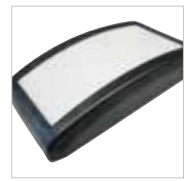


FLOW AIDS



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 18 OLI Trading Subsidiaries, 36 local warehouses and 3 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.

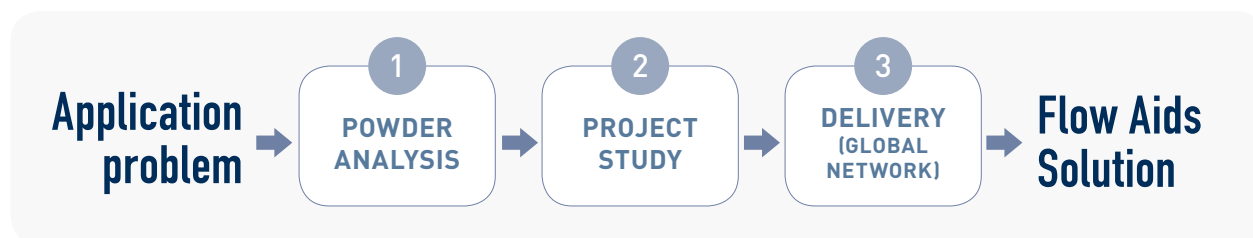
A **GROUP OF SPECIALISTS** is at the customers' disposal to study and offer solutions that perfectly suit any type of application and material present on the market.

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
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

AERATORS

VIBRO-AERATOR
VB

AERATION PAD
I100

AERATION NOZZLE
U

AIR JET

AIR CANNON
PG

COMBINED HAMMER BLAST
PJ

EXTERNAL APPLICATION → NOT IN CONTACT WITH MATERIAL

PNEUMATIC VIBRATORS

LINEAR

SINGLE IMPACT
PS

CONTINUOUS
IMPACT
P

CUSHIONED
K, F

ROTARY

BALL
S

ROLLER
OR

TURBINE
OT

ELECTRIC VIBRATORS

2 POLES 1PH OR 3PH
MVE

2 POLES 1PH OR 3PH
MVE-MICRO

DIRECT CURRENT
MVE-DC

HYDRAULIC VIBRATORS

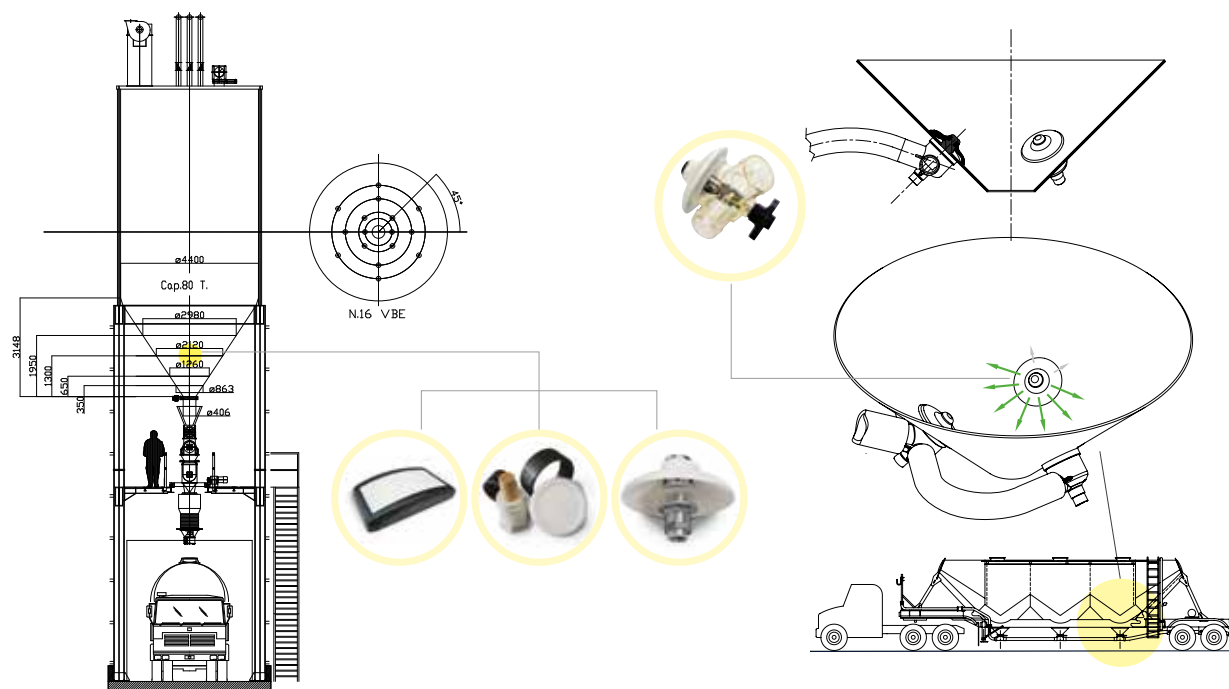
MVO

INTERNAL APPLICATION

AERATORS

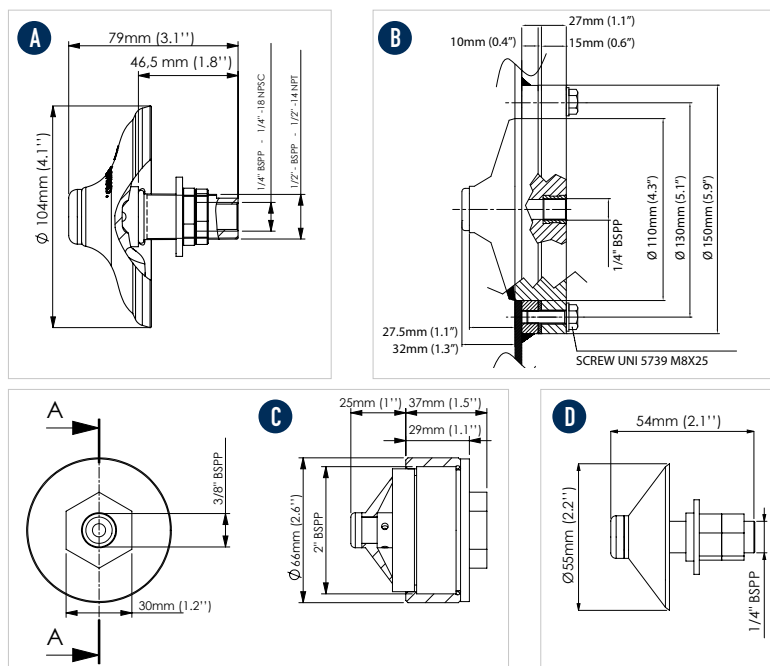
PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
BIN AERATORS VB 	Silos Hoppers Pipes Dry bulk tank trailers Dry bulk rail tankers	Dry, fine powders. Cement Lime Pigments Plastics Starch Flour Sugar Coffee	Compatible with foods and chemicals.	Economical Easy to install Efficient Durable Available 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 External mounting

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	21.1	800	28.2	950	33.5	1150	40.6	-40	170	-40	338
VBSI	A	White	Stainless steel	600	21.1	800	28.2	950	33.5	1150	40.6	-40	170	-40	338
VBSIHT	A	Red	Stainless steel	600	21.1	800	28.2	950	33.5	1150	40.6	-40	235	-40	455
VBSIMD	A	Blue	Stainless steel	600	21.1	800	28.2	950	33.5	1150	40.6	-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	150	5.3	200	7.1	-	-	-	-	-40	170	-40	338
VBSMI	D	White	Stainless steel	150	5.3	200	7.1	-	-	-	-	-40	170	-40	338
VBSMIHT	D	Red	Stainless steel	150	5.3	200	7.1	-	-	-	-	-40	235	-40	455
VBSMIMD	D	Blue	Stainless steel	150	5.3	200	7.1	-	-	-	-	-40	170	-40	338

* With l/min we indicate NL/min so the air consumption normalized at the rated pressure

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

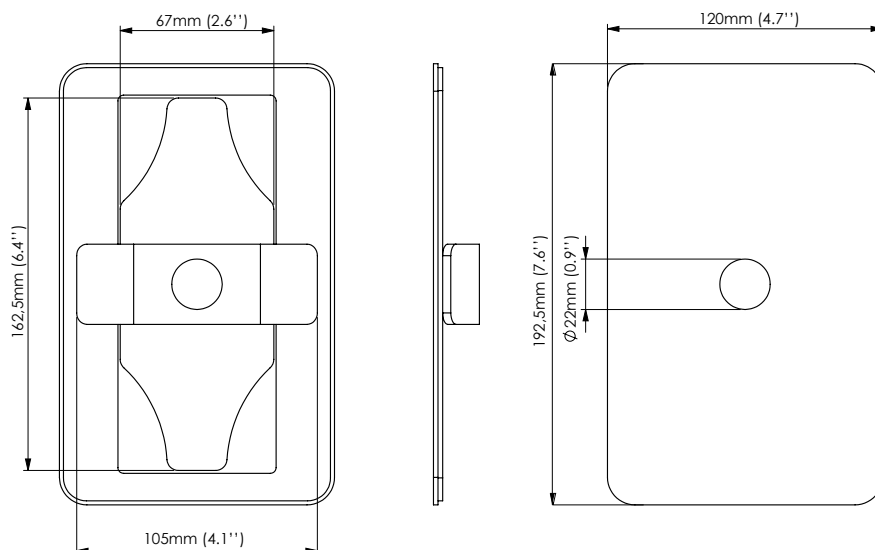




VBS - Bin aerators - External mounting kit

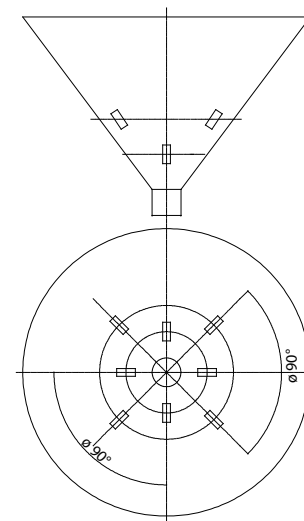
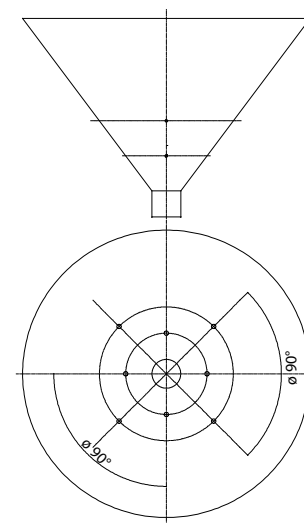


*** THE VBS IS NOT INCLUDED IN THE EXTERNAL MOUNTING**

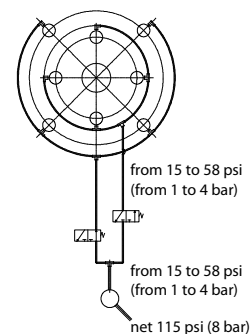


EXTERNAL MOUNTING KIT

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



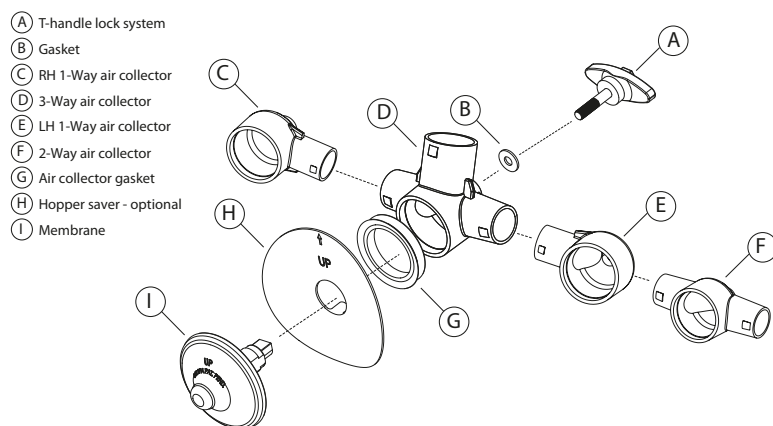
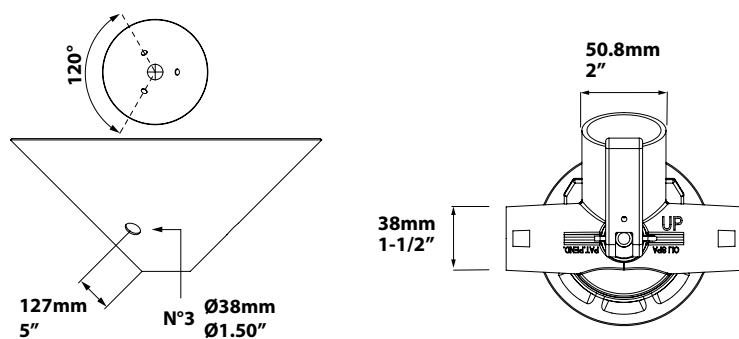
FLUIDIZER PNEUMATIC CIRCUITS



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VBT - Tank truck aerators



VBT SERIES

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

FEATURES

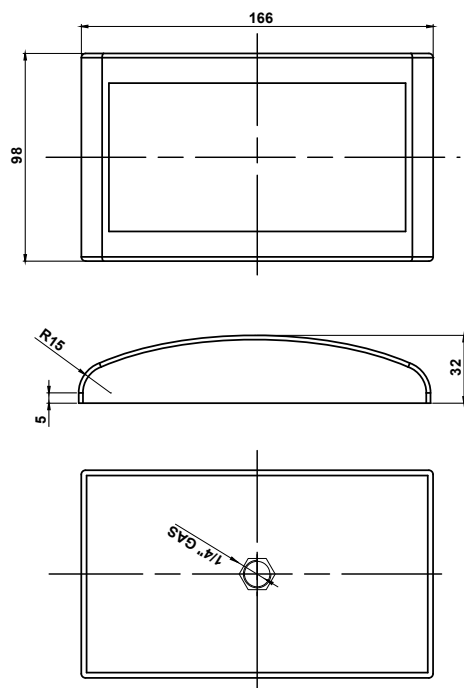
DUTY CYCLE	Continuous (suitable to be used with blower)
WORKING PRESSURE	From 0.7 bar to 2 bar (from 10 psi to 29 psi)
PNEUMATIC CIRCUIT	Suitable standard pneumatic bulk trailer, works with all standard designs
WORKING TEMPERATURE	From -40 °C to 170 °C (from -40 °F to 340 °F)
TECHNOLOGY	Vibro-aeration
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

HOPPER SAVER PLATE	Stainless steel
--------------------	-----------------



I100 - Aeration pads



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

* With l/min we indicate NI/min so the air consumption normalized at the rated pressure

I100 - AERATION PADS

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

FEATURES

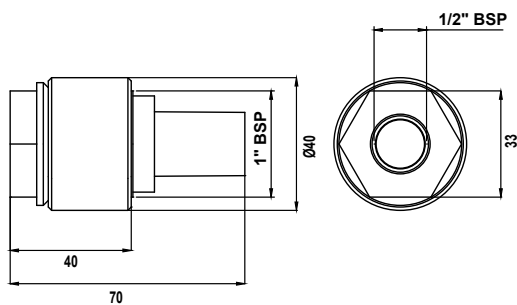
DUTY CYCLE	Continuous
WORKING PRESSURE	0.2 bar (2.9 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve
AIR SUPPLY QUALITY	Class 5.4.1.
WORKING TEMPERATURE	From -20 °C to 80 °C (from -4 °F to 176 °F)
TECHNOLOGY	Fluidification
MATERIAL	Sintered PET filter, PS body

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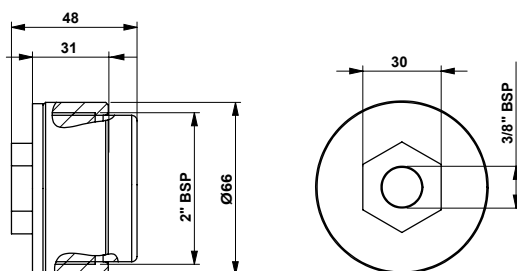


U - Aeration nozzles

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

* With l/min we indicate NI/min so the air consumption normalized at the rated pressure

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

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INTERNAL APPLICATION

AIR JET

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



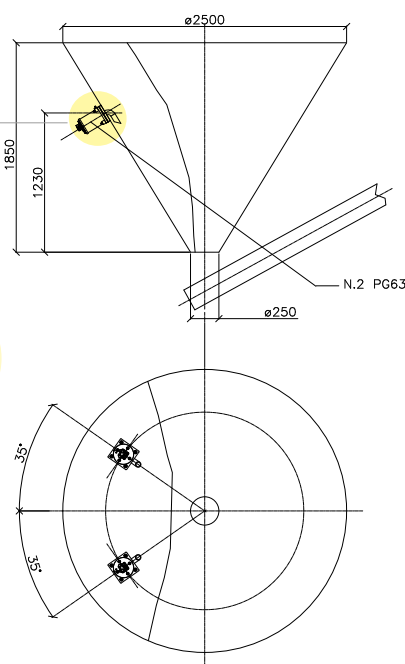
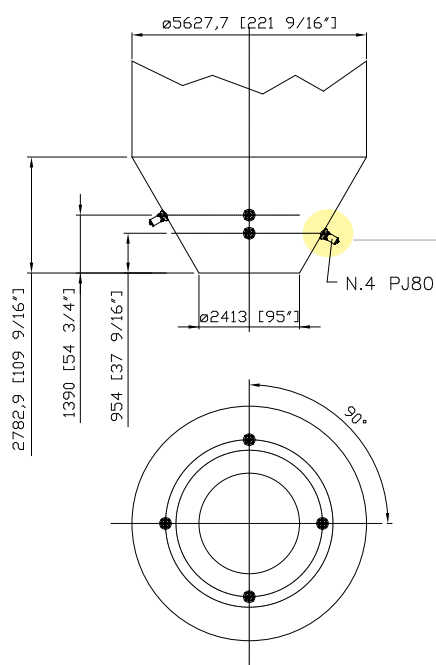
Silos
Hoppers

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.

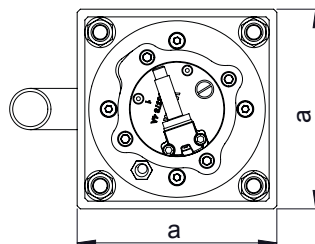
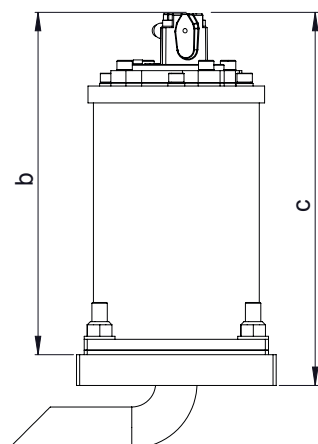
Efficient
Easy to install
Combined effect
Innovative
Supplied with mounting plate

APPLICATIONS





PG - Air blasts



MODEL	DIMENSIONAL SPECIFICATIONS												
	AIR CONSUMPTION (NI)		I Ø PIPE		AIR INLET	A		B		C		WEIGHT	
	3 bar	6 bar	mm	in	BSPP	mm	in	mm	in	mm	in	Kg	lb
PG 40	3.6	5.3	6	0.2	1/8" BSPP	130	5.12	220	8.66	243	9.57	6.8	14.99
PG 63	6.4	11.6	8	0.3	1/4" BSPP	160	6.30	260	10.24	283	11.14	13.0	28.66
PG 80	12.5	21	8	0.3	1/4" BSPP	200	7.87	308	12.13	336	13.23	22.5	49.60

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

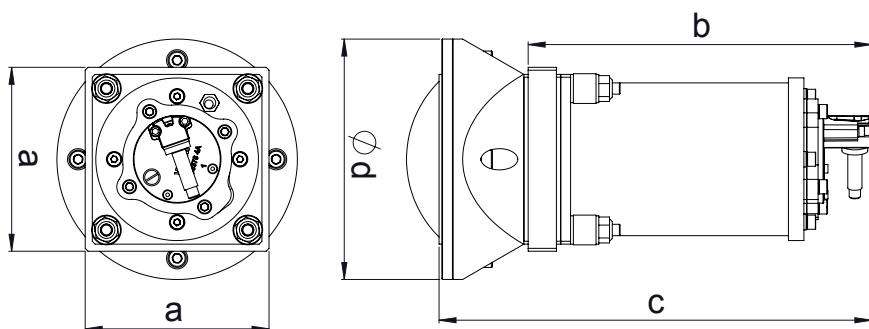
TIMER Adjustable from 30sec to 45min

MULTI-TENSION COILS From 24v (Ac/Dc) to 230v

FULLY PNEUMATIC KIT Available



PJ - Air Jet - Combined hammer blasts



DIMENSIONAL SPECIFICATIONS

MODEL	A		B		C		ØD		WEIGHT	
	mm	in	mm	in	mm	in	mm	in	Kg	lb
PJ 40	130	5.12	220	8.66	306	12.05	170	6.69	7.6	16.76
PJ 63	160	6.30	260	10.24	363	14.29	222	8.74	20.2	44.53
PJ 80	200	7.87	308	12.13	435	17.13	280	11.02	38.0	83.78

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	in	BSPP
PJ 40	8.4	199	18.1	429	3.6	5.3	6	0.24	1/8" BSPP
PJ 63	28.8	589	62.0	1,268	6.4	11.6	8	0.31	1/4" BSPP
PJ 80	59.2	846	153.0	2,186	12.5	21.0	8	0.31	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

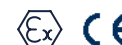
MATERIAL Steel body, nylon base, steel attachment plate, PS040-063 nylon (PS080 aluminium) head

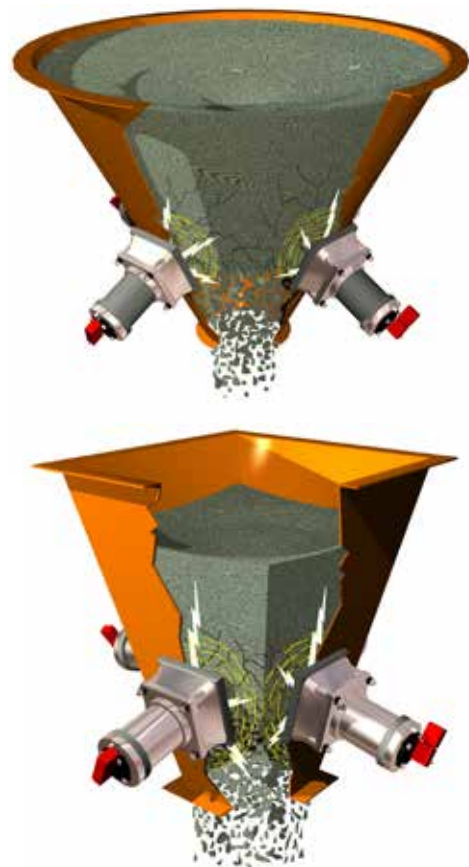
OPTIONS

TIMER Adjustable from 30sec to 45min

MULTI-TENSION COILS From 24V (ac/dc) to 230V

FULLY PNEUMATIC KIT Available





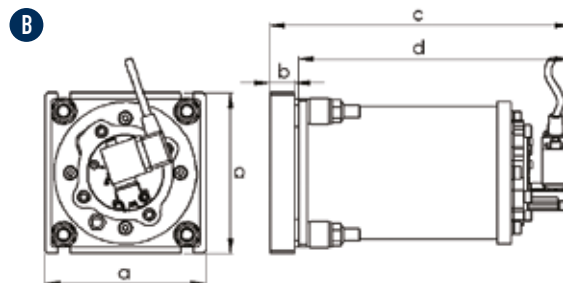
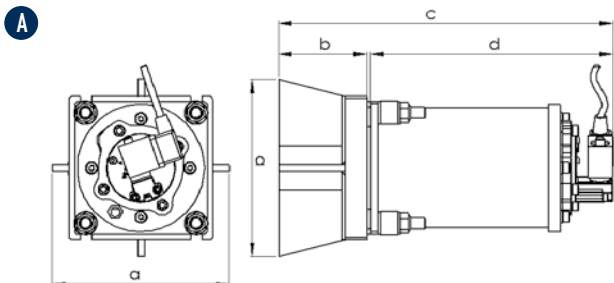
PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
SINGLE IMPACT - MARTSHOCK PS 	Silos Storage systems Hoppers	Hygroscopic powders. Flour Detergents Phosphates Fertilizers Lime Cement Clay Pigments	High impact strength solves bridging or rat holing problems. Atex II3D c T85 °C (pneumatic only).	Economical 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 II2G c Tx Atex II2D c Tx	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 II2G c Tx Atex II2D c Tx	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 II2G c Tx Atex II2D c Tx	Economical Silent Low air consumption Easy to install Adjustable force and vibration frequency

Technical drawing of a 2000L container, showing various views and dimensions:

- Top View:** Shows a circular base with a diameter of $\varnothing 1200$. The container has a height of 2100 mm. The base is divided into sections with dimensions 1180, 1000, 1200, and 1200. A section is labeled "K1 P25".
- Side View:** Shows a conical shape with a height of 2100 mm. The base diameter is $\varnothing 1200$. The container is divided into sections with dimensions 1180, 1000, 1200, and 1200. A section is labeled "K1 P25".
- Front View:** Shows a rectangular container with a width of 1300 mm and a height of 250 mm. The base is divided into sections with dimensions 320, 30, and 130. A section is labeled "K22".
- Isometric View:** Shows the container from an isometric perspective, with dimensions 350, 2000, 350, and 250. A section is labeled "K22".
- Callouts:** Several callouts point to specific components:
 - Callout 1: Points to a component labeled "K1 P25".
 - Callout 2: Points to a component labeled "K22".
 - Callout 3: Points to a component labeled "K22".
 - Callout 4: Points to a component labeled "K22".
 - Callout 5: Points to a component labeled "K22".
 - Callout 6: Points to a component labeled "K22".
 - Callout 7: Points to a component labeled "K22".
 - Callout 8: Points to a component labeled "K22".
 - Callout 9: Points to a component labeled "K22".
 - Callout 10: Points to a component labeled "K22".
 - Callout 11: Points to a component labeled "K22".
 - Callout 12: Points to a component labeled "K22".
 - Callout 13: Points to a component labeled "K22".
 - Callout 14: Points to a component labeled "K22".
 - Callout 15: Points to a component labeled "K22".
 - Callout 16: Points to a component labeled "K22".
 - Callout 17: Points to a component labeled "K22".
 - Callout 18: Points to a component labeled "K22".
 - Callout 19: Points to a component labeled "K22".
 - Callout 20: Points to a component labeled "K22".
 - Callout 21: Points to a component labeled "K22".
 - Callout 22: Points to a component labeled "K22".
 - Callout 23: Points to a component labeled "K22".
 - Callout 24: Points to a component labeled "K22".
 - Callout 25: Points to a component labeled "K22".
 - Callout 26: Points to a component labeled "K22".
 - Callout 27: Points to a component labeled "K22".
 - Callout 28: Points to a component labeled "K22".
 - Callout 29: Points to a component labeled "K22".
 - Callout 30: Points to a component labeled "K22".
 - Callout 31: Points to a component labeled "K22".
 - Callout 32: Points to a component labeled "K22".
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 - Callout 69: Points to a component labeled "K22".
 - Callout 70: Points to a component labeled "K22".
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 - Callout 80: Points to a component labeled "K22".
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 - Callout 83: Points to a component labeled "K22".
 - Callout 84: Points to a component labeled "K22".
 - Callout 85: Points to a component labeled "K22".
 - Callout 86: Points to a component labeled "K22".
 - Callout 87: Points to a component labeled "K22".
 - Callout 88: Points to a component labeled "K22".
 - Callout 89: Points to a component labeled "K22".
 - Callout 90: Points to a component labeled "K22".
 - Callout 91: Points to a component labeled "K22".
 - Callout 92: Points to a component labeled "K22".
 - Callout 93: Points to a component labeled "K22".
 - Callout 94: Points to a component labeled "K22".
 - Callout 95: Points to a component labeled "K22".
 - Callout 96: Points to a component labeled "K22".
 - Callout 97: Points to a component labeled "K22".
 - Callout 98: Points to a component labeled "K22".
 - Callout 99: Points to a component labeled "K22".
 - Callout 100: Points to a component labeled "K22".



PS - Linear pneumatic vibrators - Single impact



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

MODEL	A		B		C		D		WEIGHT	
	mm	in	mm	in	mm	in	mm	in	Kg	lb
PS 40	160	6.30	80	3.15	302	11.89	219	8.62	8.0	17.64
PS 63	200	7.87	95	3.74	357	14.06	259	10.20	16.5	36.38
PS 80	250	9.84	119	4.69	430	16.93	308	12.13	31.5	69.45

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

MODEL	A		B		C		D		WEIGHT	
	mm	in	mm	in	mm	in	mm	in	Kg	lb
PS 40	130	5.12	20	0.79	242	9.53	219	8.62	7.4	16.31
PS 63	163	6.42	20	0.79	282	11.10	259	10.20	14.4	31.75
PS 80	200	7.87	25	0.98	336	13.23	308	12.13	26.2	57.76



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	in	BSPP
PS 40	8.4	199	18.1	429	3.6	5.3	6	0.24	1/8" BSPP
PS 63	28.8	589	62.0	1,268	6.4	11.6	8	0.31	1/4" BSPP
PS 80	59.2	846	153.0	2,186	12.5	21.0	8	0.31	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

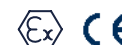
OPTIONS

KIT ATEX II 3D c T85 °C - PP plate, technothane tablet

TIMER Adjustable from 30sec to 45min

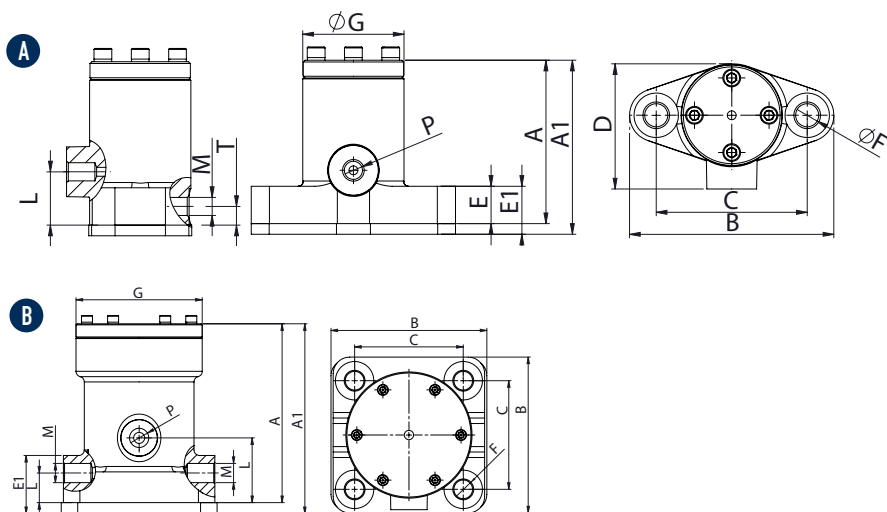
MULTI-TENSION COILS From 24V (ac/dc) to 230V

FULLY PNEUMATIC KIT Available





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	kgcm	inlb	l/min*	Cfm	V/min	N	lb	kgcm	inlb	l/min*	Cfm	V/min	N	lb	kgcm	inlb	l/min*	Cfm
P25	2500	294	66	0.43	0.37	55	1.9	3800	680	153	0.43	0.37	80	2.8	4500	954	214	0.43	0.37	125	4.4
P40	1650	484	109	1.63	1.41	70	2.5	2200	860	193	1.63	1.41	120	4.2	2800	1396	314	1.63	1.41	150	5.3
P60	1200	1296	291	4.11	3.57	100	3.5	1600	2304	518	4.11	3.57	250	8.8	1900	3250	731	4.11	3.57	300	10.6

* With l/min we indicate NU/min so the air consumption normalized at the rated pressure

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) without ATEX Kit
From -20 °C to +110 °C (from -4 °F to +230 °F) with ATEX Kit

MAX NOISE LEVEL 100 dB(a)

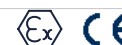
TECHNOLOGY Piston pneumatic impact

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

OPTIONS

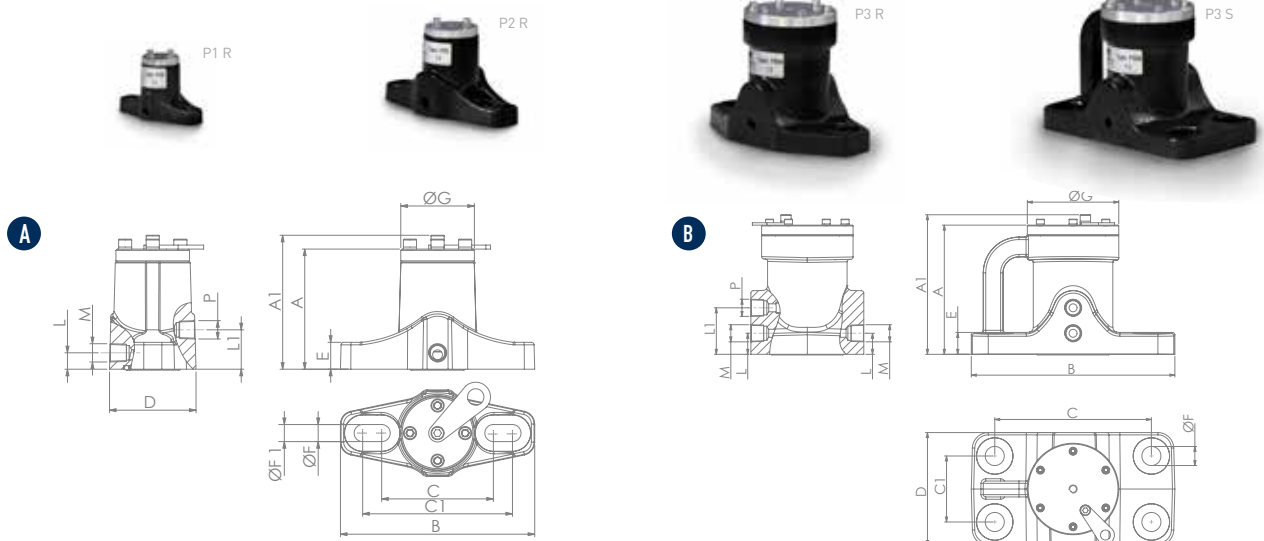
KIT ATEX II 2D C TX
II 2G C TX

SAFETY CHAIN Available





P-US - Linear pneumatic vibrators - Continuous impact

COMPATIBLE WITH MOST COMMON US FOOT PRINT

DIMENSIONAL SPECIFICATIONS

MODEL	DRAW.	A		A1		B		C		C 1		D		E		Ø F		Ø F 1		Ø G		P	L		L 1		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
P10 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
P20 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
P30 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
P30 S	B	162.5	6.34	175.5	6.84	256	9.98	197	7.68	83	3.24	142	5.54	27.5	1.07	24	0.94	/	/	115	4.49	1/2"	58.5	2.28	26.5	1.03	1/2"	14.0	30.9

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	kgcm	inlb	l/min*	Cfm	V/min	N	lb	kgcm	inlb	l/min*	Cfm	V/min	N	lb	kgcm	inlb	l/min*	Cfm
P10 R	2500	294	66	0.43	0.37	55	1.9	3800	680	153	0.43	0.37	80	2.8	4500	954	214	0.43	0.37	200	7.1
P20 R	1650	484	109	1.63	1.41	70	1.1	2200	860	193	1.63	1.41	120	4.2	2800	1396	314	1.63	1.41	250	8.8
P30 R	1200	1296	291	4.11	3.57	100	3.5	1600	2304	518	4.11	3.57	250	8.8	1900	3250	731	4.11	3.57	400	14.1
P30 S	1200	1296	291	4.11	3.57	100	3.5	1600	2304	518	4.11	3.57	250	8.8	1900	3250	731	4.11	3.57	400	14.1

* With l/min we indicate NL/min so the air consumption normalized at the rated pressure

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

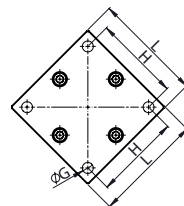
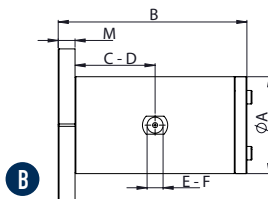
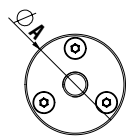
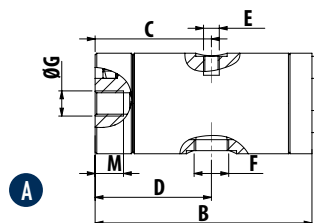
OPTIONS

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	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	2.20	1/8" BSPP	1/8" BSPP	M10	/	/	/	/	13	0.51	0.50	1.10	
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	6.30	
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	4.60	10.14	

LF = Lubrication Free

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.				
	VPM	N	lb	kgcm	inlb	l/min *	cfm	VPM	N	lb	kgcm	inlb	l/min*	cfm	VPM	N	lb	kgcm	inlb	l/min*	cfm			
K 15	5040	33	7.5	0.02	0.02	9	0.3	5880	45	10.2	0.02	0.02	15	0.5	6720	59	13.3	0.02	0.02	21	0.7			
K 22	2880	95	21.4	0.21	0.18	32	1.1	3480	139	31.3	0.21	0.18	50	1.8	4080	191	43.0	0.21	0.18	73	2.6			
K 30	2640	172	38.6	0.45	0.39	45	1.6	3120	240	53.9	0.45	0.39	90	3.2	3720	341	76.7	0.45	0.39	140	4.9			
K 45	1920	391	87.8	1.94	1.68	56	2	2400	611	137.3	1.94	1.68	125	4.4	2580	706	158.6	1.94	1.68	194	6.8			
K 60	1260	723	162.4	8.31	7.21	70	2.7	1560	1108	248.9	8.31	7.21	125	4.4	2160	2124	477.3	8.31	7.21	202	7.1			
K 15 LF	5040	33	7.5	0.02	0.02	9	0.3	5880	45	10.2	0.02	0.02	15	0.5	6720	59	13.3	0.02	0.02	21	0.7			
K 22 LF	2880	82	18.4	0.18	0.16	32	1.1	3480	119	26.8	0.18	0.16	50	1.8	4080	164	36.9	0.18	0.16	73	2.6			
K 30 LF	2640	160	36.0	0.42	0.36	45	1.6	3120	224	50.3	0.42	0.36	90	3.2	3720	318	71.5	0.42	0.36	140	4.9			
K 45 LF	1920	394	88.6	1.95	1.69	56	2	2400	616	138.4	1.95	1.69	125	4.4	2580	712	159.9	1.95	1.69	194	6.8			
K 60 LF	1260	723	162.4	8.31	7.21	70	2.7	1560	1108	248.9	8.31	7.21	125	4.4	2160	2124	477.3	8.31	7.21	202	7.1			

LF = Lubrication Free

* With l/min we indicate NI/min so the air consumption normalized at the rated pressure

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 80 dB(a)

TECHNOLOGY Piston pneumatic cushioned

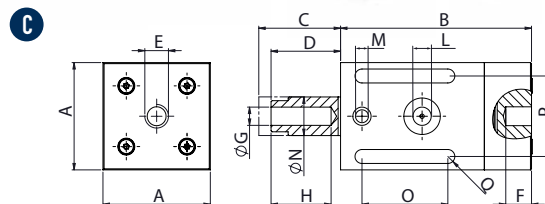
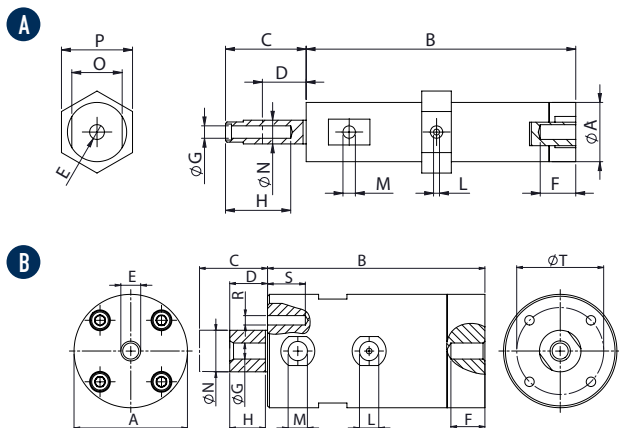
ATEX II 2D C TX
II 2G C TX

MATERIAL Aluminium body





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	IN	OUT	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	0.20	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	1.10
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	6.30	122	4.80	52	2.05	22	0.87	M20	30	1.18	M20	30	1.18	/	/	3/8" BSPP	2x3/8" BSPP	85	3.35	/	/	/	/	/	/	M10	/	/	140	5.51	16.5	36.3

MODEL	2 bar							4 bar							6 bar						
	VIBRA-TION	FORCE		WORKING MOMENT		AIR CONSUMPTION		VIBRA-TION	FORCE		WORKING MOMENT		AIR CONSUMPTION		VIBRA-TION	FORCE		WORKING MOMENT		AIR CONSUMPTION	
	V/min	N	lb	kgcm	inlb	l/min*	cfm	V/min	N	lb	kgcm	inlb	l/min*	cfm	V/min	N	lb	kgcm	inlb	l/min*	cfm
F8	2020	9.1	2	0.04	0.04	7	0.2	2950	19.3	4.3	0.04	0.04	19	0.7	3600	28.8	6.5	0.04	0.04	28	1.0
F15	2280	75.7	17	0.27	0.23	20	0.7	2520	92.5	20.8	0.27	0.23	38	1.3	2820	115.9	26.0	0.27	0.23	67	2.4
F15P	1920	54.5	12.3	0.27	0.23	20	0.7	2160	69.0	15.5	0.27	0.23	42	1.5	2340	81.0	18.2	0.27	0.23	80	2.8
F18	2070	71.8	16.1	0.31	0.27	29	1.0	2520	106.4	23.9	0.31	0.27	55	1.9	3300	182.5	41.0	0.31	0.27	100	3.5
F25	1860	108.0	24.3	0.57	0.49	32	1.1	2040	129.9	29.2	0.57	0.49	60	2.1	2220	179.8	40.4	0.57	0.49	105	3.7
F40	1380	259.6	58.3	2.49	2.16	80	2.8	1560	331.8	74.6	2.49	2.16	190	6.7	1740	412.8	92.8	2.49	2.16	320	11.2
F85	1680	2137.2	480.3	13.82	12.00	240	8.4	1980	2968.6	667.1	13.82	12.00	390	13.7	2280	3936.3	884.6	13.82	12.00	580	20.4

* With l/min we indicate NL/min so the air consumption normalized at the rated pressure

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 80 dB(a)

TECHNOLOGY Piston pneumatic cushioned

ATEX II 2D C TX
II 2G C TX

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

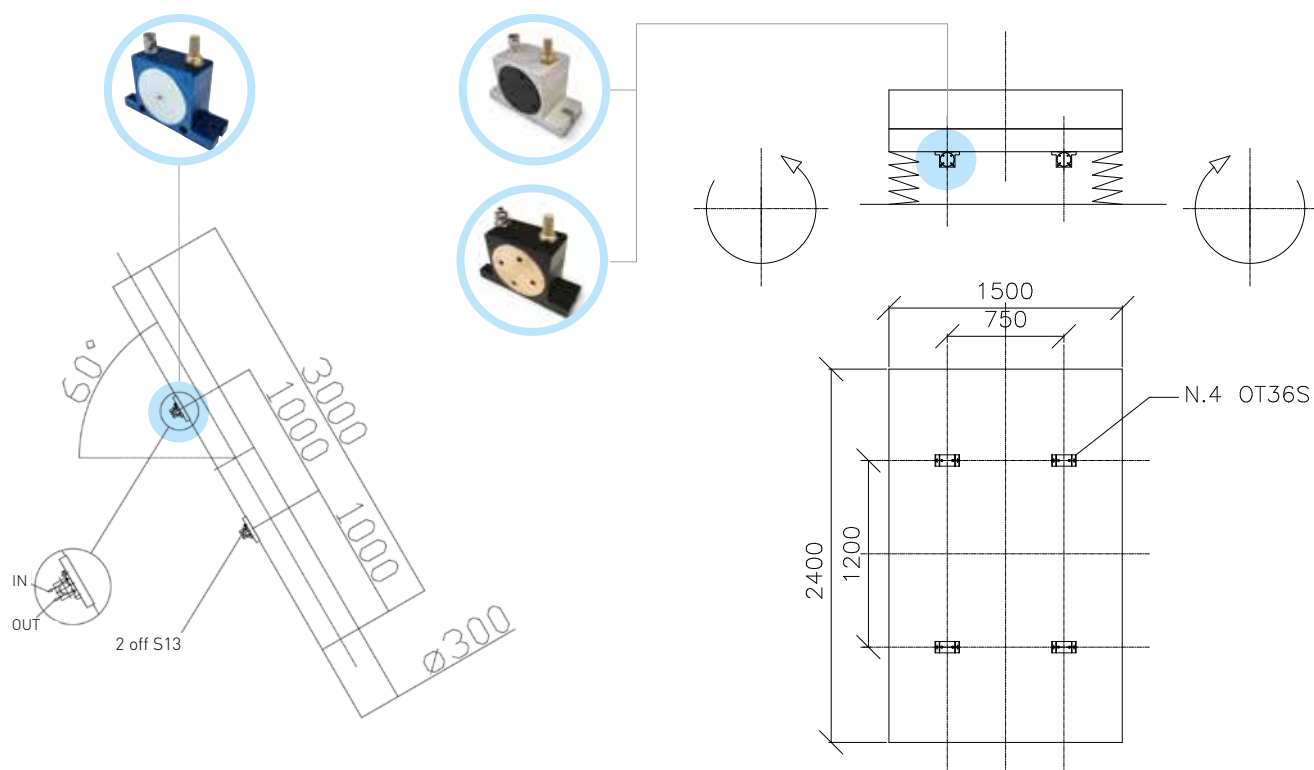




ROTARY PNEUMATIC VIBRATORS

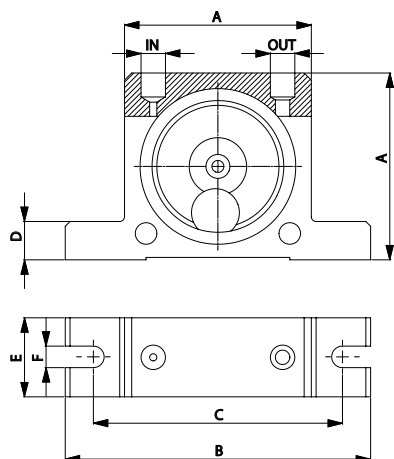
PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
BALL VIBRATORS S 	Silos Hoppers Piping Chutes Compacting	Dry powders. Granules Plastics Sand Ashes Cement Lime	Filter sleeve cleaning. Suitable for outdoor use. Resistant to oxidation. Atex II2G c Tx Atex II2D c Tx	Economical Low air consumption High 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. Atex II2G c Tx Atex II2D c Tx	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 II2G c Tx Atex II2D c Tx	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	in	mm	in	mm	in	mm	in	mm	in	mm	in		kg	lb
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			2 bar (29 psi)		4 bar (58 psi)		6 bar (87 psi)		2 bar (29 psi)		4 bar (58 psi)		6 bar (87 psi)	
	2 bar (29 psi)	4 bar (58 psi)	6 bar (87 psi)	kg	lb	kg	lb	kg	lb	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

* With l/min we indicate NI/min so the air consumption normalized at the rated pressure

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

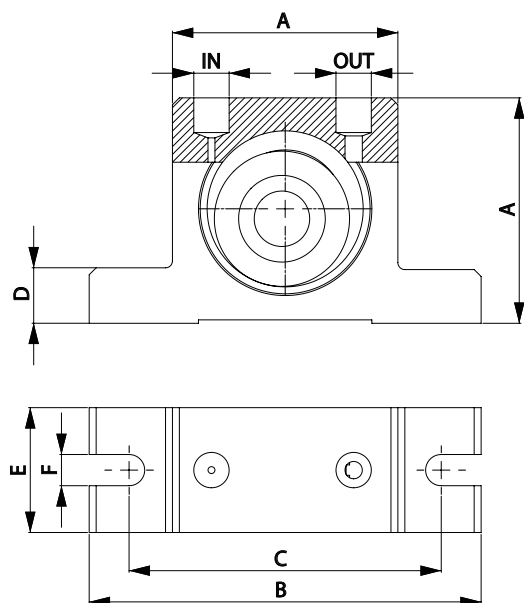
ATEX II 2D C TX
II 2G C TX

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	lb
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			2 bar (29 psi)		4 bar (58 psi)		6 bar (87 psi)		2 bar (29 psi)		4 bar (58 psi)		6 bar (87 psi)	
	2 bar (29 psi)	4 bar (58 psi)	6 bar (87 psi)	kg	lb	kg	lb	kg	lb	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

* With l/min we indicate NI/min so the air consumption normalized at the rated pressure

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.

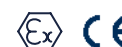
WORKING TEMPERATURE From -20 °C to 200 °C (from -4 °F to 392 °F)

MAX NOISE LEVEL <90 dB[a]

TECHNOLOGY Roller vibration - high frequency and centrifugal force

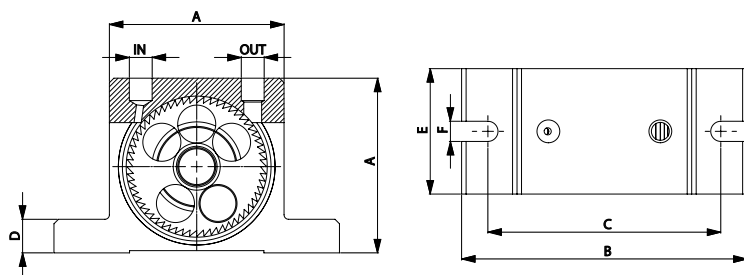
ATEX II 2D C TX
II 2G C TX

MATERIAL Aluminium body and brass cover





OT - Rotary pneumatic vibrators - Turbine



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	lb
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			2 bar (29 psi)		4 bar (58 psi)		6 bar (87 psi)		2 bar (29 psi)		4 bar (58 psi)		6 bar (87 psi)	
	2 bar (29 psi)	4 bar (58 psi)	6 bar (87 psi)	kg	lb	kg	lb	kg	lb	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

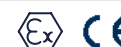
* With l/min we indicate NI/min so the air consumption normalized at the rated pressure

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

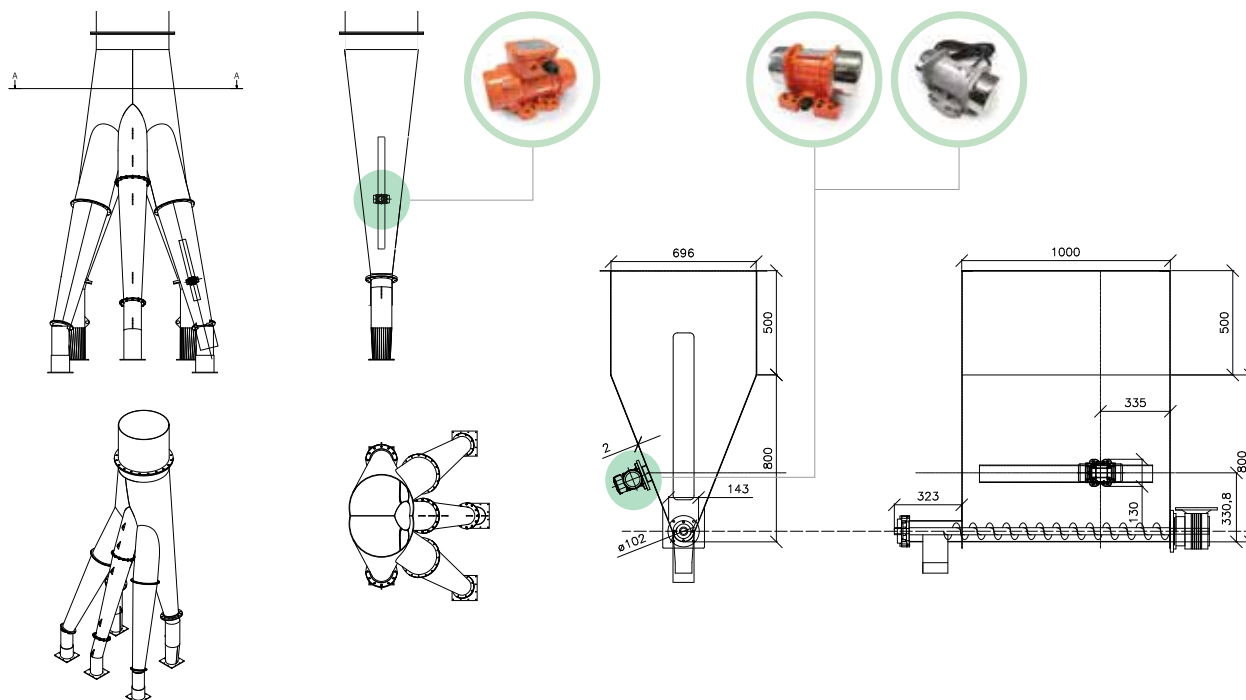
DUTY CYCLE	Continuous
WORKING PRESSURE	From 2 bar to 6 bar (from 29 psi to 87 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve + 3/2 ways valve
AIR SUPPLY QUALITY	Class 5.4.1.
WORKING TEMPERATURE	From -20 °C to 120 °C (from -4 °F to 248 °F)
MAX NOISE LEVEL	<90 dB[a]
TECHNOLOGY	Turbine vibration - high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



ELECTRIC VIBRATORS

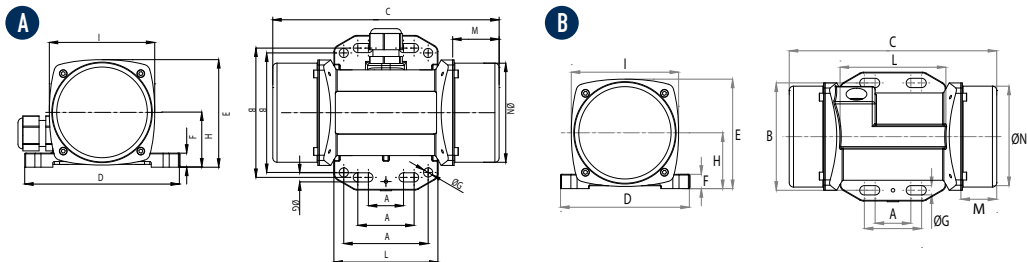
PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
2 POLES MICRO MVE-MICRO 	Small hoppers Micro-screens Chutes Vibrating feeders, tables and channels	Fine, dry powder. Plastics Sugar Bicarbonate Seeds	Compact, uni-body, heavy-duty design. Supplied with stainless steel covers in standard version. Atex II2D T100°C.	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 520 W. Resistant to oxidation.	Economical Robust Safe Terminal box connection sealed (option) Adjustable force

APPLICATIONS





MVE-MICRO - 2 poles electric vibrators



DIMENSIONAL SPECIFICATIONS

MODEL		DRAW.	C		M		A		B		Ø G		HOLES	D		E		F		H		I		L		N		SCREW	
50 Hz	60 Hz - USA		mm	in	mm	in	mm	in	mm	in	mm	in		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	Metric	in
MVE 21/3E-MICRO	MVE 21/36E-MICRO	A	145	5.7	25	1.0	25-40 60	1-1.6 2.4	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"
MVE 41/3E-MICRO	MVE41/36E-MICRO	B	145	5.7	25	1.0	-	-	-	-	-	-	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"
MVE 3/3E-MICRO-M	MVE 3/36E-MICRO-M	A	145	5.7	25	1.0	25-40 60	1-1.6 2.4	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"
MVE 6/3E-MICRO-M	MVE 6/36E-MICRO-M	B	145	5.7	25	1.0	25-40 60	1-1.6 2.4	75	3.0	6.5	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"
MVE 21/3E-MICRO-M	MVE 21/36E-MICRO-M	A	145	5.7	25	1.0	25-40 60	1-1.6 2.4	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"
MVE 41/3E-MICRO-M	MVE 41/36E-MICRO-M	A	161	6.3	33	1.3	25-40 60	1-1.6 2.4	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"

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

												ELECTRIC FEATURES											
MODEL		WORKING MOMENT				CENTRIFUGAL FORCE				WEIGHT		POWER				CURRENT			COSΦ				
		kgcm		inlb		kg		lb				kW		Hp		A max							
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	kg	lb	50Hz	60Hz	50Hz	60Hz	230V	400V	460V	230V	400V	460V
50 Hz	60 Hz- USA	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	kg	lb	50Hz	60Hz	50Hz	60Hz	50Hz	50Hz	60Hz	50Hz	50Hz	60Hz		
MVE 21/3E-MICRO	MVE 21/36E-MICRO	0.40	0.40	0.35	0.35	20	29	44	64	2.0	4.4	0.04	0.04	0.05	0.05	0.16	0.12	0.12	0.45	0.45	0.42		
MVE 41/3E-MICRO	MVE41/36E-MICRO	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

												ELECTRICAL FEATURES							
MODEL		WORKING MOMENT				CENTRIFUGAL FORCE				WEIGHT		POWER				CURRENT		COSΦ	
		kgcm		inlb		kg		lb				Kw		Hp		A max			
50 Hz	60 Hz- USA	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	kg	lb	50Hz	60Hz	50Hz	60Hz	230V 50Hz	115V 60Hz	230V 50Hz	115V 60Hz
MVE 3/3E-MICRO-M	MVE 3/36E-MICRO-M	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
MVE 6/3E-MICRO-M	MVE 6/36E-MICRO-M	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
MVE 21/3E-MICRO-M	MVE 21/36E-MICRO-M	0.40	0.40	0.35	0.35	20	29	44	64	2.0	4.4	0.04	0.07	0.05	0.09	0.20	0.80	0.80	0.80
MVE 41/3E-MICRO-M	MVE 41/36E-MICRO-M	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	II3D Ex tc IIIC 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

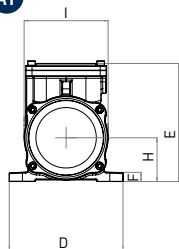
OPTIONS

ATEX	Ex II 2D Ex tb IIIC Tx Db IP 66 Ex tb IIIC Tx Db IP66
CUSTOMISED CABLE	Available

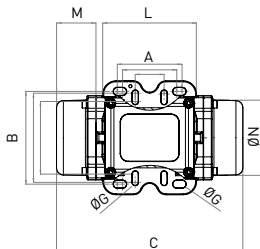


MVE - 2 poles electric vibrators

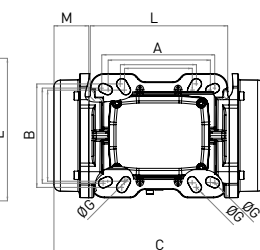
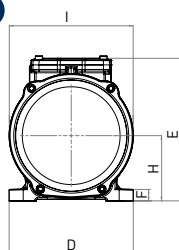
A1



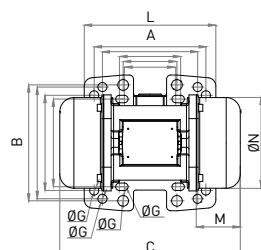
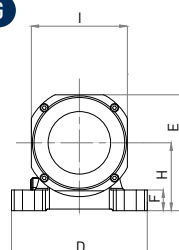
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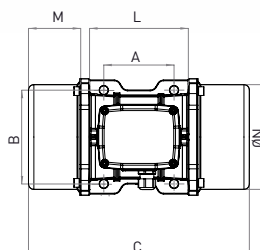
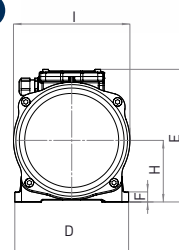
C1



6



D1



DIMENSIONAL SPECIFICATIONS

THREE PHASE MODEL			DRAWING	SIZE	C		M		A		B		ØG		HOLES	D		E		F		H		I		L		N		WEIGHT	
50 Hz	60 Hz	60 Hz U.S. Market			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 60/3E-10A0	MVE 60/36E-10A0	MVE 160/2E-10A0	A1	10A0	213	8.4	45	1.8	62-74 33	2.44-2.91 1.3	106	4.2	9	0.4 0.3	4	130	5.1	135	5.3	11	0.4	50	2.0	96	3.8	107	4.2	85	3.3	4	9.3
MVE 100/3E-10A0	MVE 100/36E-10A0	MVE 220/2E-10A0	A1	10A0	213	8.4	45	1.8	62-74 33	2.44-2.91 1.3	106	4.2	9	0.4 0.3	4	130	5.1	135	5.3	11	0.4	50	2.0	96	3.8	107	4.2	85	3.3	5	11.0
MVE 200/3E-20A0	MVE 200/36E-20A0	MVE 440/2E-20A0	B1	20A0	233	9.2	54	2.1	62-74	2.44-2.91	106	4.2	9	0.4	4	130	5.1	154	6.1	15	0.6	65	2.6	125	4.9	120	4.7	112	4.4	7	15.4
MVE 200/3E-23A0	MVE 200/36E-23A0	MVE 440/2E-23A0	G	23A0	222	8.7	55	2.2	62-74 65 115	2.44-2.91 2.6 4.5	106 140	4.2 5.5	9 13	0.4 0.5 0.4	4	164	6.5	140	5.5	25.0	1.0	82	3.2	116	4.6	159	6.3	110	4.3	7	16.0
MVE 300/3E-30A0	MVE 300/36E-30A0	MVE 690/2E-30A0	C1	30A0	254	10.0	42	1.7	135 80 90 124	5.3 3.1 3.5 4.9	115 110	4.5 4.3	11 11	0.4 0.4 0.5 0.4	4	150	5.9	173	6.8	15.0	0.6	79	3.1	150	5.9	166	6.5	134	5.3	10	21.6
MVE 400/3E-30A0	MVE 400/36E-30A0	MVE 890/2E-30A0	C1	30A0	274	10.8	52	2.0	80 90 124 135	3.1 3.5 4.9 5.3	110 125	4.3 4.9	11 13	0.4 0.5 0.4 0.4	4	150	5.9	173	6.8	15.0	0.6	79	3.1	150	5.9	166	6.5	134	5.3	10	22.7
MVE 500/3E-40A0	MVE 500/36E-40A0	MVE 1200/2E-40A0	D1	40A0	330	13.0	78	3.1	105	4.1	140	5.5	13	0.5	4	170	6.7	196	7.7	20	0.6	92	3.6	169	6.7	166	6.5	158	6.2	16	34.8
MVE 700/3E-40A0	MVE 700/36E-40A0	MVE 1700/2E-40A0	D1	40A0	330	13.0	78	3.1	105	4.1	140	5.5	13	0.5	4	170	6.7	196	7.7	20	0.6	92	3.6	169	6.7	166	6.5	158	6.2	17	36.4
MVE 800/3E-50A0	MVE 800/36E-50A0	MVE 1800/2E-50A0	D1	50A0	321	12.6	62	2.4	120	4.7	170	6.7	17	0.7	4	208	8.2	210	8.3	22	0.9	96	3.8	185	7.3	192	7.6	170	6.7	20	44.8

DIMENSIONAL SPECIFICATIONS

SINGLE PHASE MODEL			DRAWING	SIZE	C		M		A		B		ØG		HOLES	D		E		F		H		I		L		N		WEIGHT	
50 Hz	60 Hz	60 Hz U.S. Market			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 60/3E-10A0-M	MVE 60/36E-10A0-M	MVE 160/2E-10A0-M	A1	10A0	213	8.4	45	1.8	62-74 33	2.44-2.91 1.3	106	4.2	9	0.4 0.3	4	130	5.1	135	5.3	11	0.4	50	2.0	96	3.8	107	4.2	85	3.3	4	9.3
MVE 100/3E-10A0-M	MVE 100/36E-10A0-M	MVE 220/2E-10A0-M	A1	10A0	213	8.4	45	1.8	62-74 33	2.44-2.91 1.3	106	4.2	9	0.4 0.3	4	130	5.1	135	5.3	11	0.4	50	2.0	96	3.8	107	4.2	85	3.3	5	11.0
MVE 200/3E-20A0-M	MVE 200/36E-20A0-M	MVE 440/2E-20A0-M	B1	20A0	233	9.2	54	2.1	62-74	2.44-2.91	106	4.2	9	0.4	4	130	5.1	154	6.1	15	0.6	65	2.6	125	4.9	120	4.7	112	4.4	7	15.4
MVE 200/3E-23A0-M	MVE 200/36E-23A0-M	MVE 440/2E-23A0-M	G	23A0	222	8.7	55	2.2	62-74 65 115	2.44-2.91 2.6 4.5	106 140	4.2 5.5	9 13	0.4 0.5 0.4	4	164	6.5	140	5.5	25.0	1.0	82	3.2	116	4.6	159	6.3	110	4.3	7	16.0
MVE 300/3E-30A0-M	MVE 300/36E-30A0-M	MVE 690/2E-30A0-M	C1	30A0	254	10.0	42	1.7	135 80 90 124 135	5.3 3.1 3.5 4.9 5.3	115 110	4.5 4.3	11 11	0.4 0.4 0.5 0.4 0.4	4	150	5.9	173	6.8	15.0	0.6	79	3.1	150	5.9	166	6.5	134	5.3	10	21.6

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MVE THREE PHASE

MODEL			ELECTRICAL FEATURES																			
			WORKING MOMENT				CENTRIFUGAL FORCE				POWER				CURRENT		Ia/In		ClassII Div.2	II 2D	CABLE GLAND	
			Kgcm		inLb		Kg		Lb		kW		Hp		A max (Y)							
50 Hz	60 Hz	60 Hz U.S. Market	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	400V (Y)	460V (Y)	50Hz	60Hz	Temp. Class	Temp. Class	IEC type	Class temp °C
			MVE 60/3E-10A0	MVE 60/36E-10A0	MVE 160/2E-10A0	1.3	1.0	1.14	0.85	66	71	146	157	0.09	0.09	0.12			0.12	0.25	0.23	3.2
MVE 100/3E-10A0	MVE 100/36E-10A0	MVE 220/2E-10A0	2.0	1.3	1.70	1.14	98	95	216	209	0.09	0.09	0.12	0.12	0.25	0.23	3.2	3.2	T4	100	M16	80
MVE 200/3E-20A0	MVE 200/36E-20A0	MVE 440/2E-20A0	3.7	2.6	3.23	2.27	187	189	412	417	0.15	0.18	0.20	0.24	0.35	0.30	3.5	3.5	T4	100	M20	80
MVE 200/3E-23A0	MVE 200/36E-23A0	MVE 440/2E-23A0	3.7	2.6	3.23	2.27	187	189	412	417	0.15	0.18	0.20	0.24	0.35	0.30	3.5	3.5	T4	100	M20	80
MVE 300/3E-30A0	MVE 300/36E-30A0	MVE 690/2E-30A0	6.4	4.5	5.55	3.87	321	323	708	712	0.25	0.28	0.34	0.38	0.52	0.45	3.8	3.7	T4	100	M20	80
MVE 400/3E-30A0	MVE 400/36E-30A0	MVE 890/2E-30A0	8.0	5.7	6.91	4.93	407	411	897	906	0.27	0.33	0.36	0.44	0.58	0.60	3.7	3.7	T4	100	M20	80
MVE 500/3E-40A0	MVE 500/36E-40A0	MVE 1200/2E-40A0	10.3	7.4	8.91	6.41	530	534	1168	1177	0.50	0.58	0.67	0.78	0.96	0.97	4.2	4.4	T4	135	M20	120
MVE 700/3E-40A0	MVE 700/36E-40A0	MVE 1700/2E-40A0	14.9	10.6	12.93	9.18	758	765	1671	1687	0.59	0.61	0.79	0.82	1.25	1.24	4.5	5.2	T4	135	M20	120
MVE 800/3E-50A0	MVE 800/36E-50A0	MVE 1800/2E-50A0	15.7	11.1	13.61	9.60	794	800	1750	1764	0.70	0.84	0.94	1.13	1.45	1.50	4.0	4.0	T4	135	M20	120

MVE SINGLE PHASE

											ELECTRICAL FEATURES												
MODEL			WORKING MOMENT				CENTRIFUGAL FORCE				POWER				CURRENT			CAPACITOR			CLASSII DIV.2	II 2D	CABLE GLAND
50 Hz	60 Hz	60 Hz U.S. Market	kgcm		inlb		kg		lb		kW		hp		A max			μF					
			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	230V	220V	115V	220V			
MVE 60/3E-10A0-M	MVE 60/36E-10A0-M	MVE 160/2E-10A0-M	1.3	1.0	1.1	0.9	66	71	145	156	0.08	0.09	0.11	0.12	0.43	0.43	1.03	3.0	3.0	6.3	T4	100	M16 80°
MVE 100/3E-10A0-M	MVE 100/36E-10A0-M	MVE 220/2E-10A0-M	2.0	1.3	1.7	1.1	98	95	216	209	0.10	0.11	0.13	0.15	0.54	0.54	1.30	4.0	4.0	8.0			
MVE 200/3E-20A0-M	MVE 200/36E-20A0-M	MVE 440/2E-20A0-M	3.7	2.6	3.2	2.3	187	189	412	417	0.18	0.21	0.24	0.28	1.14	1.14	2.62	8.0	8.0	16.0	T4	100	M20 80°
MVE 200/3E-23A0-M	MVE 200/36E-23A0-M	MVE 440/2E-23A0-M	3.7	2.6	3.2	2.3	187	189	412	417	0.18	0.21	0.24	0.28	1.14	1.14	2.62	8.0	8.0	16.0	T4	100	
MVE 300/3E-30A0-M	MVE 300/36E-30A0-M	MVE 690/2E-30A0-M	6.4	4.5	5.5	3.9	321	323	708	712	0.27	0.28	0.36	0.38	1.58	1.58	3.43	12.5	12.5	25.0	T4	100	

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	II3D Ex tc IIIC Tx IP66
MATERIAL	Aluminium body; aluminium (powder painted) cover

ACCESSORIES

CAPACITOR	Available
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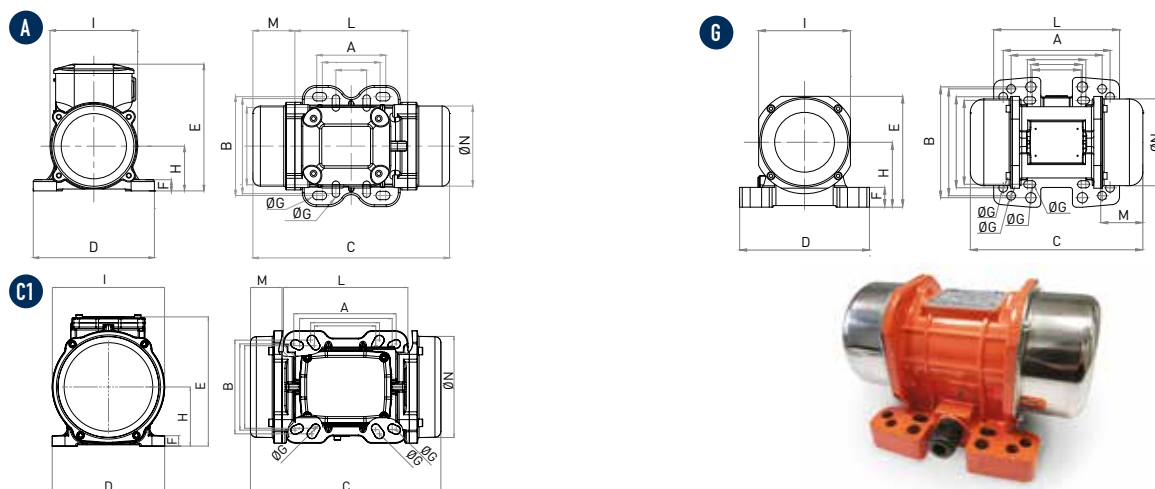
OPTIONS

ATEX	Ex II 2D Ex t IIIC Tx Db IP66 Ex tb IIIC Tx Db IP66
CUSTOMISED CABLE	Available





MVE-DC - Direct current electric vibrators



DIMENSIONAL SPECIFICATIONS

MODEL	DRAWING	SIZE	C		M		A		B		ØG		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 50/3N-10A0-12V	A	10A0	211	8.3	45	1.8	62-74	2.4-2.9	106	4.2	9	0.4	4	130	5.1	136	5.4	12	0.5	48	1.9	94	3.7	121	4.8	85	3.4	
MVE 50/3N-10A0-24V	A	10A0	211	8.3	45	1.8	33	1.3	83-102	3.3-4.0	7	0.3	4	130	5.1	136	5.4	12	0.5	48	1.9	94	3.7	121	4.8	85	3.4	
MVE 120/3N-23A0-12V	G	23A0	218	8.6	53	2.1	62-74	2.4-2.9	106	4.2	9	0.4	4	164	6.5	140	5.5	25	1.0	82	3.2	116	4.6	159	6.3	110	4.3	
MVE 120/3N-23A0-24V	G	23A0	218	8.6	53	2.1	65	2.6	140	5.5	13	0.5	4	164	6.5	140	5.5	25	1.0	82	3.2	116	4.6	159	6.3	110	4.3	
MVE 202/3N-23A0-12V	G	23A0	218	8.6	53	2.1	115	4.5	135	5.3	11	0.4	4	164	6.5	140	5.5	25	1.0	82	3.2	116	4.6	159	6.3	110	4.3	
MVE 202/3N-23A0-24V	G	23A0	218	8.6	53	2.1	135	5.3	115	4.5	11	0.4	4	164	6.5	140	5.5	25	1.0	82	3.2	116	4.6	159	6.3	110	4.3	
MVE 500/3N-40A0-24V	C1	40A0	330	13.0	78	3.1	105	4.1	140	5.5	13	0.5	4	170	6.6	196	7.7	15	0.6	92	3.6	174	6.8	174	6.9	160	6.3	
MVE 1500/3N-50A0-24V	C1	50A0	324	12.8	63	2.5	120	4.7	170	6.7	18	0.7	4	208	8.2	210	8.3	18	0.7	96	3.8	184	7.2	198	7.8	169	6.7	

ELECTRICAL SPECIFICATIONS

MODEL	RPM	WORKING MOMENT		CENTRIFUGAL FORCE		WEIGHT		POWER		MAX CURRENT	 II 3D	CABLE TYPE	CABLE GLAND
		kgcm	inlb	kg	lb	kg	lb	kW	Hp	A	Temp. Class	Class Temp	Class Temp
											[°C]		
MVE 50/3N-10A0-12V	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 50/3N-10A0-24V	3000	1.02	0.89	50	110	4.4	9.7	0.08	0.11	6.6	100	2Gx1.5 90°C	M16 80 °C
MVE 120/3N-23A0-12V	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 120/3N-23A0-24V	3000	2.14	1.86	117	258	7.2	15.9	0.11	0.15	9.6	100	2Gx1.5 90°C	M20 80 °C
MVE 202/3N-23A0-12V	3000	4.17	3.62	200	441	7.2	15.9	0.16	0.21	6.7	100	2Gx1.5 90°C	M20 80 °C
MVE 202/3N-23A0-24V	3000	4.17	3.62	200	441	7.2	15.9	0.16	0.21	13.3	100	2Gx1.5 90°C	M20 80 °C
MVE 500/3N-40A0-24V	3000	10.40	9.03	530	1168	14.4	31.7	0.26	0.35	11.0	100	2Gx1.5 90°C	M20 80 °C
MVE 1500/3N-50A0-24V	3000	22.40	19.44	1616	3563	21.8	48.1	0.52	0.70	21.5	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 3D Ex tc IIIC Tx IP 66

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

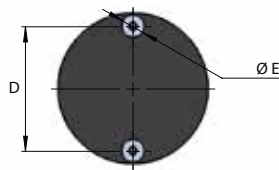
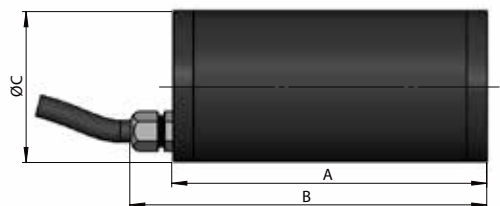
OPTIONS

CUSTOMISED CABLE Available





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	167	6.6	189	7.4	80	3.1	66	2.6	12	0.5
MVE60DC 36	167	6.6	189	7.4	80	3.1	66	2.6	12	0.5
MVE100DC 12	207	8.1	230	9.1	80	3.1	66	2.6	12	0.5
MVE100DC 24	207	8.1	230	9.1	80	3.1	66	2.6	12	0.5
MVE100DC 36	207	8.1	230	9.1	80	3.1	66	2.6	12	0.5

ELECTRICAL SPECIFICATIONS

MODEL	rpm	WORKING MOMENT		CENTRIFUGAL FORCE		WEIGHT		INPUT POWER		MAX CURRENT
		kgcm	inlb	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	4.0
MVE100DC 12	3000	1.99	1.72	100	220.5	4.8	10.6	0.11	0.15	14.0
MVE100DC 24	3000	1.99	1.72	100	220.5	4.8	10.6	0.11	0.15	7.0
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



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

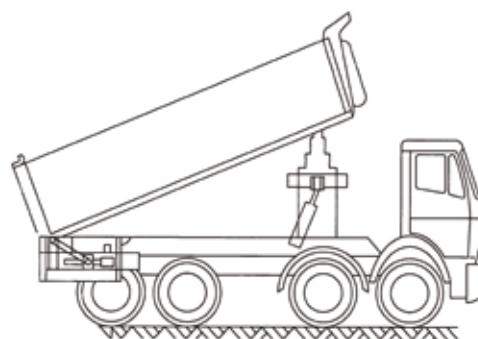
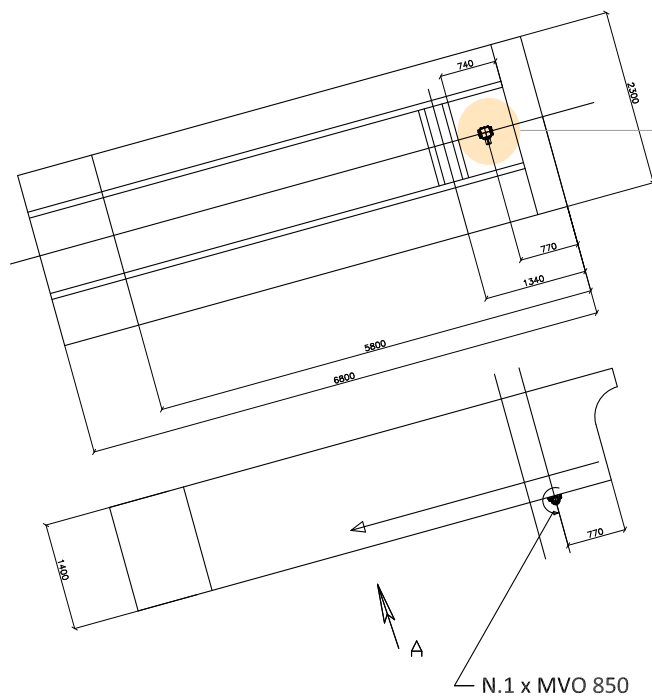
FEATURES

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

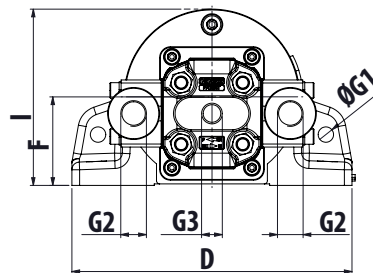
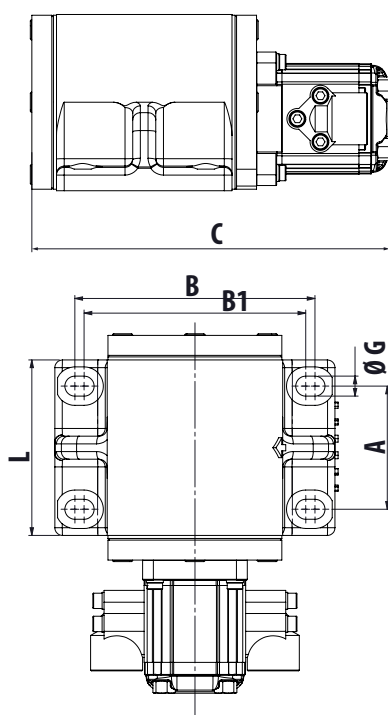
Robust
Safe
Easy to install
Compact design
High Force

APPLICATIONS





MVO - Hydraulic vibrators



DIMENSIONAL SPECIFICATIONS

A		B		B1		C		D		L		F		G		G1		G2	G3	I		Weight	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	BSPP	BSPP	mm	in	kg	lb
80	3.15	156	6.14	144	5.67	232.5	9.20	182	7.16	114.5	4.50	57.5	2.30	13	0.50	10	0.40	3.8"	1/4"	114.5	4.50	11	24

MECHANICAL FEATURES

MODEL	CENTRIFUGAL FORCE				WORKING MOMENT		STATIC MOMENT		OPERATING PRESS.		MAX PRESSURE	
	3000 rpm		6000 rpm		kgcm	inlb	kgcm	inlb	bar	3000 rpm	bar	6000 rpm
	kg	lb	kg	lb								
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	
3000	208	459	1,375.922
6000	830	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 80 dB(a)

MOTOR TYPE XV-1M/3.2

TECHNOLOGY Hydraulic rotary vibrator

MATERIAL Grey cast iron body (RAL 2004 powder painted)



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