36.03	0.42	0.36	45	1.6	3120	223.95	50.33	0.42	0.36	90	3.2	3720	318.36	71.55	0.42	0.36	140	4.9						
K 45 LF	1920	394.16	88.58	1.95	1.69	56	2	2400	615.87	138.41	1.95	1.69	125	4.4	2580	711.71	159.95	1.95	1.69	194	6.8						
K 60 LF	1260	722.65	162.40	8.31	7.21	70	2.7	1560	1107.74	248.94	8.31	7.21	125	4.4	2160	2123.71	477.27	8.31	7.21	202	7.1						

LF = Lubrication Free

K - CUSHIONED LINEAR PNEUMATIC VIBRATORS

APPLICATION	Hopper silo - compaction - vibrating feeder - table and channel
POWDER	Hygroscopic - dusty and granular
PROBLEM SOLVING	Detaching and compacting

FEATURES

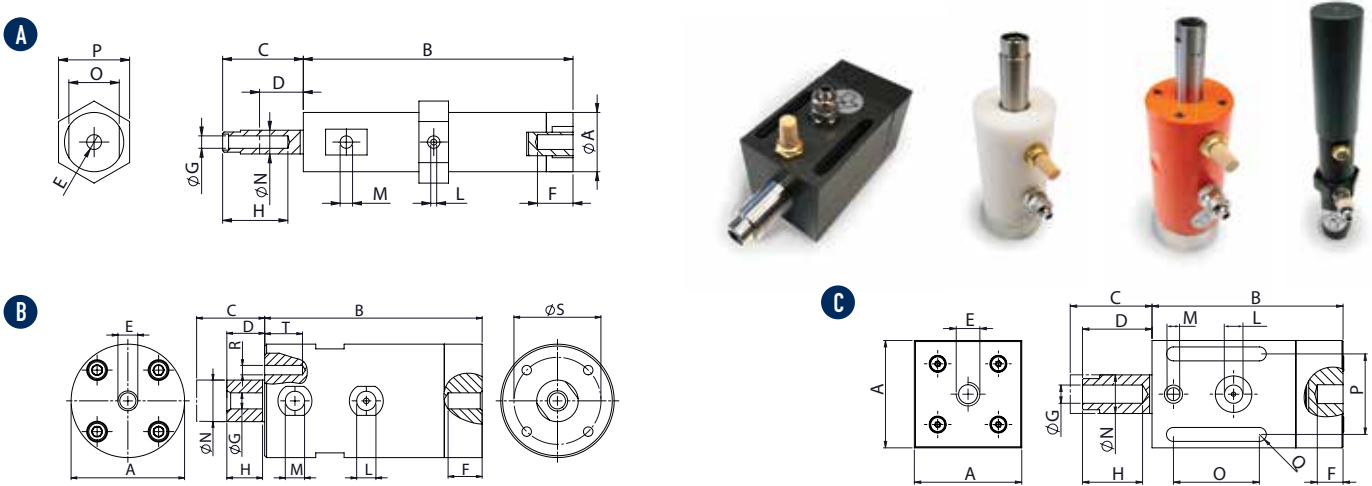
DUTY CYCLE	Continuous
WORKING PRESSURE	From 2 bar to 6 bar (from 29 psi to 87 psi)
PNEUMATIC CIRCUIT	K: Filter + flow control valve + lubrication + 3/2 ways valve K-LF: Filter + flow control valve + 3/2 ways valve
AIR SUPPLY QUALITY	K: Class 5.4.4 K-LF: Class 5.4.1
WORKING TEMPERATURE	From -20°C to 130°C (from -4°F to 266°F)
MAX NOISE LEVEL	80dB(a)
TECHNOLOGY	Piston pneumatic cushioned
ATEX	II 2D CT(X) II 2G CT(X)
MATERIAL	Aluminium body

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F - Linear pneumatic vibrators - Adjustable cushioned



DIMENSIONAL SPECIFICATIONS

MODEL	DRAW.	A		B		C		D		E		F		G		H		I		L		M		N		O		P		Q		R		S		T		WEIGHT	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb
F8	A	20	0.79	91	3.58	30	1.18	5	0.2	M6	10	0.39	M5	20	0.79	7	0.28	M5	M5	8	0.32	17	0.67	24	0.94	/	/	/	/	/	/	/	/	/	/	/	/	0.09	0.21
F15	B	50	1.97	115	4.53	41	1.61	7	0.28	M10	15	0.59	M10	15	0.59	13	0.51	1/8" BSPP	1/8" BSPP	15	0.59	12	0.47	/	/	36	1.42	M6	18	0.70	36	1.41	1.5	3.31					
F15P	B	50	1.97	115	4.53	39	1.54	9	0.35	M10	15	0.59	M10	22	0.87	13	0.51	1/8" BSPP	1/8" BSPP	16	0.63	/	/	/	/	/	/	M6	12	0.47	36	1.41	0.5	1.1					
F18	C	50	1.97	89	3.50	32	1.26	10	0.39	M10	10	0.39	M10	26	1.02	12	0.47	1/8" BSPP	1/8" BSPP	18	0.71	40	1.57	37.5	1.48	6.5	0.26	/	/	/	/	/	/	/	/	/	0.6	1.32	
F25	B	60	2.36	115	4.53	45	1.77	10	0.39	M10	15	0.59	M10	15	0.59	19	0.75	1/4" BSPP	1/4" BSPP	22	0.87	15	0.59	/	/	46	1.81	M6	18	0.70	46	1.81	2.3	5.07					
F40	B	85	3.35	140	5.51	57	2.24	13	0.51	M16	17	0.67	M16	20	0.79	36	1.42	1/4" BSPP	3/8" BSPP	40	1.57	20	0.79	/	/	65	2.56	M6	16	0.62	65	2.55	5.7	12.5					
F85	B	160	6.3	122	4.8	52	2.05	22	0.87	M20	30	1.18	M20	30	1.18	/	/	3/8" BSPP	2x3/8" BSPP	85	3.35	/	/	/	/	/	/	M6	17	0.66	140	5.51	16.5	36.3					

MODEL	2 bar								4 bar								6 bar										
	VIBRATION		FORCE		WORKING MOMENT		AIR CONSUMPTION		VIBRATION		FORCE		WORKING MOMENT		AIR CONSUMPTION		VIBRATION		FORCE		WORKING MOMENT		AIR CONSUMPTION				
	V/min	N	lb	kg*cm	in*lb	l/min	cfm	V/min	N	lb	kg*cm	in*lb	l/min	cfm	V/min	N	lb	kg*cm	in*lb	l/min	cfm	V/min	N	lb	kg*cm	in*lb	l/min
F8	2020	2.21	0.5	0.04	0.04	7	0.2	2950	5.07	1.1	0.04	0.04	19	0.7	3600	7.72	1.7	0.04	0.04	28	1						
F15	2280	10.80	2.4	0.16	0.15	20	0.7	2520	17.64	4.0	0.22	0.19	38	1.3	2820	22.05	5.0	0.22	0.19	67	2.4						
F15P	1920	9.70	2.2	0.21	0.18	20	0.7	2160	16.32	3.7	0.29	0.25	42	1.5	2340	19.40	4.4	0.29	0.25	80	2.8						
F18	2070	17.86	4.0	0.34	0.29	29	1	2520	26.46	5.9	0.36	0.31	55	1.9	3300	47.85	10.8	0.36	0.31	100	3.5						
F25	1860	19.85	4.5	0.46	0.4	32	1.1	2040	28.44	6.4	0.56	0.48	60	2.1	2220	33.96	7.6	0.56	0.48	105	3.7						
F40	1380	46.08	10.4	1.96	1.7	80	2.8	1560	74.53	16.7	2.49	2.15	190	6.7	1740	92.83	20.9	2.49	2.15	320	11.2						
F85	1680	220.94	49.7	6.36	5.5	240	8.4	1980	358.09	80.5	7.42	6.42	390	13.7	2280	474.96	106.7	7.42	6.42	580	20.4						

F - LINEAR PNEUMATIC VIBRATORS - ADJUSTABLE CUSHIONED

APPLICATION Vibrating feeder - table and channel

POWDER Hygroscopic - dusty and granular

PROBLEM SOLVING Detaching and compacting

FEATURES

DUTY CYCLE Continuous

WORKING PRESSURE From 2 bar to 6 bar (from 29 psi to 87 psi)

PNEUMATIC CIRCUIT Filter + flow control valve + lubrication + 3/2 ways valve

AIR SUPPLY QUALITY Class 5.4.4. | F15P - F18Q class 5.4.1

WORKING TEMPERATURE From -20°C to 200°C (from -4°F to 392°F) | F15P - from -20°C to 100°C (from -4°F to 212°F)

MAX NOISE LEVEL 80dB(a)




TECHNOLOGY Piston pneumatic cushioned

ATEX II 2D CT(X)
II 2G CT(X)

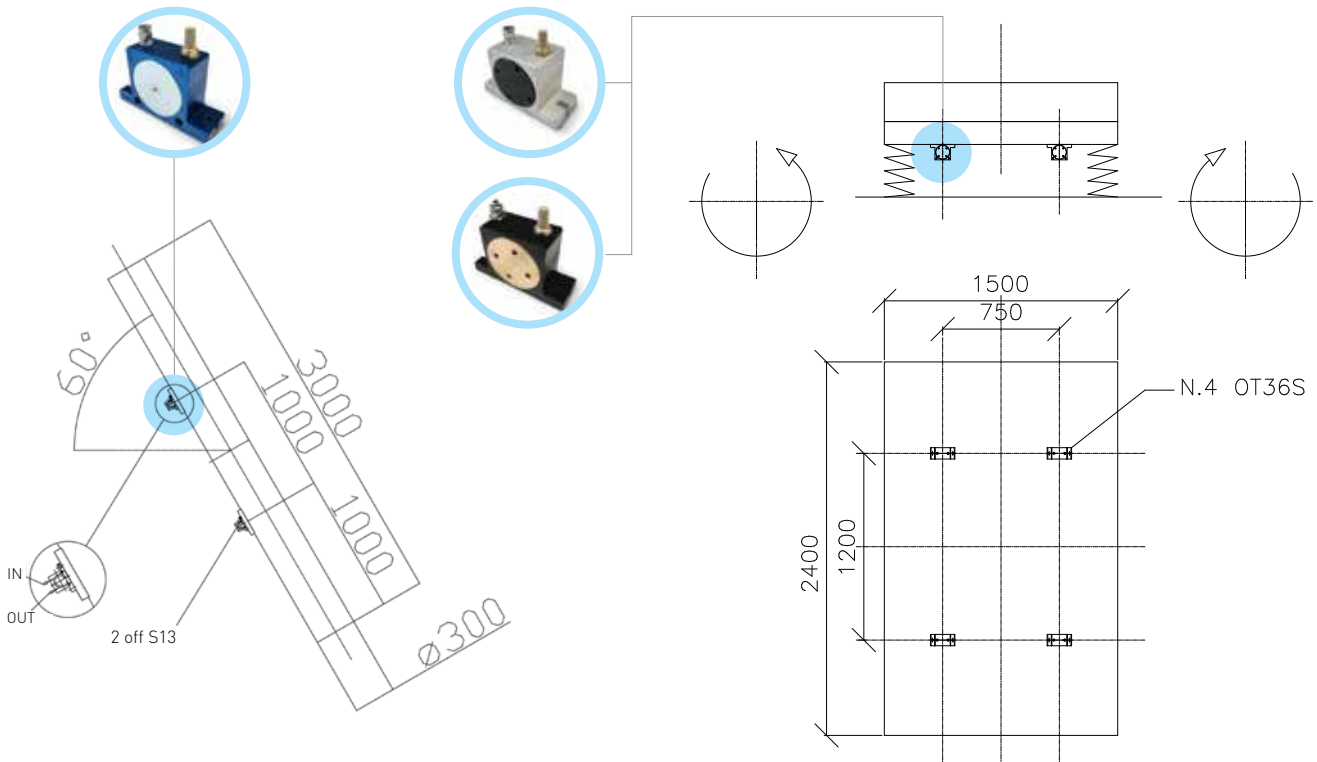
MATERIAL Grey cast iron body (powered painted)
F15P: nylon body and aluminium cover
F18: aluminium body (square shape)

EXTERNAL APPLICATION

ROTARY PNEUMATIC VIBRATORS

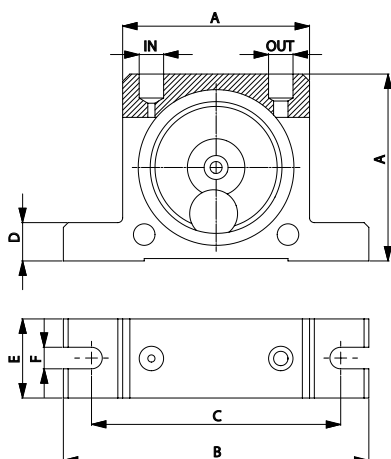
PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
BALL VIBRATORS S 	Silos Hoppers Piping Chutes Compacting	Dry powders. Granules Plastics Sand Ashes Cement Lime	Filter sleeve cleaning. Suitable for outdoor use. Resistant to oxidation. Atex II2GD T210°C.	Economical Low air consumption High frequency vibration
ROLLER VIBRATORS OR 	Silos Hoppers Piping Chutes Concrete compaction	Hygroscopic powders. Cement Concrete Sand Foundry sand	Compact and robust design. Suitable for outdoor use. Resistant to oxidations. II2GD T210°C.	High centrifugal force Low air consumption High frequency vibration Suitable for high temperature
TURBINE VIBRATORS OT 	Silos Hoppers Piping Chutes	Food powders. Sugar Bicarbonate Phosphate Sodium	Suitable for food and pharmaceutical applications. Resistant to oxidation. Atex II2GD T125°C.	High performance Silent Low air consumption

APPLICATIONS





S - Rotary pneumatic vibrators - Ball



DIMENSIONAL SPECIFICATIONS

MODEL	A		B		C		D		E		F		IN-OUT	WEIGHT	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		kg	lbs
S8	50	1.97	86	3.39	68	2.68	12	0.47	20	0.79	7	0.28	1/8" BSPP	0.13	0.29
S10	50	1.97	86	3.39	68	2.68	12	0.47	20	0.79	7	0.28	1/8" BSPP	0.13	0.29
S13	65	2.56	113	4.45	90	3.54	16	0.63	25	0.98	9	0.35	1/4" BSPP	0.26	0.57
S16	65	2.56	113	4.45	90	3.54	16	0.63	28	1.10	9	0.35	1/4" BSPP	0.30	0.66
S20	80	3.15	128	5.04	104	4.09	16	0.63	33	1.30	9	0.35	1/4" BSPP	0.53	1.17
S25	80	3.15	128	5.04	104	4.09	16	0.63	38	1.50	9	0.35	1/4" BSPP	0.63	1.39
S30	100	3.94	160	6.30	130	5.12	20	0.79	45	1.77	11	0.43	3/8" BSPP	1.13	2.49
S36	100	3.94	160	6.30	130	5.12	20	0.79	50	1.97	11	0.43	3/8" BSPP	1.34	2.95

MODEL	VIBRATION			F.C. MAX						AIR CONSUMPTION					
	Vpm			2bar = 29psi		4bar = 58psi		6bar = 87 psi		2bar = 29psi		4bar = 58psi		6bar = 87 psi	
	2bar = 29psi	4bar = 58psi	6bar = 87 psi	kg	lbs	kg	lbs	kg	lbs	l/min	CF/min	l/min	CF/min	l/min	CF/min
S8	25500	31000	35000	13	29	26	57	36	79	83	2.9	145	5.1	195	6.9
S10	22500	28000	34000	25	55	47	103	71	156	92	3.2	150	5.3	200	7.1
S13	15000	18500	22500	32	70	55	121	87	191	94	3.3	158	5.6	225	7.9
S16	13000	17000	19500	45	99	80	176	110	242	122	4.3	200	7.1	280	9.9
S20	10500	14500	16500	72	158	122	268	172	378	130	4.6	230	8.1	340	12.0
S25	9200	12200	14000	93	205	157	345	205	451	160	5.7	290	10.2	425	15.0
S30	7800	9700	12500	151	332	247	543	321	706	215	7.6	375	13.2	570	20.1
S36	7300	9000	10000	206	453	315	693	405	891	260	9.2	475	16.8	675	23.8

S - ROTARY PNEUMATIC VIBRATORS - BALL

APPLICATION Hopper and silo - screen - vibrating table - chute

POWDER Dry and granular

PROBLEM SOLVING Friction reduction - separation

FEATURES

DUTY CYCLE Continuous

WORKING PRESSURE From 2 bar to 6 bar (from 29 psi to 87 psi)

PNEUMATIC CIRCUIT Filter + flow control valve + lubrication + 3/2 ways valve

AIR SUPPLY QUALITY Class 5.4.4.

WORKING TEMPERATURE From -20°C to 200°C (from -4°F to 392°F)

MAX NOISE LEVEL 90 dB(a)

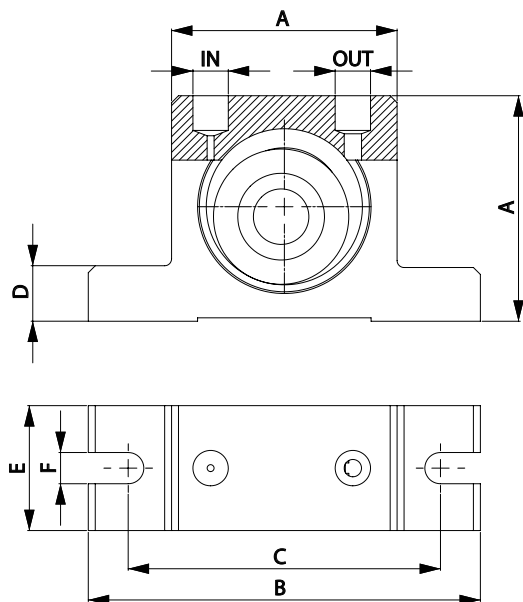
TECHNOLOGY Rotary vibration - high frequency

ATEX II 2D CT(X)
II 2G CT(X)

MATERIAL Aluminium body and zinc plate cover



OR - Rotary pneumatic vibrators - Roller



DIMENSIONAL SPECIFICATIONS

MODEL	A		B		C		D		E		F		IN-OUT	WEIGHT	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		kg	lbs
OR50	50	1.97	86	3.39	68	2.68	12	0.47	30	1.18	7	0.28	1/8" BSPP	0.37	0.81
OR65	65	2.56	113	4.45	90	3.54	16	0.63	36	1.42	9	0.35	1/4" BSPP	0.76	1.67
OR80	80	3.15	128	5.04	102	4.02	16	0.63	40	1.57	9	0.35	1/4" BSPP	1.27	2.79
OR100	100	3.94	160	6.30	130	5.12	20	0.79	52	2.05	11	0.43	1/4"-3/8" BSPP	2.60	5.72

MODEL	VIBRATION			F.C. MAX						AIR CONSUMPTION					
	Vpm			2bar = 29psi		4bar = 58psi		6bar =87psi		2bar = 29psi		4bar = 58psi		6bar =87psi	
	2bar = 29psi	4bar = 58psi	6bar =87psi	kg	lbs	kg	lbs	kg	lbs	l/min	CF/min	l/min	CF/min	l/min	CF/min
OR50	21000	25000	29500	188	413	281	619	355	780	78	2.8	144	5.1	204	7.2
OR65	19000	22000	26000	235	516	439	966	552	1215	100	3.5	198	7.0	296	10.5
OR80	14000	16000	21500	342	752	587	1292	624	1373	122	4.3	255	9.0	378	13.3
OR100	6750	9750	11000	289	637	604	1329	783	1722	132	4.7	284	10.0	412	14.5

OR - ROTARY PNEUMATIC VIBRATORS - ROLLER

APPLICATION Hopper and silo - piping - chute - concrete compaction

POWDER Hygroscopic

PROBLEM SOLVING Friction reduction - compaction

FEATURES

DUTY CYCLE Continuous

WORKING PRESSURE From 2 bar to 6 bar (from 29 psi to 87 psi)

PNEUMATIC CIRCUIT Filter + flow control valve + lubrication + 3/2 ways valve

AIR SUPPLY QUALITY Class 5.4.4.

WORKING TEMPERATURE From -20°C to 200°C (from -4°F to 392°F)

MAX NOISE LEVEL <90 dB(a)

TECHNOLOGY Roller vibration - high frequency and centrifugal force

ATEX II 2D CT(X)
II 2G CT(X)

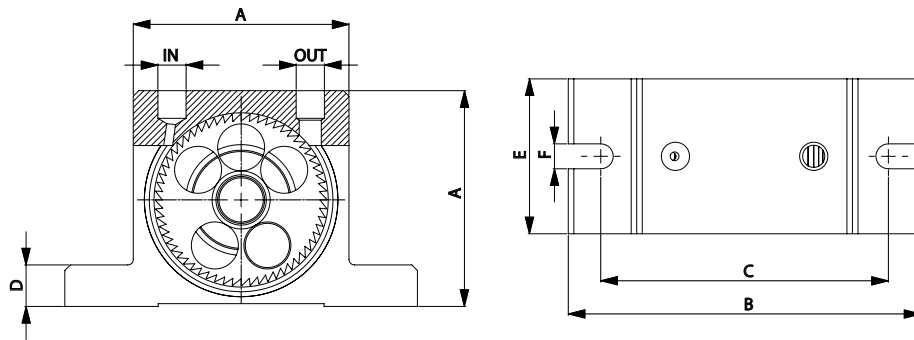
MATERIAL Aluminium body and brass cover

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OT - Rotary pneumatic vibrators - Turbine



DIMENSIONAL SPECIFICATIONS

MODEL	A		B		C		D		E		F		IN-OUT	WEIGHT	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		kg	lbs
OT8	50	1.97	86	3.39	68	2.68	12	0.47	33	1.30	7	0.28	1/8" BSPP	0.25	0.55
OT10														0.26	0.56
OT10S														0.26	0.58
OT13	65	2.56	113	4.45	90	3.54	16	0.63	42	1.65	9	0.35	1/4" BSPP	0.57	1.24
OT16														0.58	1.28
OT16S														0.61	1.35
OT20	80	3.15	128	5.04	104	4.09	16	0.63	56	2.20	9	0.35	1/4" BSPP	1.09	2.40
OT25														1.12	2.46
OT25S														1.20	2.64
OT30	100	3.94	160	6.30	130	5.12	20	0.79	73	2.87	11	0.43	3/8" BSPP	2.20	4.84
OT36														2.30	5.06
OT36S														2.53	5.57

MODEL	VIBRATION			F.C. MAX						AIR CONSUMPTION					
	Vpm			2bar = 29psi		4bar = 58psi		6bar = 87psi		2bar = 29psi		4bar = 58psi		6bar = 87psi	
	2bar = 29psi	4bar = 58psi	6bar = 87psi	kg	lbs	kg	lbs	kg	lbs	l/min	CF/min	l/min	CF/min	l/min	CF/min
OT8	34000	38000	42000	110	242	205	451	292	641	45	1.6	81	2.9	110	3.9
OT10	26000	33000	38000	105	231	171	377	252	554	45	1.6	81	2.9	110	3.9
OT10S	17200	23400	26000	72	159	147	323	187	410	45	1.6	81	2.9	110	3.9
OT13	24500	28500	31000	202	444	263	579	300	659	122	4.3	204	7.2	285	10.1
OT16	18000	20000	21000	194	427	239	527	264	581	122	4.3	204	7.2	285	10.1
OT16S	11500	15000	17500	129	285	196	431	234	516	122	4.3	204	7.2	285	10.1
OT20	14500	19000	23000	251	552	404	888	526	1157	184	6.5	318	11.2	452	16.0
OT25	13200	15500	17000	244	537	336	740	508	1117	184	6.5	318	11.2	452	16.0
OT25S	9000	11000	13500	214	471	335	738	483	1063	184	6.5	318	11.2	452	16.0
OT30	11000	12500	14500	351	771	721	1586	781	1718	322	11.4	542	19.1	749	26.5
OT36	8500	11500	12000	341	751	698	1536	749	1648	322	11.4	542	19.1	749	26.5
OT36S	6000	7000	8500	406	893	706	1554	754	1660	322	11.4	542	19.1	749	26.5

OT - ROTARY PNEUMATIC VIBRATORS - TURBINE

APPLICATION	Hopper and silo - screen - vibrating table - chute - concrete consolidation
POWDER	Dry and granular [food] - concrete
PROBLEM SOLVING	Friction reduction - separation - consolidation

FEATURES

DUTY CYCLE	Continuous
WORKING PRESSURE	From 2 bar to 6 bar (from 29 psi to 87 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve + 3/2 ways valve
AIR SUPPLY QUALITY	Class 5.4.1.
WORKING TEMPERATURE	From -20°C to 120°C (from -4°F to 248°F)
MAX NOISE LEVEL	<90 dB(a)
TECHNOLOGY	Turbine vibration - high frequency and centrifugal force
ATEX	II 2D CT(X) II 2G CT(X)
MATERIAL	Aluminium body

EXTERNAL APPLICATION

ELECTRIC VIBRATORS

PRODUCT SERIES

2 POLES MICRO
MVE-MICRO



APPLICATION

Small hoppers
Micro-screens
Chutes
Vibrating feeders,
tables and channels

POWDER

Fine, dry powder.

Plastics
Sugar
Bicarbonate
Seeds

FEATURES

Compact, uni-body,
heavy-duty design.
Supplied with
stainless steel covers
in standard version.
Atex II2D T100°C.

BENEFITS

Economical
Easy to install
Single phase cable
with built-in capacitor
Adjustable force

2 POLES
MVE



Silos
Hoppers
Dispensers
Agitators
Mixers
Filter cleaning
Vibrating feeders
and tables

Fine and dry powders, granules.

Cement
Flour
Grit
Sugar

Suitable for indoor
and outdoor use.
Silos and hoppers
of any material
and capacity from
200 to 10,000 kg.
Atex II2D T100°C.

Economical
Wide range
Special windings
for different
geographical areas
Adjustable force

DIRECT CURRENT
MVE-DC



Automotive
Hoppers
Salt and manure
spreaders
Dump trucks
Concrete pump
grids

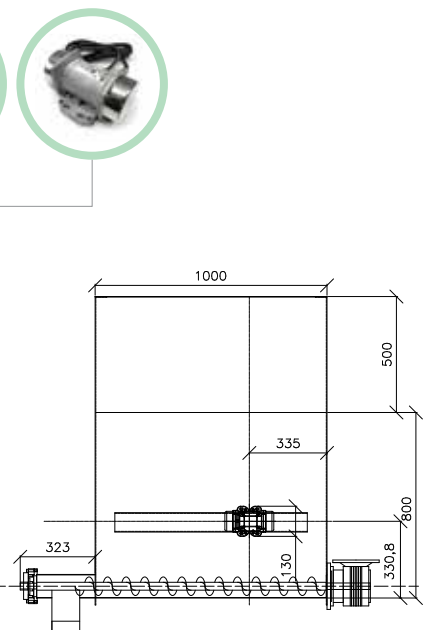
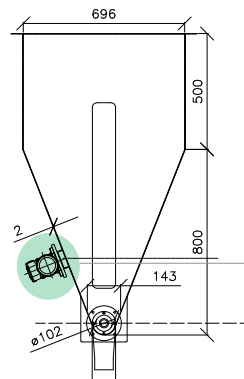
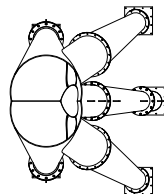
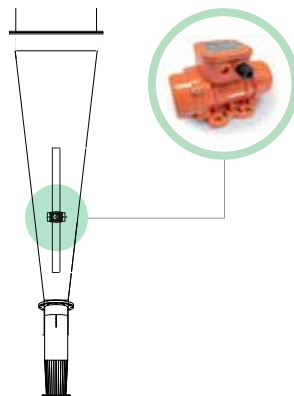
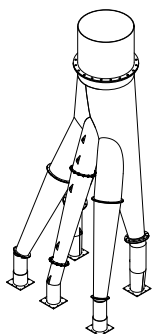
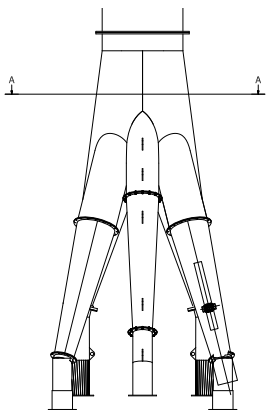
Granular powders.

Concrete
Fertilizers
Corn
Soy
Rice
Seeds
Salt
Sand

Stainless steel
covers.
DC Motor 3,000
RPM 12V-24V.
Power from 80
to 160 W.
Resistant to oxidation.

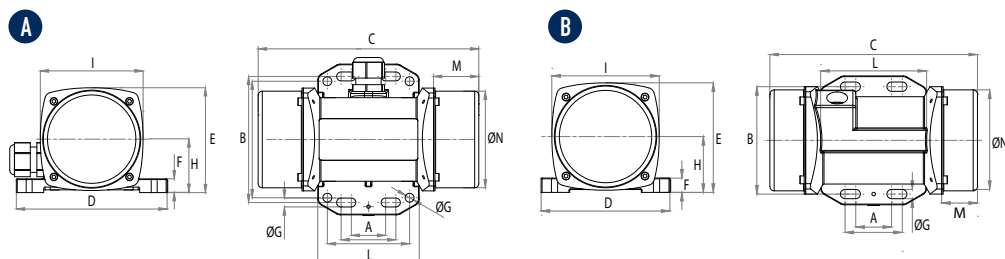
Economical
Robust
Safe
Terminal box connection
sealed (option)
Adjustable force

APPLICATIONS





MVE-MICRO - 2 poles electric vibrators



MODEL		DRAW.	C		M		A		B		Ø G		HOLES	D		E		F		H		I		L		N		SCREW	
50 / 60 Hz	60 Hz USA		mm	in	mm	in	mm	in	mm	in	mm	in	n°	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	Metric	in
MICRO 3M	MVE 0003	A	145	5.7	25	1.0	25-40 60	1-1.6 2.4	92 85	3.6 3.3	6.5 6.5	0.3 0.3	4	110	4.3	76.5	3.0	10	0.4	39	1.5	75	3.0	74	2.9	70.5	2.8	M5	3/16"
MICRO 6M	MVE 0006	B	145	5.7	25	1.0	25-40 60	1-1.6 2.4	92 85	3.6 3.3	6.5 6.5	0.3 0.3	4	90	3.5	76.5	3.0	10	0.4	39	1.5	75	3.0	74	2.9	70.5	2.8	M5	3/16"
MICRO 21, 21M	MVE 0021	A	145	5.7	25	1.0	25-40	1-1.6	92	3.6	6.5	0.3	4	110	4.3	76.5	3.0	10	0.4	39	1.5	75	3.0	74	2.9	70.5	2.8	M5	3/16"
MICRO 41, 41M	MVE 0041						60	2.4	85	3.3	6.5	0.3																	
MICRO 41, 41M	MVE 0041	A	161	6.3	33	1.3	25-40 60	1-1.6 2.4	92 85	3.6 3.3	6.5 6.5	0.3 0.3	4	110	4.3	76.5	3.0	10	0.4	39	1.5	75	3.0	74	2.9	70.5	2.8	M5	3/16"

MVE-MICRO THREE PHASE - 3000 RPM 400V 50HZ / 3600 RPM 460V / 60HZ

MODEL			WORKING MOMENT		CENTRIFUGAL FORCE				WEIGHT		ELECTRIC FEATURES				COS PHI							
			kg*cm		in*lb		kg				lb		POWER					CURRENT				
			50 Hz	60 Hz	60 Hz - USA	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	230V	400V	460V	230V	400V
MICRO 21	MICRO 21/36	MVE.0021.36.460	0.40	0.40	0.35	0.35	20	29	44	64	2	4.4	0.04	0.04	0.05	0.05	0.16	0.12	0.12	0.45	0.45	0.42
MICRO 41	MICRO 41/36	MVE.0041.36.460	0.90	0.90	0.78	0.78	45	65	99	143	2.4	5.3	0.06	0.06	0.08	0.08	0.30	0.18	0.18	0.44	0.44	0.40

MVE-MICRO SINGLE PHASE - 3000 RPM 230V 50HZ / 3600 RPM 115V 60HZ

MODEL			WORKING MOMENT		CENTRIFUGAL FORCE				WEIGHT		ELECTRICAL FEATURES				COS PHI					
			kg*cm		in*lb		kg				lb		POWER				CURRENT			
			50 Hz	60 Hz	60 Hz - USA	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	230V	115V	230V	115V	
MICRO 3M	MICRO 3/36M	MVE.0003.36.115	0.08	0.08	0.07	0.07	4	6	9	13	1.6	3.5	0.03	0.04	0.04	0.05	0.30	0.80	0.43	0.43
MICRO 6M	MICRO 6/36M	MVE.0006.36.115	0.12	0.12	0.10	0.10	6	9	13	20	1.6	3.5	0.03	0.04	0.04	0.05	0.30	0.80	0.43	0.43
MICRO 21M	MICRO 21/36M	MVE.0021.36.115	0.40	0.40	0.35	0.35	20	29	44	64	2	4.4	0.04	0.04	0.05	0.09	0.20	0.80	0.80	0.80
MICRO 41M	MICRO 41/36M	MVE.0041.36.115	0.90	0.90	0.78	0.78	45	65	99	143	2.4	5.3	0.05	0.07	0.07	0.09	0.25	0.80	0.80	0.80

MVE-MICRO - 2 POLES ELECTRIC VIBRATORS - THREE PHASE OR SINGLE PHASE

APPLICATION	Small hopper - micro screen - chute - vibrating feeder table and channels
POWDER	Fine - dry
PROBLEM SOLVING	Bridge and rat-holing

FEATURES

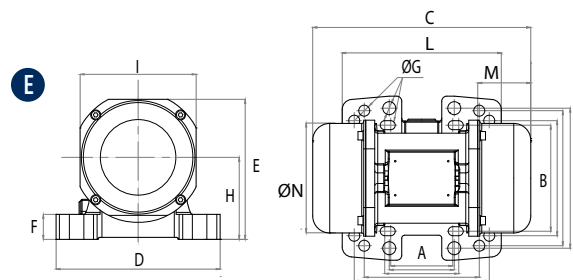
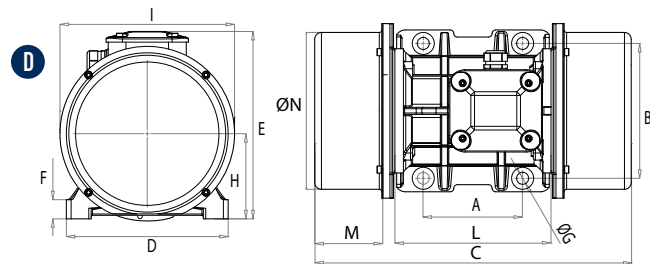
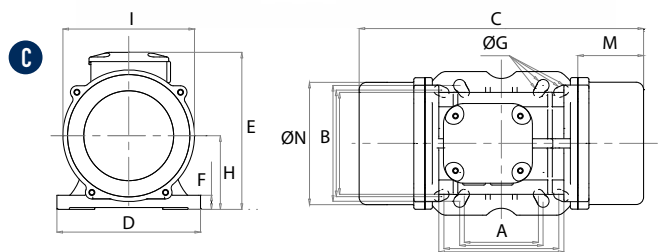
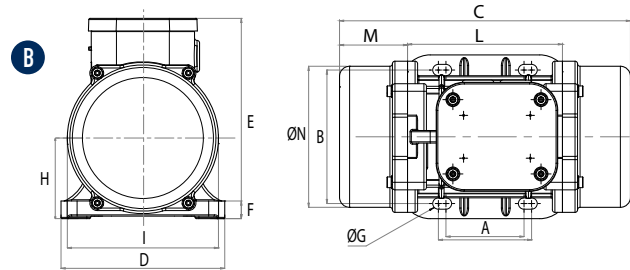
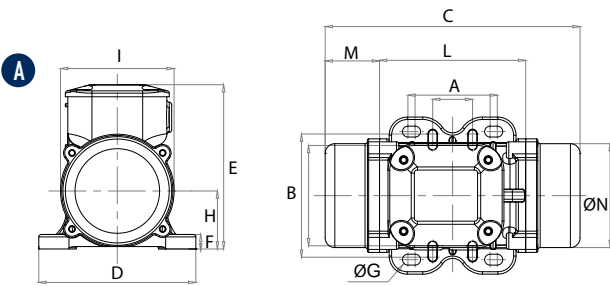
DUTY CYCLE	Continuous - S1
ENVIRONMENT TEMPERATURE	From -20°C to 40°C (rom -4°F to 104°F)
MAX NOISE LEVEL	76 dB(A)
ATEX	II 3 D Ex tD A22 Tx IP 66
MATERIAL	Body aluminium - stainless steel cover
CAPACITOR	MICRO 21 - 115v µF 4, 220v 50/60Hz µF1,5 MICRO 41 - 115v µF 4, 220v 50/60Hz µF3

OPTIONS

ATEX	II 2 D Ex t IIIC Tx Db IP 66
CUSTOMISED CABLE	Available



MVE - 2 poles electric vibrators



DIMENSIONAL SPECIFICATIONS

THREE PHASE		SINGLE PHASE	DRAWING	SIZE	C		M		A		B		ØG		HOLES	D		E		F		H		I		L		N		WEIGHT			
50 / 60 Hz	U.S. 60 Hz	50 / 60 Hz			mm	in	mm	in	mm	in	mm	in	mm	in		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb
MVE 60/3	MVE 160/2	MVE 60/3M	A	10	211	8.31	45	1.77	62-74	2.44-2.91	106	4.17	9	0.35	4	130	5.12	136	5.35	12	0.47	48	1.89	94	3.70	121	4.76	85	3.35	4.2	9.3		
MVE 100/3	MVE 220/2	MVE 100/3M							33	1.30	83-102	3.27-4.02	7	0.28																4.6	10.1		
MVE 200/3	MVE 440/2	MVE 200/3M	B	20	231	9.09	54	2.13	62-74	2.44-2.91	106	4.17	9	0.35	4	131	5.16	159	6.26	15	0.59	64	2.52	121	4.76	123	4.84	112	4.41	7.0	15.4		
MVE 202/3	MVE 444/2	MVE 202/3M	E	23	218	8.58	53	2.09	62-74	2.44-2.91	106	4.17	9	0.35	4	164	6.46	140	5.51	25	0.98	82	3.23	116	4.57	159	6.26	110	4.33	7.2	15.9		
									65	2.56	140	5.51	13	0.51																			
									115	4.53	135	5.31	11	0.43																			
MVE 300/3	MVE 690/2	MVE 300/3M	C	30	253	9.96	45	1.77	80	3.15	110	4.33	11	0.43	4	154	6.06	175	6.89	15	0.59	79	3.11	142	5.59	163	6.42	131	5.16	9.8	21.6		
									90	3.54	125	4.92	13	0.51																			
									124	4.88	110	4.33	11	0.43																			
MVE 400/3	MVE 890/2	-	D	50	321	12.64	58	2.28	135	5.31	115	4.53	11	0.43	4	208	8.19	210	8.27	22	0.87	94	3.70	180	7.09	205	8.07	170	6.69	20.6	45.4		
MVE 500/3	MVE 1200/2	-							105	4.13	140	5.51	13	0.51																		15.8	34.8
MVE 700/3	MVE 1700/2	-							105	4.13	140	5.51	13	0.51																		16.5	36.4

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MVE THREE PHASE

MODEL		ELECTRICAL FEATURES																				
		WORKING MOMENT				CENTRIFUGAL FORCE				POWER				CURRENT		POWER FACTOR		IA/IN		CLASSII DIV.2	II 2D	CABLE GLAND
		kg*cm		in*lb		kg		lb		kW		hp		A max (Y)								
50/60 Hz	U.S. 60 Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60 Hz	400V	460V	50Hz	60Hz	50Hz	60Hz	Temp. Class	Temp. Class	Class Temp.
MVE 60/3	MVE 160/2	1.3	0.9	1.1	0.9	66	71	145.5	156.5	0.08	0.09	0.11	0.12	0.16	0.18	0.74	0.82	3	3	T4	100	M16 80°C
MVE 100/3	MVE 220/2	1.9	1.3	1.7	1.1	98	95	216	209.4	0.1	0.11	0.13	0.15	0.19	0.18	0.76	0.85	3	3	T4	100	M20 80°C
MVE 200/3	MVE 440/2	3.7	2.6	3.2	2.3	187	189	412.3	416.7	0.18	0.21	0.24	0.28	0.35	0.35	0.78	0.87	3.3	3.30	T4	100	
MVE 202/3	MVE 444/2	3.7	2.6	3.2	2.3	187	189	412.3	416.7	0.18	0.21	0.24	0.28	0.35	0.35	0.78	0.87	3.3	3.30	T4	100	
MVE 300/3	MVE 690/2	6.4	4.5	5.5	3.9	321	323	708	712.1	0.27	0.28	0.36	0.38	0.52	0.45	0.84	0.89	3.60	3.50	T4	100	
MVE 400/3	MVE 890/2	7.9	5.7	6.9	4.9	407	411	897	906.1	0.30	0.36	0.40	0.48	0.58	0.60	0.88	0.88	3.50	3.50	T4	100	
MVE 500/3	MVE 1200/2	10.3	7.4	8.9	6.4	530	534	1168.4	1177.3	0.50	0.58	0.67	0.78	0.96	0.97	0.84	0.87	4.00	4.20	T4	100	
MVE 700/3	MVE 1700/2	14.9	10.6	12.9	9.2	758	765	1671.1	1686.5	0.66	0.75	0.89	1.01	1.25	1.24	0.83	0.88	4.30	5.00	T4	100	
MVE 800/3	MVE 1800/2	15.7	11.1	13.6	9.6	794	800	1750.5	1763.7	0.75	0.90	1.01	1.21	1.45	1.50	0.79	0.84	3.80	3.80	T4	100	

MVE SINGLE PHASE

MODEL			ELECTRICAL FEATURES																				
			WORKING MOMENT				CENTRIFUGAL FORCE				POWER				CURRENT			CAPACITOR			CLASSII DIV.2	II 2D	CABLE GLAND
			kg*cm		in*lb		kg		lb		kW		hp		A max			µF					
50 Hz	60 Hz	60 Hz U.S. Market	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	230V	220V	115V	220V	220V	115V	Temp. Class	Temp. Class	Class
MVE 60/3M	MVE 60/36M	MVE 160/2M	1.3	1.0	1.1	0.9	66	71	145.5	156.5	0.08	0.09	0.11	0.12	0.43	0.43	1.03	3	3	6.3	T4	100	M16 80°C
MVE 100/3M	MVE 100/36M	MVE 220/2M	1.9	1.3	1.7	1.1	98	95	216.1	209.4	0.1	0.11	0.13	0.15	0.54	0.54	1.3	4	4	8	T4	100	M20 80°C
MVE 200/3M	MVE 200/36M	MVE 440/2M	3.7	2.6	3.2	2.3	187	189	412.3	416.7	0.18	0.21	0.24	0.28	1.14	1.14	2.62	8	8	16	T4	100	
MVE 202/3M	MVE 202/36M	MVE 444/2M	3.7	2.6	3.2	2.3	187	189	412.3	416.7	0.18	0.21	0.24	0.28	1.14	1.14	2.62	8	8	16	T4	100	
MVE 300/3M	MVE 300/36M	MVE 690/2M	6.4	4.4	5.5	3.9	321	323	707.7	712.1	0.27	0.28	0.36	0.38	1.58	1.58	3.43	12.5	12.5	25	T4	100	80°C

MVE - 2 POLES ELECTRIC VIBRATORS - THREE PHASE OR SINGLE PHASE

APPLICATION	Hopper and silo - feeder - screen
POWDER	Fine - dry granular
PROBLEM SOLVING	Bridge and rat-holing

FEATURES

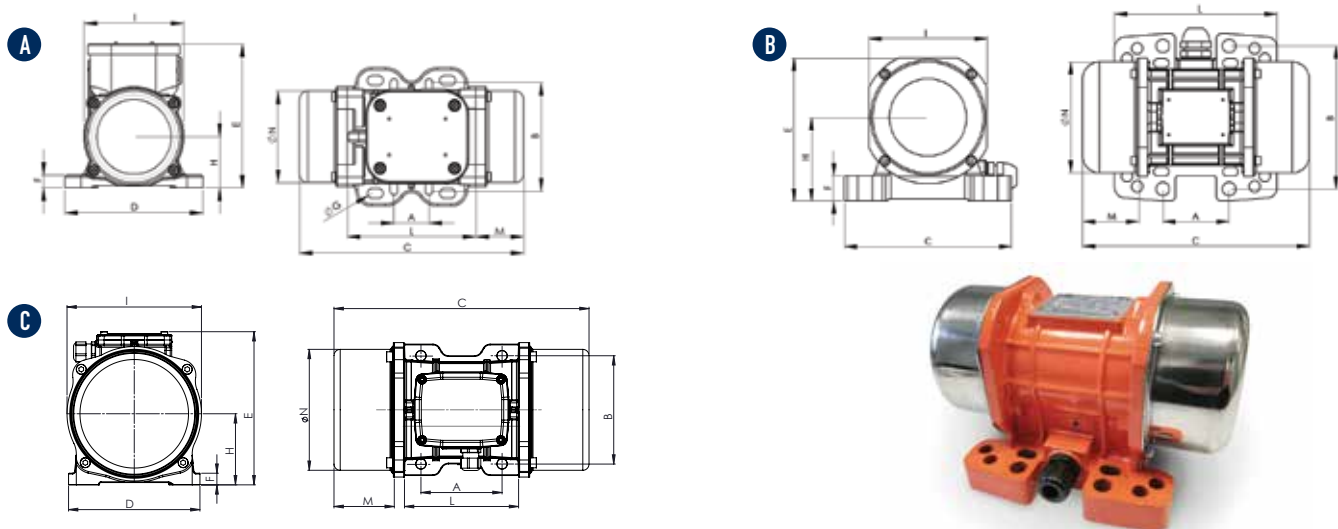
DUTY CYCLE	Continuous - S1
FREQUENCY RANGE	From 20Hz to 60Hz [with inverter]
ENVIRONMENT TEMPERATURE	From -20°C to 40°C (from -4°F to 104°F)
MAX NOISE LEVEL	76 dB(a)
ATEX	II 3 D Ex tc IIIC Tx IP66
MATERIAL	Aluminium body; aluminium (powder painted) cover

OPTIONS

CAPACITOR	Available
ATEX	II 2 D Ex tb IIIC Tc Db IP66
CUSTOMISED CABLE	Available



MVE-DC - Direct current electric vibrators



DIMENSIONAL SPECIFICATIONS

MODEL	DRAWING	SIZE	C		M		A		B		Ø G		HOLES n°	D		E		F		H		I		L		N	
			mm	in	mm	in	mm	in	mm	in	mm	in		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
			50Hz	50Hz	50Hz	50Hz																					
MVE 50 DC 24	A	10	211	8.31	45	1.77	62-74	2.44-2.91	106	4.17	9	0.35	4	130	5.12	136	5.35	12	0.47	48	1.89	94	3.70	121	4.76	85	3.35
MVE 50 DC 12			33	1.30	83-102	3.27-4.02	7	0.28																			
MVE 120 DC 24	B	23	218	8.58	53	2.09	62-74	2.44-2.91	106	4.17	9	0.35	4	164	6.46	140	5.51	25	0.98	82	3.23	116	4.57	159	6.26	110	4.33
MVE 120 DC 12							65	2.56	140	5.51	13	0.51															
MVE 202 DC 24							115	4.53	135	5.31	11	0.43															
MVE 202 DC 12							135	5.31	115	4.53	11	0.43															
MVE 500 DC 24	C	40	330	12.99	78	3.07	105	4.13	140	5.51	13	0.51	4	170	6.69	195.5	7.70	15	0.59	92	3.62	174	6.85	174	6.85	160	6.30
MVE 1500 DC 24	C	50	324	12.76	63.5	2.50	120	4.72	170	6.69	18	0.71	4	208	8.19	209.5	8.25	18	0.71	96	3.78	184	7.24	198	7.80	169	6.65

ELECTRICAL SPECIFICATIONS

MODEL	RPM	WORKING MOMENT		CENTRIFUGAL FORCE		WEIGHT		POWER		MAX CURRENT	Ex II 3 D	CABLE TYPE	CABLE GLAND
		kg*cm	in-lb	kg	lb	kg	lb	kW	Hp	A			
		Temp. Class [°C]		Class Temp	Class Temp								
MVE 50 DC 24	3000	1.02	0.89	50	110	4.4	9.7	0.08	0.11	3.3	100	2Gx1.5 90°C	M16 80°C
MVE 50 DC 12	3000	1.02	0.89	50	110	4.4	9.7	0.08	0.11	6.6			
MVE 120 DC 24	3000	2.14	1.86	117	258	7.2	15.9	0.11	0.15	4.8	100	2Gx1.5 90°C	M20 80°C
MVE 120 DC 12	3000	2.14	1.86	117	258			0.11	0.15	9.6			
MVE 202 DC 24	3000	4.17	3.62	200	441	0.16	0.21	6.7					
MVE 202 DC 12	3000	4.17	3.62	200	441	0.16	0.21	13.3					
MVE 500 DC 24	3000	10.40	9.03	530	1168.4	14.4	31.7	0.26	0.35	11.00	100	2Gx1.5 90°C	M20 80°C
MVE 1500 DC 24	3000	22.40	19.44	1616	3562.6	21.8	48.1	0.52	0.70	21.50	100	2Gx1.5 90°C	M20 80°C

MVE-DC - DIRECT CURRENT ELECTRIC VIBRATORS

APPLICATION Dump truck - Concrete pump - automotive hopper - salt spreader - dump trailer

POWDER Granular - Concrete

PROBLEM SOLVING Bridge and rat-holing

FEATURES

DUTY CYCLE Continuous - S1

ENVIRONMENT TEMPERATURE From -20°C to 40°C (from -4°F to 104°F)

MAX NOISE LEVEL 76 dB(a)

ATEX II 3 D EX TD A22 TX IP 66

MATERIAL Body aluminium - stainless steel /aluminium (powder painted) cover

OPTIONS

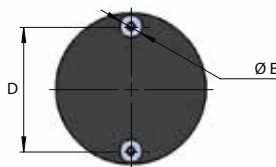
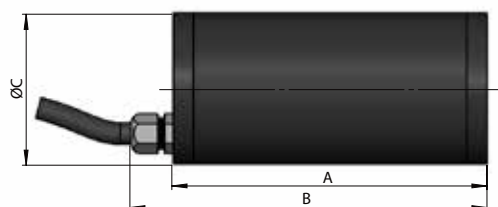
CUSTOMISED CABLE Available

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MVE-DC - Direct current electric vibrators - For industrial sweepers



DIMENSIONAL SPECIFICATIONS

MODEL	A		B		Ø C		D		Ø E	
	mm	in	mm	in	mm	in	mm	in	mm	in
MVE60DC 12	167	6.6	189	7.4	80	3.1	66	2.6	12	0.5
MVE60DC 24										
MVE60DC 36										
MVE100DC 12	207	8.1	230	9.1	80	3.1	66	2.6	12	0.5
MVE100DC 24										
MVE100DC 36										

ELECTRICAL SPECIFICATIONS

MODEL	rpm	WORKING MOMENT		CENTRIFUGAL FORCE		WEIGHT		INPUT POWER		MAX CURRENT
		kg*cm	in-lb	kg	lb	kg	lb	kW	Hp	A
MVE60DC 12	3000	1.19	1.04	60	132.3	3.8	8.4	0.10	0.13	12.7
MVE60DC 24	3000	1.19	1.04	60	132.3	3.8	8.4	0.10	0.13	6.4
MVE60DC 36	3000	1.19	1.04	60	132.3	3.8	8.4	0.10	0.13	4
MVE100DC 12	3000	1.99	1.72	100	220.5	4.8	10.6	0.11	0.15	14
MVE100DC 24	3000	1.99	1.72	100	220.5	4.8	10.6	0.11	0.15	7
MVE100DC 36	3000	1.99	1.72	100	220.5	4.8	10.6	0.11	0.15	4.5

MVE-DC - DIRECT CURRENT ELECTRIC VIBRATORS FOR INDUSTRIAL SWEEPERS

APPLICATION Industrial sweepers

PROBLEM SOLVED Cleaning of dirt collection hopper

FEATURES

DUTY CYCLE Continuous - S1

STANDARD CABLE 1m

ENVIRONMENT TEMPERATURE From -20°C to 40°C (from -4°F to 104°F)

OPTIONS

CUSTOMISED CABLE Available

EXTERNAL APPLICATION

HYDRAULIC VIBRATORS

PRODUCT SERIES

HYDRAULIC VIBRATOR
MVO 850



APPLICATION

Dump trucks
Agricultural equipment
Digging buckets
Pipeline padder equipment
Construction equipment

POWDER

Hygroscopic, wet, sticky and granular powder.

Clay
Fertilizer
Manure
Sludge
Aggregates

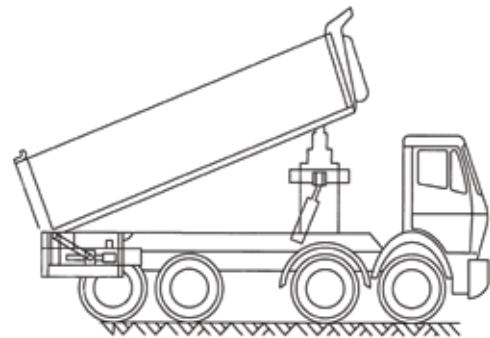
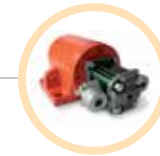
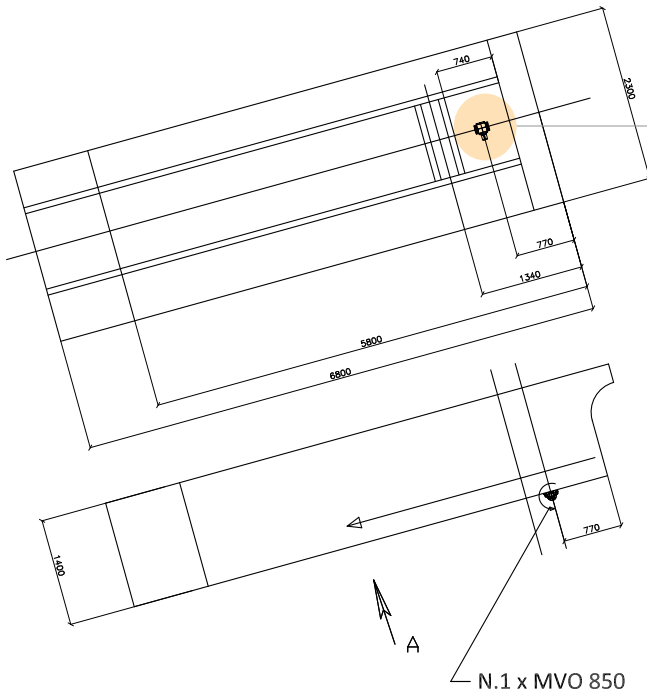
FEATURES

Continuous duty.
Working pressure from 15 to 300 bar (from 217 to 4.350 PSI).
Working temperature from -20 to 60°C (from -4 to 140 °F).
Max. noise level 80 dB(A).
Speed from 3.000 to 6.000 rpm.

BENEFITS

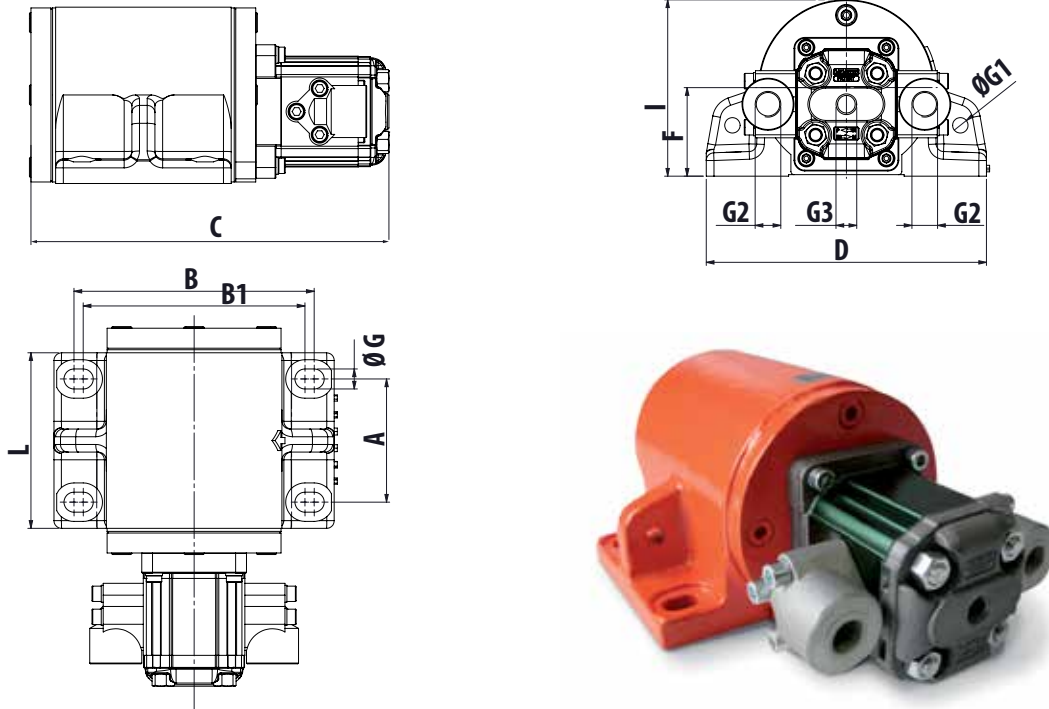
Robust
Safe
Easy to install
Compact design
High Force

APPLICATIONS





MVO - Hydraulic vibrators



DIMENSIONAL SPECIFICATIONS

A		B		B1		C		D		L		F		G		G1		G2		G3		Weight	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	BSPP	BSPP	kg	lb		
80	3.15	156	6.14	144	5.67	232.5	9.2	182	7.16	114.5	4.5	57.5	2.3	13	0.5	10	0.4	3.8"	1/4"	11	24		

MECHANICAL FEATURES

MODEL	CENTRIFUGAL FORCE				WORKING MOMENT		STATIC MOMENT		OPERATING PRESS.		MAX PRESSURE	
	3000 rpm		6000 rpm		kg*cm	in*lb	kg*cm	in*lb	bar		bar	
	kg	lb	kg	lb					3000 rpm	6000 rpm		
	MVO 850	208	459	830	1830	4.12	3.57	2.06	1.78	70	120	

BEARING LIFE

rpm	CENTRIFUGAL FORCE		BEARING LIFE
	kg	lb	hrs
	3000	208	459
6000	459	1830	6,826

MVO - HYDRAULIC VIBRATORS

APPLICATION Dump trailer - agriculture machine - digging bucket

POWDER Hygroscopic - wet sticky and granular

PROBLEM SOLVING Detaching

FEATURES

DUTY CYCLE Continuous - S1

WORKING PRESSURE From 15 bar to 300 bar (from 217 psi to 4.350 psi)

HYDRAULIC CIRCUIT Flow control valve + filter (mesh 30-60 micron)

ENGINE SIZE 3.12 Cm³/round

WORKING TEMPERATURE From -20°C to 60°C (from -4°F to 140°F)

OIL VISCOSITY From 20 mm²/sec to 100 mm²/sec

OIL TYPE HLP HV (D in 51524) hydraulic mineral oil

FLOW RATE 2,24 l/min (700 rpm) - 9,6 l/min (3.000 rpm) - 19,2 l/min (6.000 rpm)

MAX NOISE LEVEL 80dB(a)

MOTOR TYPE XV-1M/3.2

TECHNOLOGY Hydraulic rotary vibrator

MATERIAL Grey cast iron body (RAL 2004 powder painted)

WHEN YOU NEED IT, WHERE YOU NEED IT.

THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY

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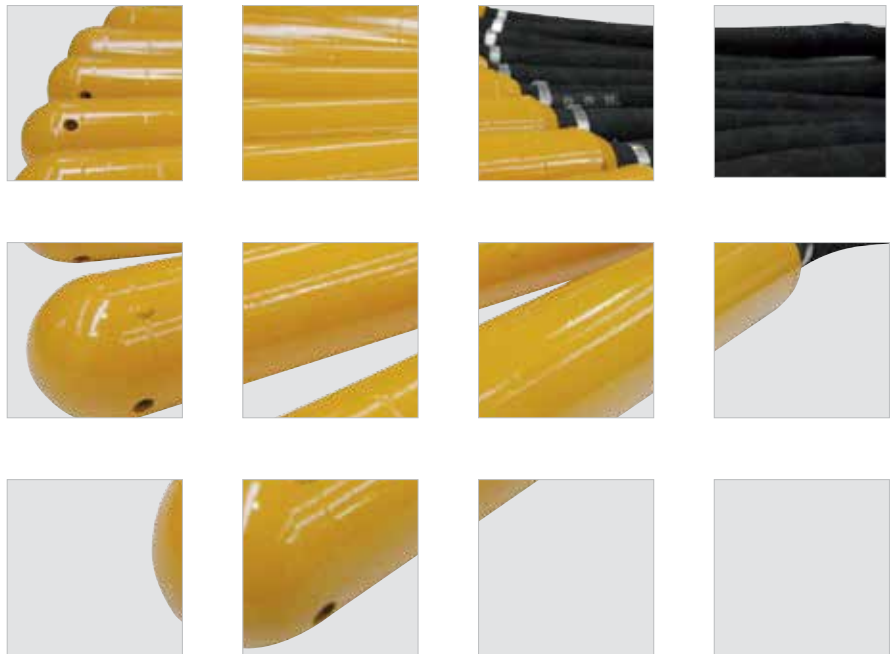
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CONCRETE CONSOLIDATION



THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY







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Worldwide leader in vibration technology

OLI is the world's top selling manufacturer of Electric and Pneumatic Vibrators.

A high level of customer service is guaranteed through 19 OLI Trading Subsidiaries, 36 local warehouses and 5 manufacturing plants worldwide.

OUR 3 DIVISIONS

PROVIDE CUSTOMERS WITH OPTIMAL SOLUTIONS FOR ALL REQUIREMENTS

INDUSTRIAL VIBRATORS	FLOW AIDS	CONCRETE CONSOLIDATION
 <p>Electric motovibrators for vibrating equipments.</p>	 <p>Comprehensive range of electric and pneumatic vibrators to solve any problem of flowability.</p>	 <p>Internal concrete vibrators and converters for reliable and efficient concrete compaction.</p>

Originally specialising in immersion vibrators for concrete consolidation, OLI is now the worldwide leader in vibration technology, with a **complete range of electric and pneumatic internal and external vibrators**.

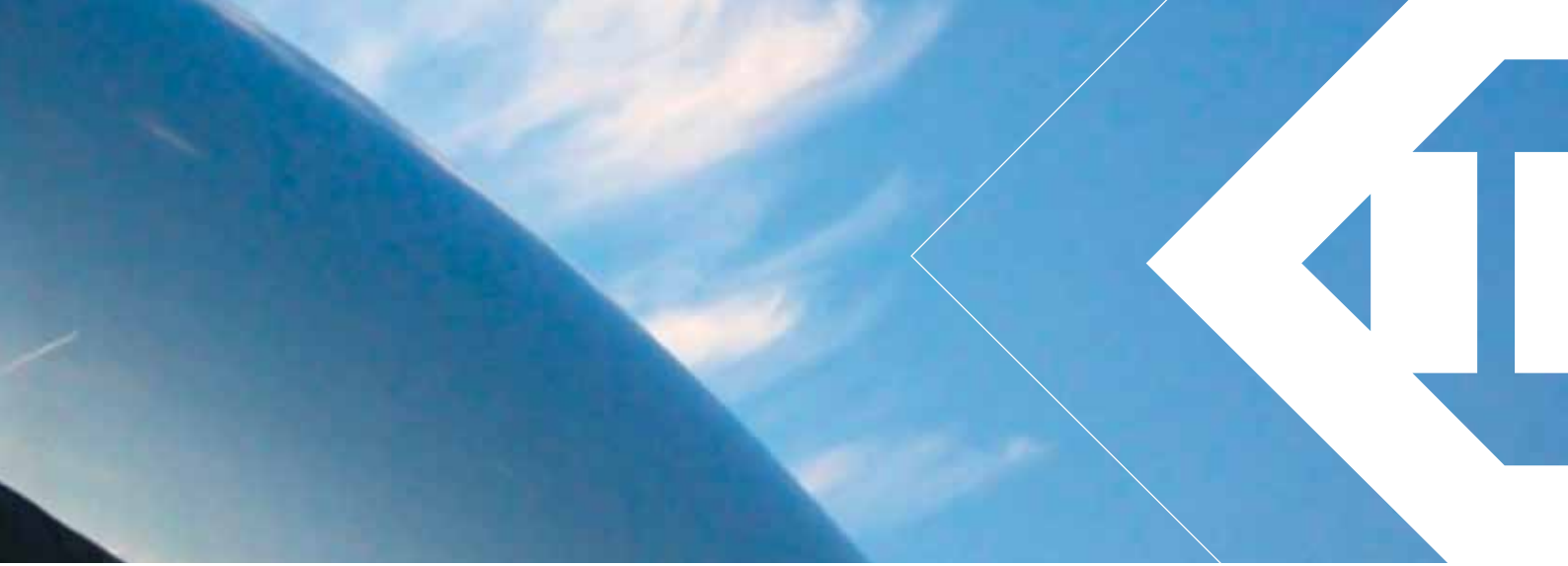
By supplying **competitive, high quality products for wide-ranging applications**, OLI combines **performance** and **reliability** by adapting to the ever-changing market. A strong believer in innovation, OLI is constantly striving to be ahead of the opposition.

As a global player in industrial vibration technology, the key focus of OLI's business strategy is **rapid stock delivery, any time, anywhere in the world**.

Excellent customer service is of pivotal importance: the company guarantees **quick order processing** and customers worldwide can enjoy access to the same high quality product and services.

OLI has access to credible expertise when it comes to finding suitable solutions to customers' requests. A team of engineers specialised in designing efficient, reliable, and safe solutions backed by **globally certified management**.

OLI provides their customers with state-of-the-art equipment and the blueprint for the next generation of products is already in progress.



The vibration of concrete

The freshly mixed concrete does not compact on its own because the poor fluidity is not able to overcome the internal friction; only vibration can overcome such forces.

VIBRATION FAVOURS:

- The **surfacing of the air** trapped in the concrete;
- The **displacement of aggregates**, aligning them to one another, with consequent reduction of cavities, conferring them high density and perfect homogeneity;
- The **adhesion** of the concrete to the bars of the reinforcement armatures or to any internal structural inserts, as well as to the basic anchorages.

BENEFITS:

- High **mechanical resistance**.
- Low porosity and thus **low permeability** to water and to aggressive substances contained therein.
- **Absence of cracks** within the concrete, in the proximity of the reinforcement armatures' bars.
- **Complete filling** of the formwork.
- **Increase in the life cycle** of the concrete.
- High **aesthetic result**.

TYPES OF VIBRATION	➔	EQUIPMENT TO USE
<p>Direct The vibration is transmitted directly from within the concrete</p>	➔	Electric immersion vibrators
<p>Indirect The vibration is transmitted from the outside of the concrete</p>	➔	External electric and pneumatic vibrators

NO VOIDS

REDUCED WORKING TIME

MAXIMUM DENSITY

MAXIMUM CONCRETE STRENGTH WITH OLI VIBRATORS



Electric high frequency internal vibrators

When constructing industrial floors, walls, columns, slabs, etc., **flexible and easy-to-use vibrating systems** are required.

In such cases high-frequency immersion vibrators are generally used, known as “poker” or “spud” or simply “vibrating needles”, which come into **direct contact with the concrete**; for this reason, we speak of internal direct vibration.

HOW THE VH VIBRATORS WORK:

An eccentric mass is housed inside the vibrating head (or needle) which is fixed to a shaft rotated by a three-phase asynchronous AC motor.

During rotation, the eccentricity of the mass generates rotational movements to the vibrating head (vibrations).

The **robustness** and the **constant rotation speed** are essential factors in the compaction of the concrete: drops in the centrifugal force heavily penalise the quality of the manufactured article.

The VH is a robust and reliable product, which is suitable for compacting concrete and is appropriate for continuous operation.

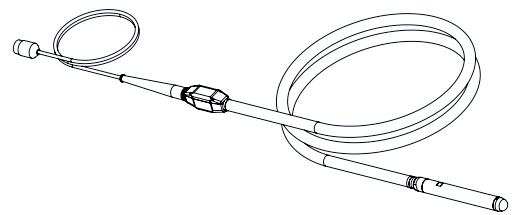
Important:

The VH have to be operated by electric and electronic converters that convert the 50/60 Hz mains frequency to 200 Hz, which is necessary in order for the vibrating head to reach a vibration speed of 12,000 vpm, as it is ideal for the proper compaction.



Benefits

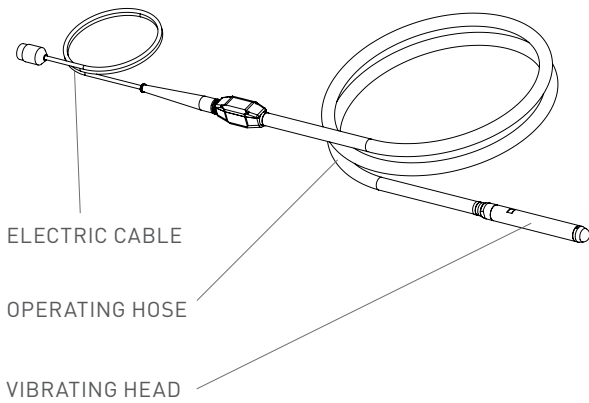
- No overheating
- Easy maintenance
- Long life of the vibration head
- Perfect water tightness



MAXIMUM DURABILITY
HIGH PERFORMANCE



VH - Electric high frequency internal vibrators



MODEL	HEAD DIAMETER	HEAD LENGTH	HEAD WEIGHT	TOTAL WEIGHT*	CF	RATED CURRENT **	RATED POWER (42V)	ACTION DIAMETER ***	AMPLITUDE	NOISE LEVEL	COMPACTION POWER***
	mm	mm	kg	kg	N	A	kW	cm	mm	dB A	m³/h
VHN 38	38	404	2.4	10.6	1,700	8	0.5	45	1.8	70	20
VHN 50	50	403	4.4	14.8	3,080	11	0.6	60	2	76	25
VHN 59	59	420	6.8	17.4	4,560	12	0.9	80	2.3	76	35
VHP 50	50	468	5.4	16.4	3,760	15	0.9	70	2.1	76	40
VHP 59	59	498	8.2	19.6	5,640	17	1.1	90	2.4	79	45
VHP 65	65	484	9.4	22.4	7,330	24	1.3	110	2.6	79	50

* Packaging included ** Refer to centrifugal force for amperage assessment *** Measurements vary according to concrete quality and thickness

VH - ELECTRIC HIGH FREQUENCY INTERNAL VIBRATORS

APPLICATION	Concrete compaction
DESCRIPTION	High frequency internal electric vibrators for concrete consolidation characterised by high performances, consistent speed and remarkable resistant to abrasion

FEATURES

DUTY CYCLE	Continuous S1
INPUT	42V-3ph - 200Hz
NOMINAL FREQUENCY	12,000 vpm
INSULATION CLASS	F (T° max = 155°C)
THERMAL SWITCHES	Inside the stator. Max T°C = 150°C
WORKING TEMPERATURE	From -20°C to +40°C
HEAD	Equipped with ball bearings greased for life. 2 bearings (VHN 50 - VHN 59), 4 bearings (VHN 38 and complete VHP range) Protection class IP68 Hardening treatment for VHN and chrome plating for VHP
SWITCH BOX	Polyamide (nylon +30% fiber glass) with gasket, cable protection, yellow colour IP66 protection Designed for continuous use and resistant to wear and tear
OPERATING HOSE	5m SBR rubber hose with inner textile reinforcement
SUPPLY CABLE	10m neoprene electric cable HO7RN-F with 3 pin plug (42V - 3 phase, IP44)
FINISHING	Painted orange Ral 1007 (VHN), chromed (VHP)
CERTIFICATIONS	Community Directives and subsequent modifications: 2006/42/EC - 2006/95/EC Conformity verified according to the standard documents: IEC 60745-1, IEC 60745-2-12, IEC 60034-1
OPTIONS	Cast aluminium switch box Rubber cap



Frequency and voltage converters

The internal vibrating needles need to be powered via a three-phase electric line at low voltage, therefore it is necessary to use a voltage and frequency converter.

The electromechanical rotary converters consist of a motor and a generator, which are coupled together. The motor converts the electrical energy into mechanical energy; the generator converts the mechanical energy into electrical energy, thus generating the required voltage and frequency (42 Volt - 200 Hz).

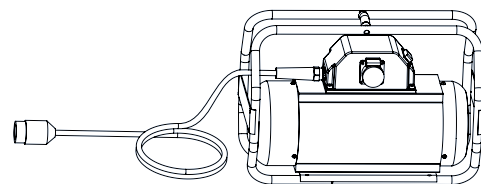
The converters of the CM range are designed to supply simultaneously and in a continuous cycle one or more high-frequency internal vibrators; they are reliable, durable and do not require maintenance.

The minimal design and the materials used **facilitate the external cleaning**, while the special internal air ducting system **avoids overheating**. The range offers several models, which are **capable of supplying from 1 to 4 immersion vibrators**.



Benefits

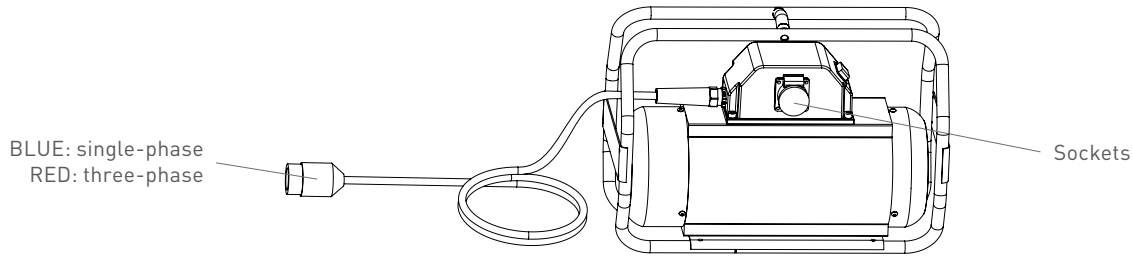
- No overheating
- No maintenance
- Optimal cooling
- Easy cleaning



LONG LIFE
OPTIMUM COOLING



CM – Frequency and voltage converters



MODEL	FRAME	OUTLETS	SUPPLY ELECTRIC CABLE	WEIGHT	INPUT			OUTPUT		
					VOLTAGE	CURRENT	POWER	VOLTAGE	CURRENT	POWER
					V	A	kW	Frequency	A	kVA
CMM 15	Handle	1	3.5	25	230V, 1ph, 50Hz	6	1.1	42V ± 10% 3ph 200Hz	14	1
CMM 25	Frame	2	34	10		1.8	25		1.8	
CMT 25	Frame	2	3.5	33	5	2.8	25		1.8	
CMT 35	Wheeled	3	5.0	41	400V 3ph 50Hz	6	3.3		36	2.6
CMT 55	Wheeled	3	5.0	50		9	5		55	4
CMT 85	Wheeled	4	5.0	56		12	6.6		85	6.2

COMPATIBILITY TABLE (maximum number of vibrators that can be connected)							
CMM 15	1x VHN 38	1x VHN 50	1x VHN 59	-	-	-	-
CMM 25	2x VHN 38	2x VHN 50	2x VHN 59	1x VHP 50	1x VHP 59	1x VHP 65	
CMT 25	2x VHN 38	2x VHN 50	2x VHN 59	1x VHP 50	1x VHP 59	1x VHP 65	
CMT 35	3x VHN 38	3x VHN 50	3x VHN 59	2x VHP 50	2x VHP 59	1x VHP 65	
CMT 55	3x VHN 38	3x VHN 50	3x VHN 59	3x VHP 50	3x VHP 59	2x VHP 65	
CMT 85	4x VHN 38	4x VHN 50	4x VHN 59	4x VHP 50	4x VHP 59	3x VHP 65	

CM - FREQUENCY AND VOLTAGE CONVERTERS

APPLICATION	Concrete compaction
DESCRIPTION	Frequency and voltage converters equipped with permanent magnets, specifically designed to power high frequency concrete vibrators continuously

FEATURES

DUTY CYCLE	Continuous S1
INSULATION CLASS	F (T° Max = 155°C)
PROTECTION	Overload protection
WORKING TEMPERATURE	From -20°C to +40°C
CONNECTION BOX	Polyamide (nylon + 30% fibre glass), complete with switch and sockets (42V three phase, IP44 protection)
SUPPLY CABLE	Neoprene electric cable H07RN-F with plug
FINISHING	Powder coating (body orange Ral 1007; fan covers, wheels and frame black Ral 9007)
CERTIFICATIONS	Community Directives and subsequent modifications: 2006/42/EC - 2006/95/EC Conformity verified according to the standard documents IEC 60034-1, IEC 60745-1, UNI EN ISO 12100
MORE	Smooth and robust cast aluminium body Forced ventilation



High frequency internal vibrators with built-in converter

On construction sites, during the consolidation of the concrete, a light, flexible and easy-to-use tool is often required, which **can be connected directly to the common, single-phase power lines** (110/230 Volt, 50/60 Hz).

In order to solve this necessity, the **EWO** range has been developed: **high-frequency immersion vibrators equipped with an integrated electronic frequency converter** capable of transforming the single-phase input voltage (230 V, 50/60 Hz) into the three-phase voltage (230 V, 200 Hz) necessary to obtain 12,000 vpm.

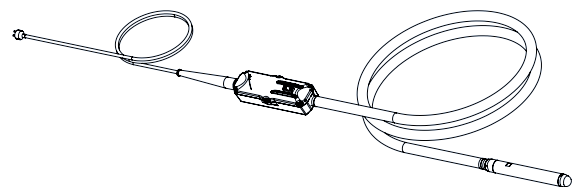
Compared to the common vibrating needles powered by electromechanical converters, the EWO has several advantages:

- they are **light and flexible**;
- the constant output frequency maintains the maximum centrifugal force and thus a **high and constant performance**;
- there is **protection** against short circuits, excessive temperature, voltage and current above or below the nominal values.



Benefits

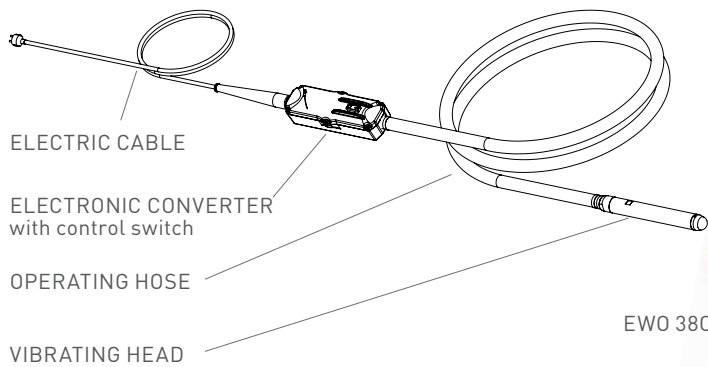
- Reliable
- Safe & easy to handle
- No overheating
- Easy maintenance



COMPACT SOLUTION



EWO – High frequency internal vibrators with built-in converter



EWO 50C
EWO 59C
EWO 65C

EWO 38C



MODEL	HEAD DIAMETER	HEAD LENGTH	HEAD WEIGHT	TOTAL WEIGHT*	CF	RATED CURRENT**	RATED POWER [42V]	ACTION DIAMETER***	AMPLITUDE	NOISE LEVEL	COMPACTION POWER***
	mm	mm	kg	kg	N	A	kW	cm	mm	DB A	m3/h
EWO 38C	38	404	2.4	14.5	1,700	1.5	0.5	45	1.8	70	20
EWO 50C	50	468	5.2	20	3,760	2.7	0.9	70	2.1	76	40
EWO 59C	59	499	8.2	22.8	5,640	3.0	1.1	90	2.4	79	45
EWO 65C	65	484	9.4	24.8	7,330	4.5	1.3	110	2.6	79	50

* Packaging included ** Refer to centrifugal force for amperage assessment *** Measurements vary according to concrete quality and thickness

	Input Voltage	Input Frequency	Input Amperage
Converter	230V +10% -15% 1ph	50/60Hz ± 5%	5.5 A

EWO - HIGH FREQUENCY INTERNAL VIBRATORS WITH BUILT-IN CONVERTER

APPLICATION	Concrete compaction
DESCRIPTION	Equipped with compact electronic frequency converters integrated into the supply cable, characterised by high centrifugal forces, constant speeds and high wear resistance

FEATURES

DUTY CYCLE	Continuous S1
INPUT	230V + 10% - 15% 50/60 Hz -1 ph
NOMINAL FREQUENCY	12.000 vpm
INSULATION CLASS	F (T° max = 155°C)
PROTECTION CLASS	Head protection IP68 Converter protection IP66 The inverter is protected against overload, overvoltage, excess temperature and short circuit. A LED light shows the presence of a fault
WORKING TEMPERATURE	From -20°C to +40°C
HEAD	Equipped with 4 ball bearings greased for life Hardening treatment (EWO 38C), chrome plating (EWO 50C, EWO 59C, EWO 65C)
SWITCH BUILT-IN	Complete with reinforced gasket
PROTECTION HOSE	5m SBR rubber hose with textile reinforcement
SUPPLY CABLE	10m neoprene electric cable H07RN-F with SCHUKO 220V 2P+1T 16A plug
CONVERTER	Sturdy cast aluminium box Ergonomic and lightweight (3 Kg)
INVERTER	Tropicalised and protected against vibration, moisture and shocks with a special resin
FINISHING	Painted orange RAL 1007 (EWO 38C) and chrome plating (EWO 50C - EWO 59C - EWO 65C)
CERTIFICATIONS	Community Directives and subsequent modifications: 2006/42/EC, 2014/30/EU, 2006/95/EC Conformity verified according to the standard documents IEC 60745-1, IEC 60745-2-12, UNI EN ISO 12100
OPTIONS	Rubber cap



External electric vibrators

High frequency electric vibrators are used on construction sites and in precast companies to obtain high-quality products (exposed concrete), with **excellent aesthetic results and weather resistance**. The vibration is transmitted to the concrete **indirectly** through formworks or mould.

Just like the internal vibrators, the external ones are also based on the principle of the vibration produced by the rotation of an eccentric mass started by a three phase electric motor.

The OLI range of external electric vibrators includes fixed frequency models, 3,000 and 6,000 vpm, and variable frequency models, from 0 to 6,000 vpm.

Low speed vibration is used on high-density and unreactive concretes mostly, as they allow a fast displacement of the aggregates.

High speed vibration (6,000 vpm) is recommended with low-density concretes and in applications where high surface quality is required.

Variable frequency allows to find the correct vibration speed in relation to the density of the concrete to be treated. They are obviously more flexible than earlier.

The OLI external electric vibrators are characterised by **high operating efficiency** and **ease of installation**. Specially designed attachment devices (quick-coupling clamps) reduce the time required for installing and repositioning.

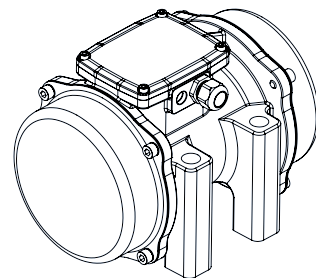
This vibration system is recommended when:

- High construction elements and narrow walls (partitions, columns, beams) are to be compacted, which are difficult to vibrate with other systems.
- The reinforcement density inside the housing is high.



Benefits

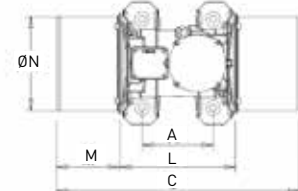
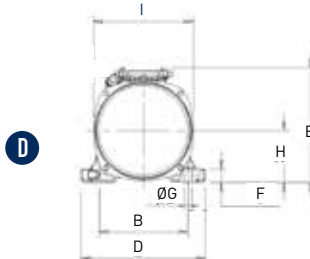
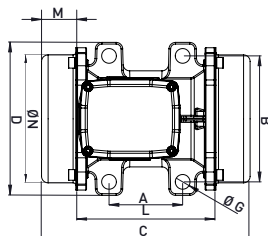
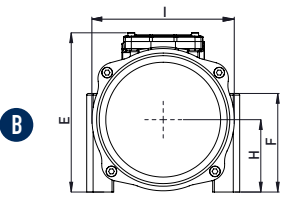
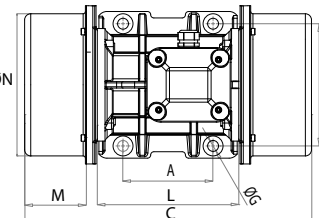
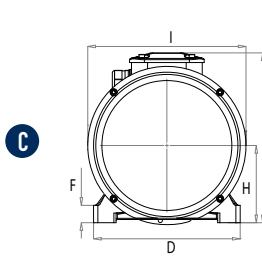
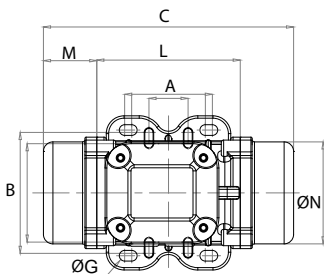
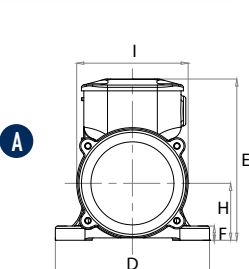
- Sturdy design, made to last
- High operating efficiency
- Easy to install



RELIABLE



Electric vibrators - FOOT



Wm kgcm	MODEL	WEIGHT kg	CENTRIFUGAL FORCE kg	RPM	ELECTRICAL SPECIFICATIONS						CABLE GLAND Metric	CERTIFICATE Ex II3D Temp. Class
					INPUT POWER kW	FREQUENCY Hz	NOMINAL CURRENT A max.		POWER FACTOR	la / In		
1.47	MVE 290/6	4.6	294	6,000	0.27	200Hz	5.00	0.91/0.53A	0.75	2.00	M20	100°C
7.00	MVE 1500/6N-HF-38E	12	1,385	6,000	1.00	200Hz	15.00	2.80/1.60	0.90	4.00	M20	100°C
7.32	MVE 1300/6	24	1,474	0÷6,000	1.30	0÷100Hz	on request	4.24/2.44	0.77	3.10	M20	100°C
13.00	VFV 100 25/6	42	2,600	0÷6,000	2.25	0÷100Hz	on request	7.96/4.60	0.71	5.50	M20	on request

MODEL	DRAWING	SIZE	DIMENSIONAL SPECIFICATIONS (mm)												
			C	M	A	B	ØG	HOLES	D	E	F	H	I	L	N
MVE 290/6	A	10	211	45	62-75 / 33	106 / 83-102	9 / 7	4	130	136	12	48	94	121	85
MVE 1500/6N-HF-38E	B	38	255	43	90	154	18	4	187	195	121	89	174	169	156
MVE 1300/6	C	50	321	58	120	170	17	4	208	210	22	94	180	205	170
VFV 100 25/6	D	08.0	410	74	150	190	17	4	280	258	30	117	227	260	212

ELECTRIC VIBRATORS FOR CONCRETE CONSOLIDATION - FOOT VERSION

APPLICATION Concrete compaction

FEATURES

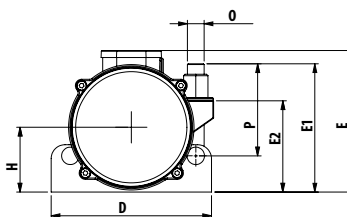
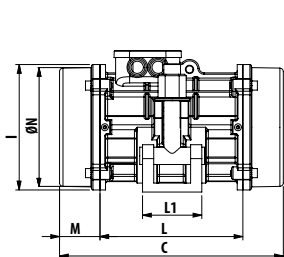
DUTY CYCLE	Continuous S1
MULTIVOLTAGE	3ph 42V - 3ph 230/400V [* voltage tolerance ± 10%]
FIXED FREQUENCY	50Hz and 200Hz
VARIABLE FREQUENCY	0÷100Hz
WORKING TEMPERATURE	-10°C +40°C
MAX NOISE LEVEL	85 dB(A) at 1 meter distance
MATERIAL	Cast aluminium or iron
FINISHING	Painted: A, B, C: orange RAL 2009; D: blue RAL 5010, yellow RAL 1003
CERTIFICATIONS	Community Directives and subsequent modifications: 2006/42/EC - 2006/95/EC Conformity verified according to the standard documents IEC 60034
OPTIONS	Power cable
ACCESSORIES	Fixing brackets: CLW (Clamp for Wooden formworks); CLS (Clamp for Steel formworks)





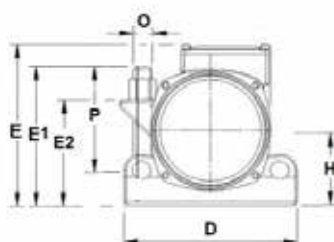
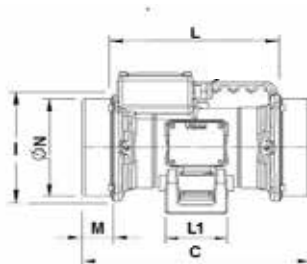
Electric vibrators - CRADLE

E



*Cradle not included

F



*Cradle not included

STANDARD FREQUENCY ELECTRIC MOTORS

Wm kgcm	MODEL	WEIGHT kg	CENTRIFUGAL FORCE kg	RPM	ELECTRICAL SPECIFICATIONS							CERTIFICATE Ex II3D Temp. Class
					INPUT POWER kW	FREQUENCY Hz	NOMINAL CURRENT A max.		POWER FACTOR	la / In	CABLE GLAND Metric	
16	SPC 50 7.0 A-00	23.5	800	3,000	0.75	50	on request	2.25/1.30	0.84	5.0	M20	on request
20	SPC 50 9.0 A-00	24.5	1,000	3,000	0.85	50	on request	2.42/1.40	0.88	5.0	M20	on request

HIGH FREQUENCY ELECTRIC MOTORS

Wm kgcm	MODEL	WEIGHT kg	CENTRIFUGAL FORCE kg	RPM	ELECTRICAL SPECIFICATIONS							CERTIFICATE Ex II3D Temp. Class
					INPUT POWER kW	FREQUENCY Hz	NOMINAL CURRENT A max.		POWER FACTOR	la / In	CABLE GLAND Metric	
7.40	HFC-200 6000/15	21.5	1,500	6,000	1.00	200	19.70	3.60/2.10	0.70	5.50	M20	on request
14.66	MVE 1300/6C	29.0	1,474	0÷6,000	1.30	0÷100	on request	4.24/2.44	0.77	3.10	M20	100° C
10.00	VFC 100 20/6	24.0	2,000	0÷6,000	1.25	0÷100	on request	4.00/2.30	0.79	5.50	M20	on request

DIMENSIONAL SPECIFICATIONS (mm)

MODEL	DRAWING	SIZE	C	M	L	L1	O	P	D	E	E1	E2	I	H	N
SPC 50 7.0 A-00	F	05	390	83	224	85	M24	132	230	212	184	136	163	95	148
SPC 50 9.0 A-00	F	05	390	83	224	85	M24	132	230	212	184	136	163	95	148
HFC-200 6000/15	F	05	312	44	224	85	M24	132	230	212	184	136	163	95	148
MVE 1300/6C	E	50	321	58	205	85	M24	132	230	203	184	131	180	93	170
VFC 100 20/6	F	05	390	83	224	85	M24	132	230	212	184	136	163	95	148

ELECTRIC VIBRATORS - CRADLE VERSION

APPLICATION Concrete compaction

FEATURES

DUTY CYCLE Continuous S1

MULTIVOLTAGE 3ph 42V - 3ph 230/400V [* voltage tolerance ± 10%]

FIXED FREQUENCY 50Hz and 200Hz

VARIABLE FREQUENCY 0÷100Hz

WORKING TEMPERATURE -10°C +40°C

MAX NOISE LEVEL 85 dB(A) at 1 meter distance

MATERIAL Cast aluminium or iron

FINISHING Painted: model E: orange RAL 2007, model D: blue RAL 5010, yellow RAL 1003

CERTIFICATIONS Community Directives and subsequent modifications: 2006/42/EC, 2006/95/EC

Conformity verified according to the standard document IEC 60034-1

OPTIONS Power cable

ACCESSORIES Fixing bracket: CRS (Cradle for Steel concrete moulds)

This information is furnished without warranty, representation, inducement or license of any kind. It is accurate to the best OLI knowledge or is obtained from sources believed to be accurate. OLI therefore assumes no legal responsibility.





Fastening systems for external vibrators

▶ CLW - Clamp for Wooden formworks

CLW

APPLICATION	Quick mounting of vibrators on wooden formworks
SAFETY BELT	Included
FINISHING	Galvanized

SUITABLE FOR

DOKA	H20, Top50, FF20
PERI	VT20K, GT24, VARIO GT24
MEVA	H20
PASCAL	H20
NOE	H20
HÜNNEBECK	H20, R24, GF24, ES24



CLW DIMENSIONAL SPECIFICATION

MODEL	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	MULTIPLE FOOTPRINT (mm)			
					ELECTRIC	PNEUMATIC		
CLW 001	389	291	122	6	65x106	135x115	90x125	180

▶ CLS - Clamp for Steel formworks

CLS

APPLICATION	Quick mounting of vibrators on steel formworks
SAFETY CABLE	Included
FINISHING	Galvanized

SUITABLE FOR

DOKA	Framax XLife, Alu Framax XLife
PERI	Trio
MEVA	StarTec, Mammut
NOE	NOEtop



CLS DIMENSIONAL SPECIFICATION

MODEL	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	MULTIPLE FOOTPRINT (mm)			
					ELECTRIC	PNEUMATIC		
CLS 001	389	291	122	6.5	68x106	135x115	90x125	180

▶ CRS - Cradle for Steel concrete moulds

CRS

APPLICATION	Quick mounting of vibrators on formworks
FINISHING	Black painted

SUITABLE FOR

VIBRATING MOTOR	Electric and pneumatic
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CRS DIMENSIONAL SPECIFICATIONS

MODEL	LENGTH	WIDTH	HEIGHT	RADIUS	WEIGHT
	mm	mm	mm	mm	kg
CRS 055	180	105	140	55	3.5
CRS 080	230	85	184	80	5



External pneumatic vibrators

The external pneumatic vibrators have **no electrical components**.

They are powered via **air compressor** that spins the rotors inside the vibrator at a very high speed (generally between 10,000 and 17,000 vpm), this generates a circular vibration that spreads in all directions.

The optimum frequency varies depending on the dimensions of the aggregates: a low frequency (approximately 10,000 vpm) favours the vibration of large granules (pebbles and gravel), while a high frequency (approximately 20,000 vpm) favours the vibration of fine granules (sand, cement and others).

They are used especially in the construction of concrete segments for tunnels, viaducts and bridges.

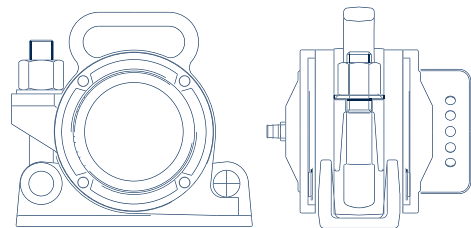
The pneumatic vibrators offered by OLI have a **solid and durable body** in ductile cast iron. They are characterised by **high reliability and efficiency** as well as by a **compact size**.

Just like the electric vibrators, they may also be bolted or attached via quick-coupling clamps to formworks or moulds for the purpose of easy movement.



Benefits

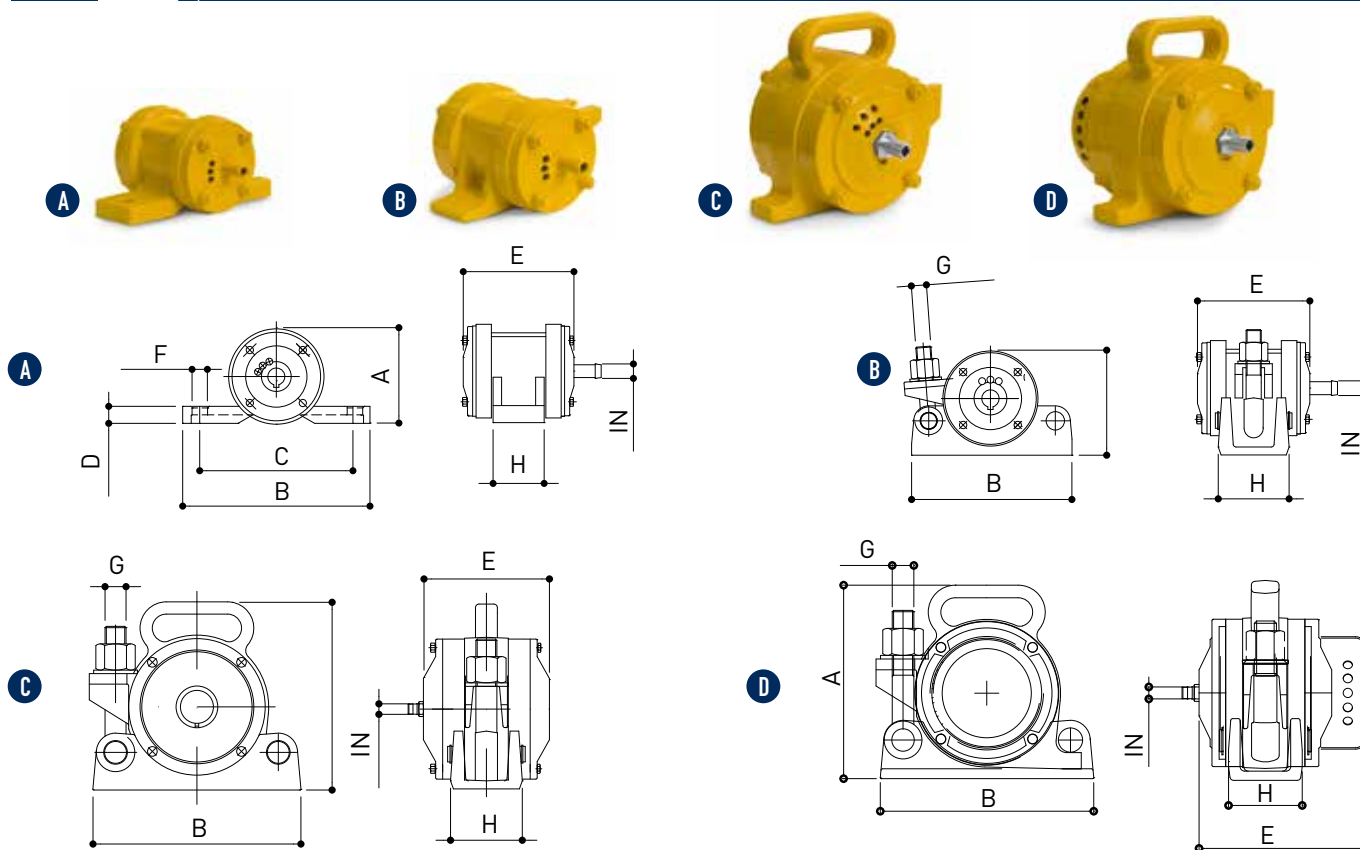
- Efficient and reliable
- No electric component
- No maintenance



EASY HANDLE



Pneumatic vibrators



MODEL	WORKING PRESSURE bar	VIBRATION vpm	CENTR. FORCE kg	AIR CONSUMP. l/min	NOISE LEVEL dB (A)	OVERALL DIMENSIONS										
						DRAWING	A	B	C	D	E	F	G	H	IN	WEIGHT
							mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
HFP 600P	6	17,000	720	1,000	100	A	111	220	180	20	164	20	-	60	15	6.3
HFP 1000P		16,500	1,122	1,100												7.2
HFP 1400P		16,000	1,453	1,200												7.3
HFP 600C	6	17,000	720	1,000	100	B	120	180	-	-	164	-	18	94	15	6.3
HFP 1000C		16,500	1,122	1,100												7.2
HFP 1400C		16,000	1,453	1,200												7.3
HFP 2700C		16,000	2,753	1,600	103	C	224	238	-	-	160	-	24	84	15	14
HFP 4000C		15,200	4,079	1,800												14.5
HFP 6000C		14,500	6,118	1,800												16.3
HFP 4001C*	6	10,200	4,079	1,800	90	D	215	240	-	-	180	-	24	84	15	18

PNEUMATIC VIBRATORS FOR CONCRETE CONSOLIDATION

APPLICATION Concrete formworks in situ
Concrete moulds in precast industry

FEATURES

- WORKING PRESSURE** 6 bar
- AIR SUPPLY QUALITY** Class 5.4.4
- WORKING TEMPERATURE** -10°C +60°C
- MAX NOISE LEVEL** 103 dB(A)
Silent version HFC 4001C: 90 dB(A) at 1 meter distance
- TECHNOLOGY** Eccentric rotor
- MATERIALS** Steel and cast iron
- FINISHING** Painted orange RAL 1007
- CERTIFICATIONS** Conformity verified according to the standard document UNI EN ISO 12100
- ACCESSORIES** Fastening systems:
CLW (Clamp for Wooden formworks);
CLS (Clamp for Steel formworks);
CRS (Cradle for Steel concrete moulds)





Tips and recommendations for use

TIPS FOR CHOOSING THE EXTERNAL VIBRATOR

Selection of the vibrating head length

Must never exceed the thickness of the concrete layer.

Selection of the needle diameter

Factors involved when selecting a model:

- composition of the concrete
- quantity of reinforcements (percentage of reinforcement inside the article)
- size of the spaces existing between the various reinforcements (mesh sizes)
- thickness of the concrete layer

The diameter to be used must allow the guidance of the vibrator inside the reinforcement, without sticking out of and/or getting stuck in the mesh.

Definition of the operating tube length

Must be greater than the depth of the manufactured article in order to allow the vibration of deeper layers.

TIPS FOR CHOOSING THE INTERNAL VIBRATOR

Pneumatic or electric?

The selection depends on the type of power available (electricity grid or compressed air).

What type of fastening?

It depends on the construction material and the shape of the profiles to which the vibrators are to be fastened.

Definition of the positioning

Distribution of vibrators on the formwork.

Definition of the operating cycle

How many vibrators, running simultaneously, are needed.

Definition of the power (electric vibrators)

Electrical or electronic converter (with or without inverter).

MAIN RECOMMENDATIONS OF USE

Repeated vibration

It means vibrating again the already compacted concrete. This technique is used to mix successive layers of concrete in order to improve the surface finish quality of columns and walls and to increase their toughness and wear resistance.

Vibration inside the formwork

Make sure that the vibrating head does not touch the interior walls, because besides damaging them, it can generate depressions in the manufactured article, thus deteriorating the quality of the surfaces. Vibrators with rubber tips may be used for protection.

Insufficient vibration

It is the most common problem. Insufficient vibration can alter the structural properties, such as: lower resistance, higher abrasion, higher permeability, therefore shorter duration and worse surface quality.

Excessive vibration

The use of oversized equipment generates the segregation and subsequent detachment in time of dust and concrete chippings, in addition to the damages incurred to the formwork and moulds.

SOLID FOUNDATIONS

Since 1961 OLI has been committed to delivering market-oriented products. Specialising originally in immersion vibrators, in the late 1980s the company started the production of external electric and pneumatic vibrators. Today OLI is a global player in industrial vibration technology.

Choosing OLI means

PRODUCTS YOU CAN TRUST
Reliable. Efficient. Safe.

SERVICES YOU CAN COUNT ON
OLI's approach is based on consultancy, quick response and "ex-stock" delivery. Local competent and direct customer assistance is available worldwide, through the OLI Group's own subsidiaries.



WHEN YOU NEED IT, WHERE YOU NEED IT.

THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY

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