

# VIBRATORY DISCHARGER

[www.technolinks.co.nz](http://www.technolinks.co.nz)



Customised Powder Handling Solutions

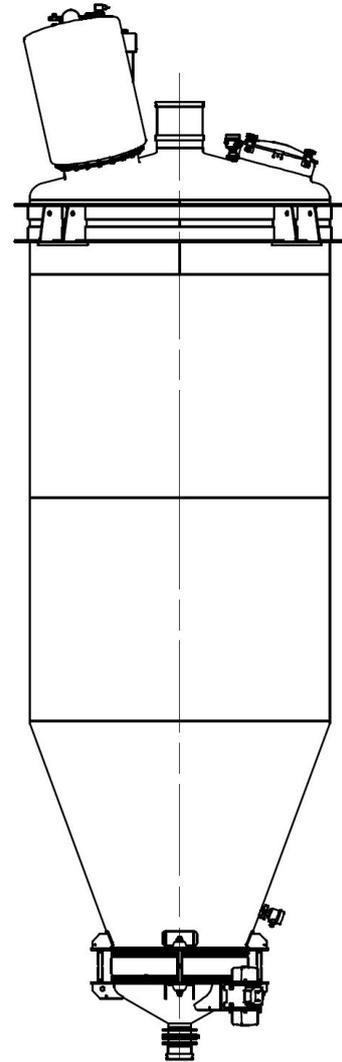
## Description

The **Techno Links** Vibratory Discharger has been designed with flow in mind. It achieves maximum operating efficiency while eliminating bridging and outlet blocking of difficult to handle materials.

The **Techno Links** Vibratory Discharger provides a simple and low maintenance method of controlling silo outlet flows. It can be retro-fitted to an existing silo installation with a minimum amount of modification or can readily be fitted to new silos.

The discharger consists of an inner cone supported from the external cone walls. This internal cone has a diameter slightly less than that of the outer cone and serves the purpose of removing the weight of the bulk solid above the outlet. Material flows around the outside edge of the inner cone with the aid of vibration. Material below the inner cone is vibrated to the outlet of the outer cone.

The complete structure is supported from the silo by vibration isolating hanger brackets in such a way as to ensure a small gap is maintained between the silo outlet and the discharger inlet. A flexible sleeve is used to connect the silo outlet and discharger inlet. The externally mounted vibratory motor vibrates the entire unit.



## Features



- ◆ Full Stainless Steel construction to NZ Dairy standard.
- ◆ Designed to meet ATEX requirements.
- ◆ Maximises flow while preventing bridging.
- ◆ Simple low maintenance design.
- ◆ Can be retro-fitted to existing silos.
- ◆ Available in a range of sizes to suit flow rate required.
- ◆ Complete in-house design allows unit customisation to suit specialty applications if required.

# VIBRATORY DISCHARGER



Customised Powder Handling Solutions

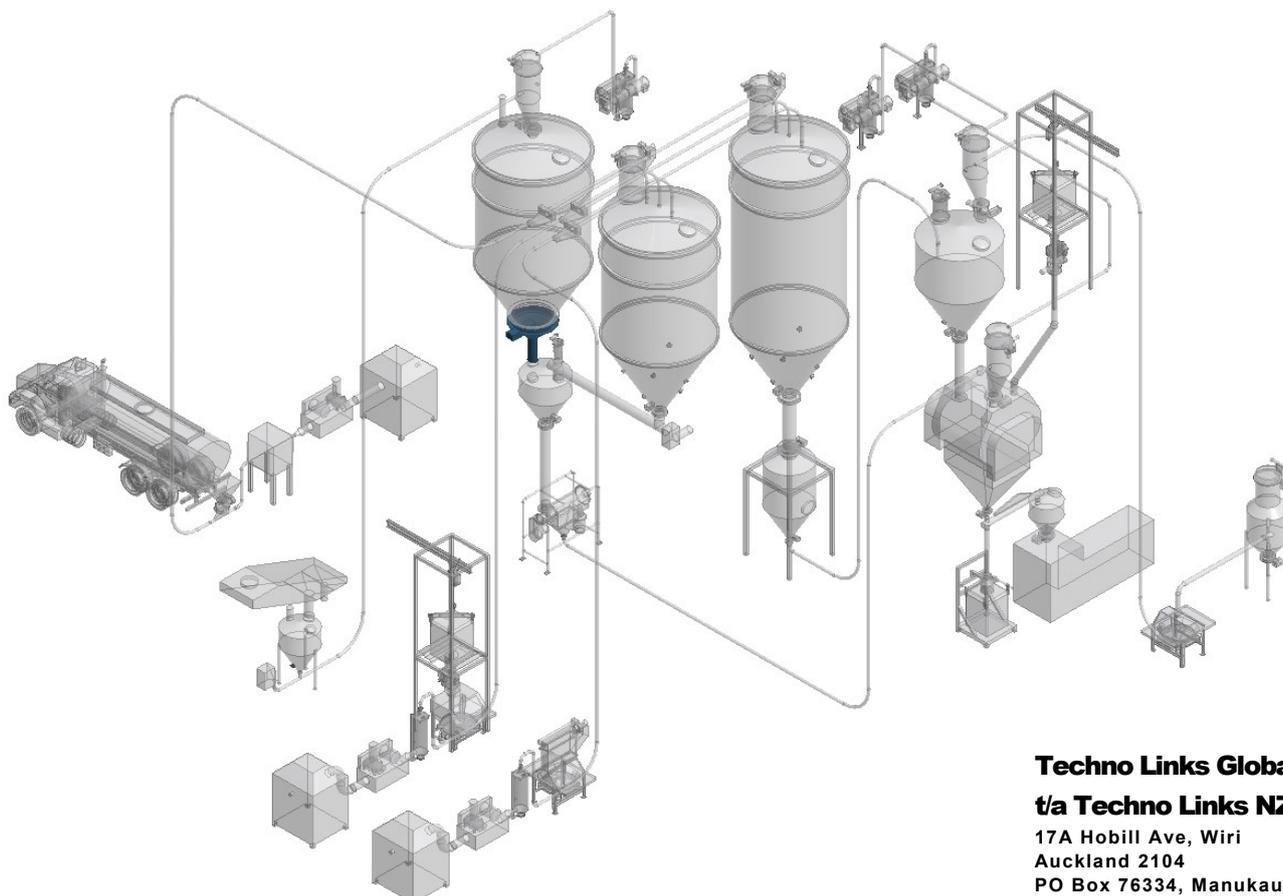
## Available Accessories / Additional Systems

- ◆ Discharge Rotary Valves.
- ◆ Complete Pressure or Vacuum Conveying Systems.
- ◆ Vacuum Pumps or Blower Units.
- ◆ Receiving Storage Bins/Silos, Weigh Hoppers and Surge hoppers.
- ◆ Inline Metal Detection and Reject System.
- ◆ Downstream Rotary or Vibrating Screen Sifters.
- ◆ Units can be customised to suit client specifications, including specialised construction materials and surface finishes.

## Application and Typical Technical Features

Vibratory Discharger	Mounted Height (mm)	Body Diameter (mm)	Outlet Diameter (mm)	Weight (no Outlet Valve or Actuator) (kg)
900	420	900	150	130
1200		1200		
1500		1500		
1800		1800		
2000		2000		
2400		2400		

All technical details are subject to confirmation during detailed design and to suit application.



System Schematic showing a typical Vibratory Discharger location

**Techno Links Global**  
**t/a Techno Links NZ Ltd**  
17A Hobill Ave, Wiri  
Auckland 2104  
PO Box 76334, Manukau  
Auckland 2241  
NEW ZEALAND