

MVE-SV "screen vibrators"



EX-STOCK DELIVERY

2 YEAR WARRANTY

SIZE 75A0 & 75D0
100% INTERCHANGEABLE
TO DERRICK® SCREEN
VIBRATORS FOOTPRINTS*



NO CROSSBEAM

Designed to be installed on vibrating screens and feeders without any support crossbeam



DIRECT VIBRATION

Designed to exert its centrifugal force much closer to the screen walls than traditional foot mounted electric vibrators fitted on a support crossbeam



ADJUSTABLE CF

Available with both adjustable or fixed masses

* Derrick® is a registered trademark of Derrick Corporation, Buffalo, New York. There is no affiliation between Derrick Corporation and OLI Vibrator.



**VIBRATORS FOR
QUARRY & MINING,
OIL & GAS**





SV – RANGE OVERVIEW



4 POLES EXPLOSION PROOF – 1500/1800 rpm

Ex II 2G: Temp. Class **T4**

Class I Div.1: Temp. Class **T4**

Ex II 2D Temp. Class: **135 °C**

* Terminal Connections: **Y** High Voltage

							ELECTRICAL SPECIFICATIONS							CERTIFICATE	
Unbalance (inlb)		Model For U.S. Market	Centrifugal Force (lb)		Weight (lb)		Input Power (Hp)		Standard Nominal Current		* Terminal Connections	Ia / In (Ampere)		Cable Gland	
50Hz	60Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz (400V)	60Hz (460V)		50Hz	60Hz		
121	84	MVE 7700/4D-SV-75A0	7,716	7,721	396.8	374.8	2.9	3.5	4.3	4.3	Y	6.5	6.5	3/4" NPT 110°C	●
121	84	MVE 7700/4D-SV-75D0	7,716	7,721	396.8	374.8	2.9	3.5	4.3	4.3	Y	6.5	6.5	3/4" NPT 110°C	●
181	127	MVE 11500/4D-SV-80A0	11,552	11,647	465.2	440.9	3.3	4.0	5.5	5.2	Y	7.1	7.0	3/4" NPT 110°C	●
269	188	MVE 17100/4D-SV-85A0	17,174	17,308	617.3	573.2	4.3	5.1	6.3	6.3	Y	7.1	7.0	3/4" NPT 110°C	●

DIMENSIONAL SPECIFICATIONS (inches)																			
Model For U.S. Market	Drawing	Size	C	M	A	A1	B	Ø G	Holes	D	E	F	H	I	L	L1	L2	L3	N
60Hz																			
MVE 7700/4D-SV-75A0	A	75A0	42.52	7.07	37.76	-	9.02	1.14	4	11.22	12.46	2.36	5.39	12.68	32.68	-	-	-	11.00
MVE 7700/4D-SV-75D0	A	75D0	42.52	7.07	37.76	-	9.50	0.79	4	11.22	12.46	2.36	5.39	12.68	32.68	-	-	-	11.00
MVE 11500/4D-SV-80A0	B	80A0	43.94	6.69	37.76	-	9.02	1.14	4	11.22	13.82	1.89	6.14	13.11	33.23	-	-	-	12.44
MVE 17100/4D-SV-85A0	C	85A0	55.57	/	31.20	49.92	11.02	0.87	8	12.99	16.02	2.24	7.09	14.17	27.84	34.55	46.52	53.27	13.58

NOTE: The Model name in the standard range is different: the letter "D" changes in "N".

4 POLES STANDARD RANGE – 1500/1800 rpm



The MVE-SV is available also as "standard" range, with Ex II 3D certification: Ex II 3D Temp. Class: **135 °C**

Electrical and dimensional specifications are the same as the "explosion proof" range.



- » II 3D Ex tc IIIC Tx IP66
- » Equipment and protective system intended for use in potentially explosive atmospheres (Zone 22) - Directive 2014/34/UE
- » Compliance with Essential Health and Safety Requirements
- » EN 60079-0, EN 60079-31



- » Declaration of conformity "type B" according to: 2014/35/UE - 2006/42/EC - EN 60034-1
- » Conform to UL1446 and CSA 22.2 No 0-10



FEATURES

The SV electric motorvibrator works like any other foot mounted electric model, providing vibrations to the vibrating machine on which it is installed. Two parallel SV are needed to provide **linear motion** to the vibrating machine while just one is necessary to provide **circular motion**.

The **SV do not need any crossbeam to be installed** because the body works as a crossbeam itself.

The SV size 75A0 and 75D0 are designed to retrofit existing vibrating machines using motorvibrator made by **Derrick® Screen Vibrators**. Thanks to its versatility, the SV range can also be used in many other applications:

QUARRY & MINING

- Wet and dry solids separation (eg "Stack Sizer" by Derrick®)
- Screening (eg "High speed screens" by Derrick®)

OIL & GAS

- Drilling fluids recovery systems (eg "Hyperpool" shale shakers by Derrick®)

ADVANTAGES OF SV RANGE

- OLI SV size 75A0 and 75D0 match both the Derrick®'s long vibrator footprints
- First class bearings
- Long bearing life
- Easy mass adjustment positions
- Greased for life, 100% maintenance free

APPLICATION ADVANTAGES

- The centrifugal force is provided directly on the screen walls, improving screening efficiency and screening mesh life span
- In OLI SV it is possible to adjust the centrifugal force using pre-drilled holes on the adjustable mass
- SV comes with a standard factory preset star connection for high voltage inside the terminal box
- OLI SV can also be operated at low voltage by simply changing the position of the connection plates inside the terminal box, switching from Star to Delta connection.
- SV can be supplied on request with multiple voltages suitable to be used in various countries all over the world

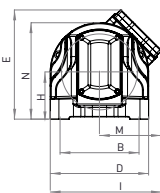
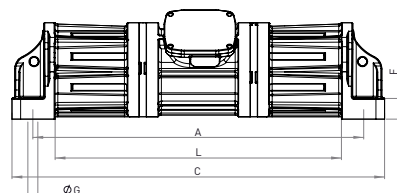
SV Size 75A0



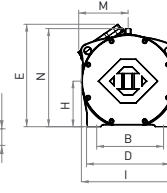
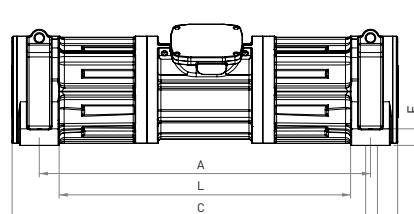
SV Size 85A0



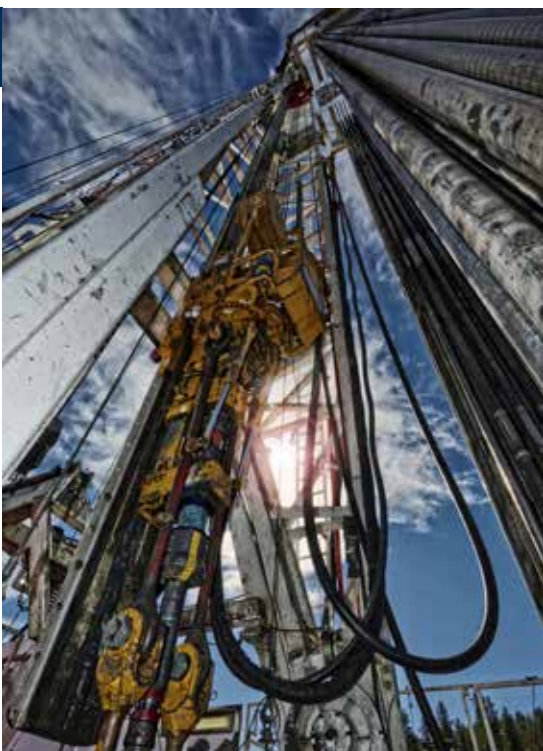
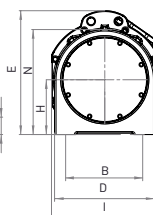
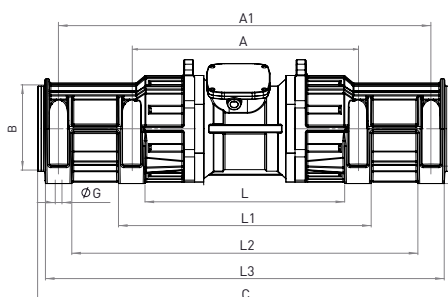
M



N



O



MVE-SV SCREEN VIBRATOR

APPLICATION Vibrating screens, shale shakers, feeders/conveyors and dewatering screens for quarry, mining, recycling and other sectors

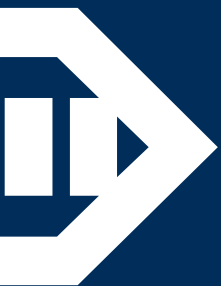
PROBLEM SOLVING SV acts as a structural part of the machine: it eliminates the crossbeam usually needed to support standard vibrating motors. The centrifugal force is applied directly on the screen walls avoiding energy dissipation

FEATURES

INPUT VOLTAGE	220-240/380-415V, 290-300/500-525V (50Hz); 330/575V, 220-277/380-480V, 230/460V (60Hz)
AMBIENT TEMPERATURE	-20 °C / +40 °C as standard, -20 °C / +55 °C on requestSV SIZE 85A0
ENCLOSURE PROTECTION	IP 66
THERMAL PROTECTION	Thermistor PTC 130 °C included
INSULATION CLASS	F

OPTIONS

2 and 6 poles available on request



WHEN YOU NEED IT, WHERE YOU NEED IT

THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY



OLI WORLDWIDE

OLI Australia
OLI Brazil
OLI China
OLI France
OLI Germany
OLI India
OLI Indonesia
OLI Italy

OLI Korea
OLI Malaysia
OLI Malta
OLI Mexico
OLI Middle East
OLI Nordic
OLI Poland
OLI Russia

OLI South Africa
OLI Spain
OLI Thailand
OLI Turkey
OLI UK
OLI USA
OLI Vietnam



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