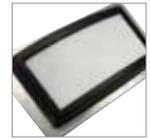


FLOW AIDS



OLI

WHY 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**.





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.

WHERE 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

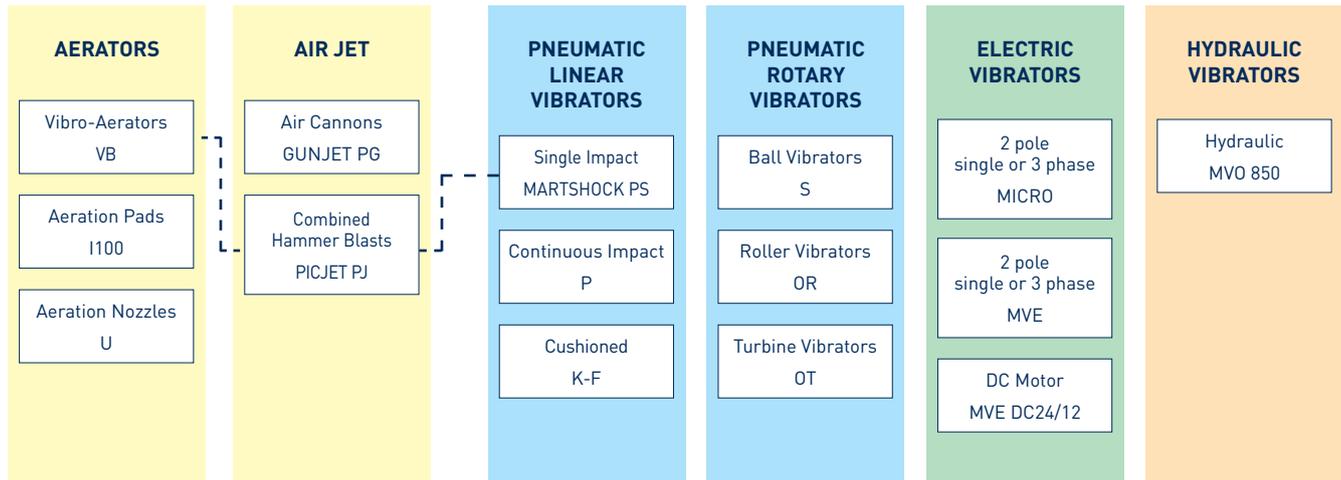


INTERNAL APPLICATION

(IN CONTACT WITH MATERIAL)

EXTERNAL APPLICATION

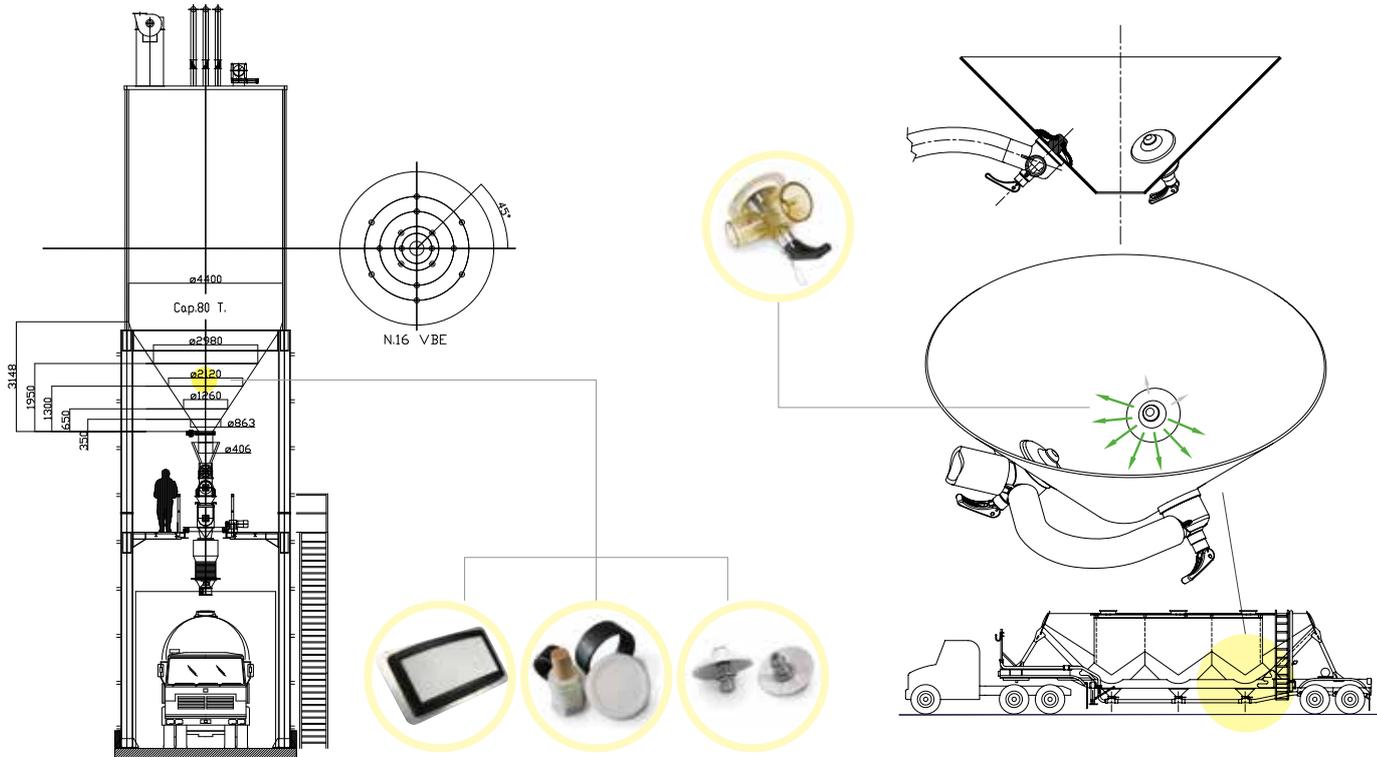
(NOT IN CONTACT WITH MATERIAL)



AERATORS

	PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
	<p>BIN AERATORS VB</p>	<p>Silos Hoppers Pipes Dry bulk tank trailers Dry bulk rail tankers</p>	<p>Dry, fine powders Cement Lime Pigments Plastics Starch Flour Sugar Coffee</p>	<p>Compatible with Foods and Chemicals</p>	<ul style="list-style-type: none"> • Economical • Easy to install • Efficient • Durable • Available in two sizes (MICRO or standard) • External mounting
	<p>AERATION PADS I100</p>	<p>Silos Hoppers</p>	<p>Suitable for cement, lime</p>	<p>Low air consumption (0.2 bar pressure) Create fluid bed</p>	<ul style="list-style-type: none"> • Economical • Easy to install • External mounting kit
	<p>AERATION NOZZLES U</p>	<p>Silos Hoppers</p>	<p>Suitable for cement, lime</p>	<p>Low air consumption (0.2-1 bar pressure) Create fluid bed</p>	<ul style="list-style-type: none"> • Economical • Easy to install • Compact design • Suitable for retrofitting

APPLICATIONS



PRODUCT
SERIES

APPLICATION

POWDER

FEATURES

BENEFITS



AIR BLASTS
GUNJET PG

Silos
Hoppers

Powders of large particle size and irregular shape.
Fibrous powders and flakes.

Wood fibres
Textile fibres
Paper
Plastics
Bran

Compact design with integrated solenoid valve

The air blade generated by the high pressure jet helps to clean the hopper surface

- 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

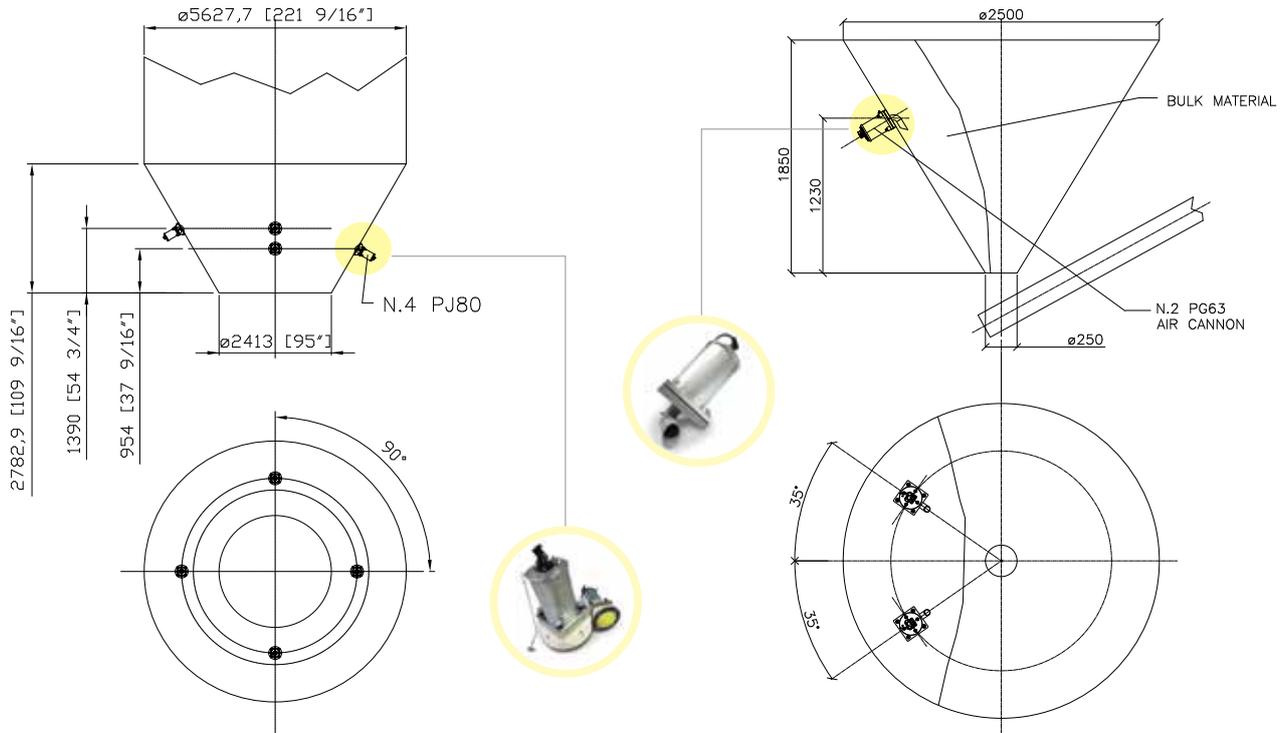
Cement
Ashes
Vegetable meals
Fertilizers
Detergents
Pigments
Clay
Oxides

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

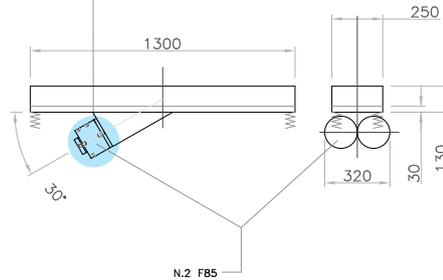
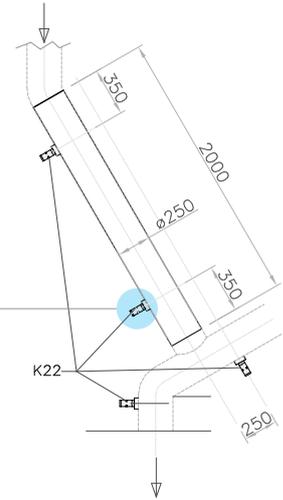
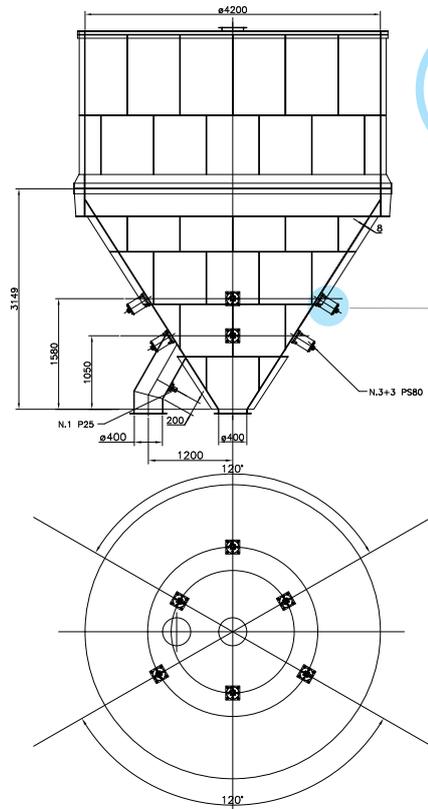


LINEAR PNEUMATIC VIBRATORS

PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS	
	<p>SINGLE IMPACT MARTSHOCK PS</p>	<p>Silos Storage systems Hoppers</p>	<p>Hygroscopic powders Flour Detergents Phosphates Fertilizers Lime Cement Clay Pigments</p>	<p>High impact strength solves bridging or ratholing problems Also available as pneumatic only and Atex II3D T85 °C</p>	<ul style="list-style-type: none"> • Economical • Low air consumption • Efficient • Zero impact on silo structure • Multi-voltage • Integrated solenoid valve • Timer
	<p>CONTINUOUS IMPACT P</p>	<p>Silos Hoppers Piping Salt spreaders Dump trucks Rail cars</p>	<p>Hygroscopic, humid powders Sludge Aggregates Sand Salt Foundry sand Animal feed</p>	<p>Sturdy, compact heavy-duty design, high temperature applications Atex II2GD T200 °C</p>	<ul style="list-style-type: none"> • Economical • Low air consumption • Efficient • Suitable for high temperature and outdoor applications
	<p>CUSHIONED K</p>	<p>Silos Hoppers Piping Tanks Compacting Vibrating feeders, tables and channels</p>	<p>Hygroscopic or dusty powders; granules Animal feed Aggregates Plastics Foods</p>	<p>Suitable for food or chemical applications Suitable for dusty environments Atex II2GD T135°C</p>	<ul style="list-style-type: none"> • Economical • Silent • Low air consumption • Easy to install
	<p>ADJUSTABLE CUSHIONED F</p>	<p>Hoppers Chutes Vibrating feeders, tables and channels</p>	<p>Hygroscopic or dusty powders; granules</p>	<p>Alternative option to K series Modern, compact design Available in different shapes and casing materials Threaded shaft for amplitude and force adjustment Atex II2GD T210°C</p>	<ul style="list-style-type: none"> • Economical • Silent • Low air consumption • Easy to install • Adjustable force and vibration frequency



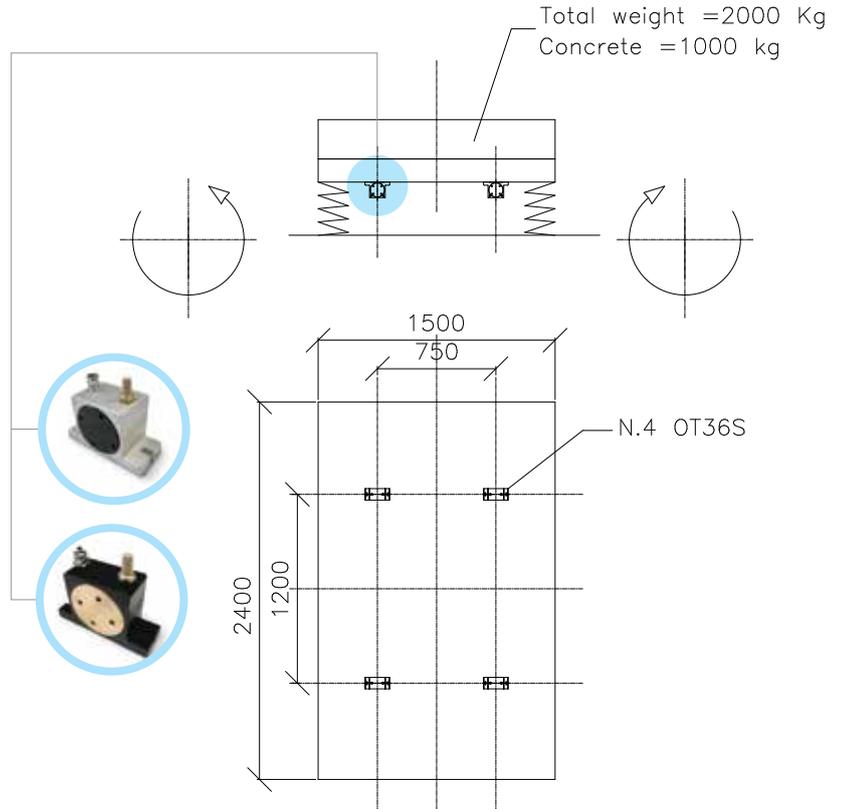
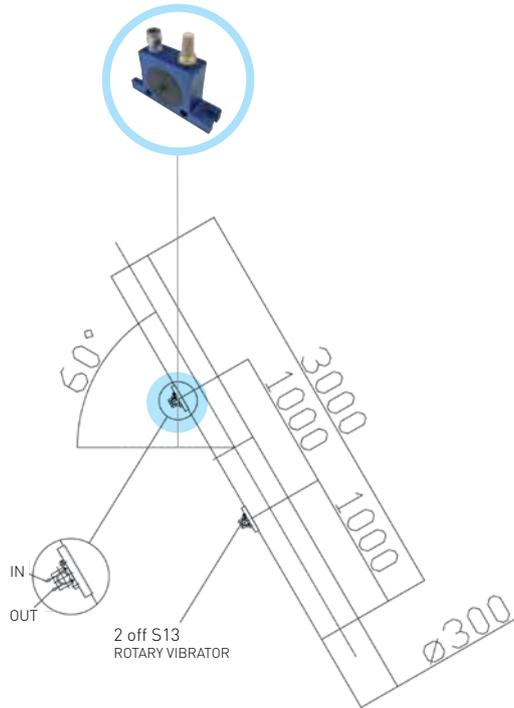
APPLICATIONS



ROTARY PNEUMATIC VIBRATORS

PRODUCT SERIES	APPLICATION	POWDER	FEATURES	BENEFITS
 <p>BALL VIBRATORS S</p>	<p>Silos Hoppers Piping Chutes Compacting</p>	<p>Dry powders granules Plastics Sand Ashes Cement Lime</p>	<p>Filter sleeve cleaning Suitable for outdoor use Resistant to oxidation Atex II2GD T210°C</p>	<ul style="list-style-type: none"> • Economical • Low air consumption • High frequency vibration
 <p>ROLLER VIBRATORS OR</p>	<p>Silos Hoppers Piping Chutes Concrete compaction</p>	<p>Hygroscopic powders Cement Concrete Sand Foundry sand</p>	<p>Compact and robust design Suitable for outdoor use Resistant to oxidation Atex II2GD T210°C</p>	<ul style="list-style-type: none"> • High centrifugal force • Low air consumption • High frequency vibration • Suitable for high temperature
 <p>TURBINE VIBRATORS OT</p>	<p>Silos Hoppers Piping Chutes</p>	<p>Food powders Sugar Bicarbonate Phosphate Sodium</p>	<p>Suitable for food and pharmaceutical applications Resistant to oxidatio Atex II2GD T125°C</p>	<ul style="list-style-type: none"> • High performance • Silent • Low air consumption

APPLICATIONS



ELECTRIC VIBRATORS



2 POLE SINGLE
or 3 PHASE
MICRO

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

Fine, dry powders
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 POLE SINGLE
or 3 PHASE
MVE

Silos
Hoppers
Dispensers
Agitators
Mixers
Filter cleaning
Vibrating feeders
and tables

Fine, dry powders and
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



DC MOTOR
MVE DC

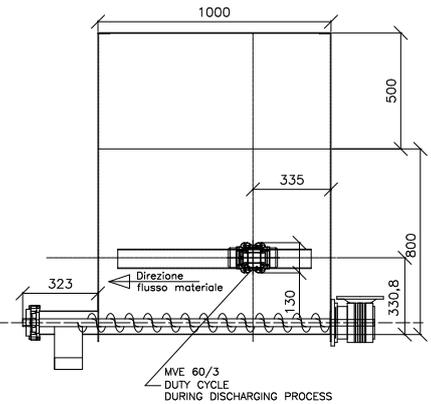
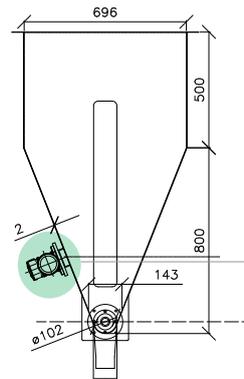
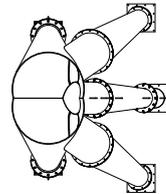
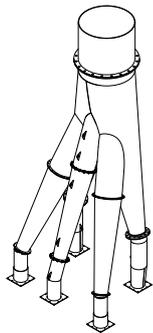
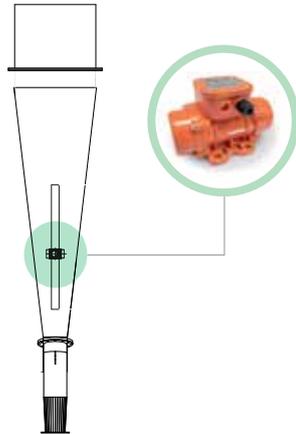
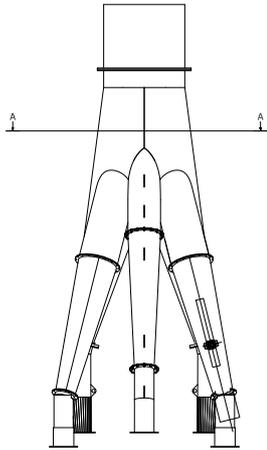
Automotive
Hoppers
Salt and manure
spreaders
Dump trucks
Concrete pump
grids

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 Watt
Resistant to oxidation

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

APPLICATIONS



HYDRAULIC VIBRATORS



HYDRAULIC
VIBRATOR
MVO 850

PRODUCT
SERIES

APPLICATION

POWDER

FEATURES

BENEFITS

Dump trucks
Agricultural equipment
Digging buckets
Pipeline padder
equipment
Construction equipment

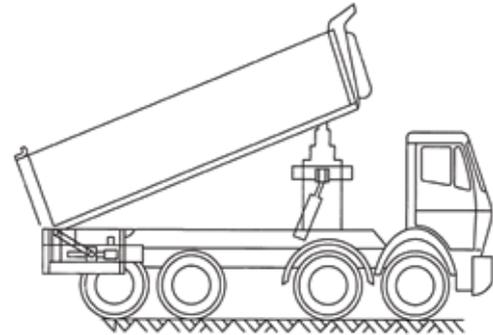
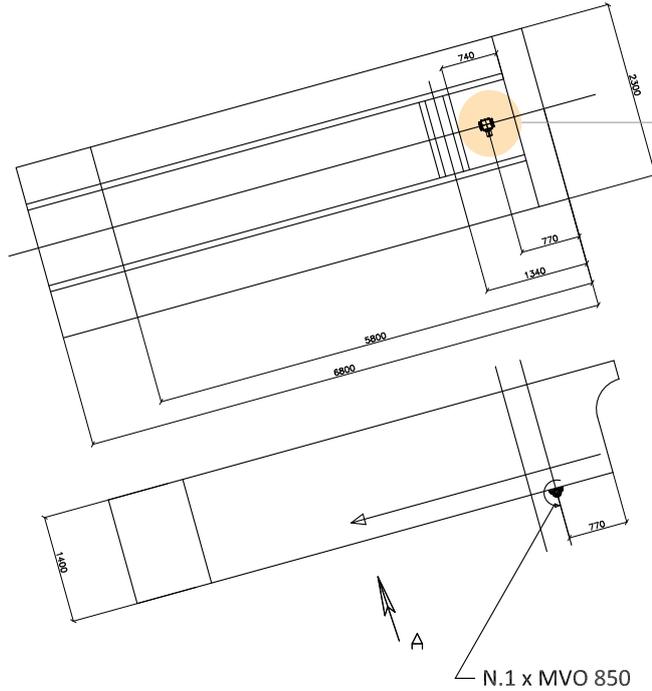
Hygroscopic
Wet, sticky and granular
Clay
Fertilizer
Manure
Sludge
Aggregates

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

- Robust
- Safe
- Easy to install
- Compact design
- High Force

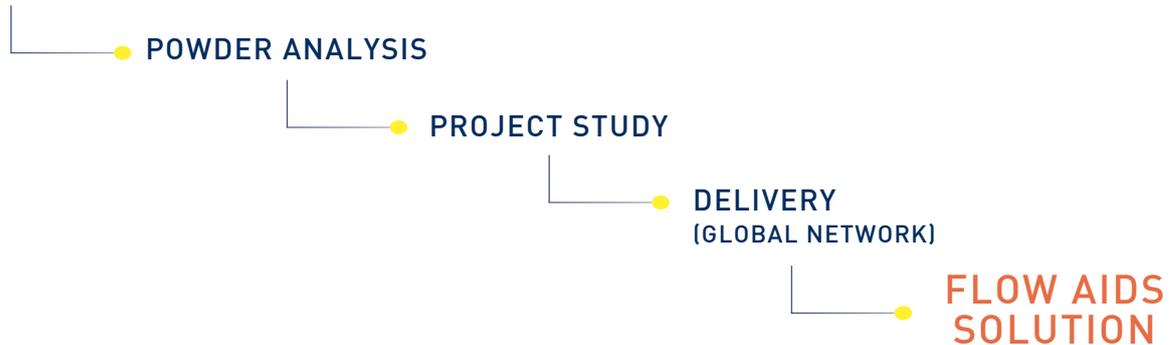


APPLICATIONS



OLI GUIDES YOU TO THE RIGHT CHOICE

CUSTOMER
PROBLEM



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
- Multilanguage platform



WHEN YOU NEED IT, WHERE YOU NEED IT

THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY

WWW.OLIVIBRA.COM



OLI Headquarters

VIA CANALAZZO, 35
41036 MEDOLLA (MO) - ITALY

+39 0535 41 06 11

+39 0535 41 06 50

INFO@OLIVIBRA.COM



OLI WORLDWIDE SUBSIDIARIES

OLI Australia
OLI Benelux
OLI Brazil
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OLI France
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