

VBS Bin Aerators

One-Way air fluidizer for dry, fine, granular powders



POWERED BY TRAMONTANA™ DISK FLUIDIZER (PATENT PENDING)

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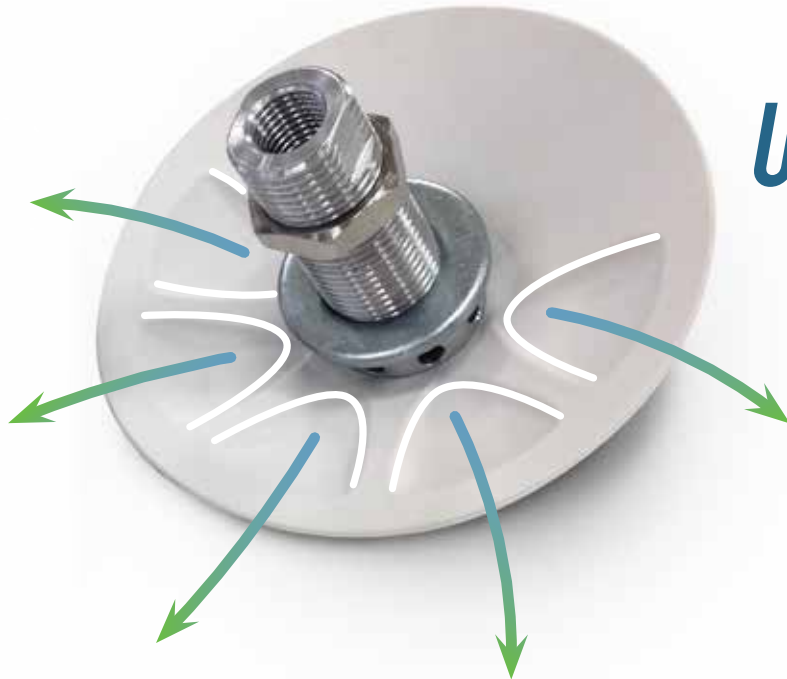
FILQUIP Pty Limited

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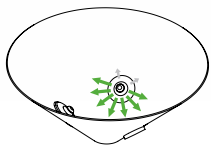
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**UNIQUE
ONE-WAY
DIRECTIONAL
AIR FLOW**



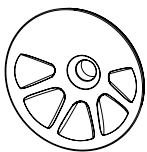
**New and innovative design
improves productivity**

Designed to maximize system
efficiency: the fastest loadout speed



Food & Pharmaceutical Grade

Made with FDA
approved components



TRAMONTANA™ Disk Fluidizer

One-way directional air flow
boosts powder discharge

**AERATORS FOR
SILOS, HOPPERS, PIPES**



OLI





Features

NEW, INNOVATIVE, REVOLUTIONARY: TRAMONTANA™ DISK FLUIDIZER

The VBS is designed to maximize unloading efficiency: the TRAMONTANA™ disk fluidizer (patent pending) boosts powder discharge speed thanks to its unique shape.

**NO COMPROMISE.
CHOOSE THE BEST
TECHNOLOGY.**

VBS - BIN AERATORS

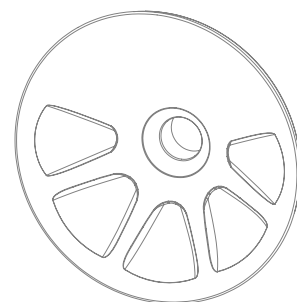
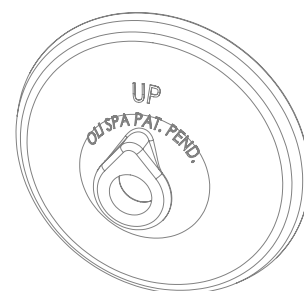
| | |
|-----------------|-----------------------|
| APPLICATION | Silos, hoppers, pipes |
| POWDER | Dry, fine, granular |
| PROBLEM SOLVING | Bridge and rat-holing |

FEATURES

| | |
|--------------------|---|
| DUTY CYCLE | Continuous or discontinuous |
| WORKING PRESSURE | From 0.8 bar to 6 bar (12 psi to 87 psi) recommended 4 bar (58 psi) MICRO VBS 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 [VBE] |

OPTIONS

| | |
|-----------------------|-----------------------------------|
| EXTERNAL MOUNTING KIT | Stainless steel rectangular plate |
|-----------------------|-----------------------------------|



VBS Complete range

| PRODUCT * | PICTURE | MEMBRANE COLOUR | STEM MATERIAL | MEMBRANE DIAMETER | |
|-----------|---------|-----------------|-----------------|-------------------|-----|
| | | | | mm | in |
| VBS | A | White | Aluminium | 104 | 4 |
| VBSI | A | White | Stainless steel | 104 | 4 |
| VBSIHT | A | Red | Stainless steel | 104 | 4 |
| VBSIMD | A | Blue | Stainless steel | 104 | 4 |
| VBSM | B | White | Aluminium | 54 | 2.1 |
| VBSMI | B | White | Stainless steel | 54 | 2.1 |
| VBSMIHT | B | Red | Stainless steel | 54 | 2.1 |
| VBSMIMD | B | Blue | Stainless steel | 54 | 2.1 |
| VBSE | C | White | Nylon | 104 | 4 |
| VBSEM | D | White | Nylon | 54 | 2.1 |



* VBS=OLI Aerator VBSM=OLI Micro Aerator I=Stainless Steel HT=High Temperature MD=Metal Detectable E= External Mounting

Comparison chart – OLI vs. competitors



DURABILITY

COMPETITORS

OLI

Durable disk

Acceptable

Higher durability due to thicker profile in high wear areas

Max. temperature

170°C (340°F)

170°C (340°F)
Red colour only: 235°C (455°F)



EFFICIENCY

Enhanced air fluidizer

No

TRAMONTANA™ disk: the Venturi style disk cavity of the VBS boosts air flow in the direction of the discharge reducing load-out time and air consumption

Loadout speed*

Good

25% faster than closest competitor



DESIGN

Smooth disk outer wall

No

Smooth disk outer wall to avoid material sticking to its surface, thus increasing product flow

Food-grade

Option

Option

Metal detectable disk

Option

Standard

Interchangeability

-

Yes

External mounting

Option

Option - available also for mini series

* Based on testing conducted by WAMGROUP and field test.

Competitors' data are the ones commercially available on the market. We do not take any responsibility regarding the accuracy of the above data.

**CUT YOUR
DISCHARGE
TIME. NOW.**

External mounting kit



MATERIAL Stainless steel rectangular plate

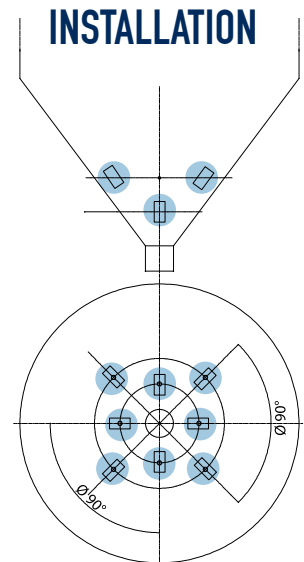
PROBLEM SOLVING Great for applications where internal silo access is difficult or impossible

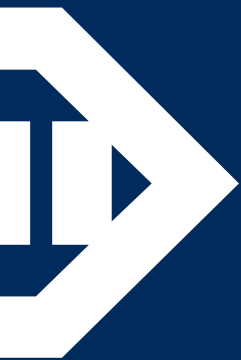
SIZE 120 x 192.5 mm [4.72" x 7.58"]

CUT OUT SIZE 67 x 162.5 mm [2.64" x 6.40"]



INSTALLATION








WHEN YOU NEED IT, WHERE YOU NEED IT

THE WORLDWIDE LEADER IN VIBRATION TECHNOLOGY



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WORLDWIDE SUBSIDIARIES

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