

# FLUIDISER

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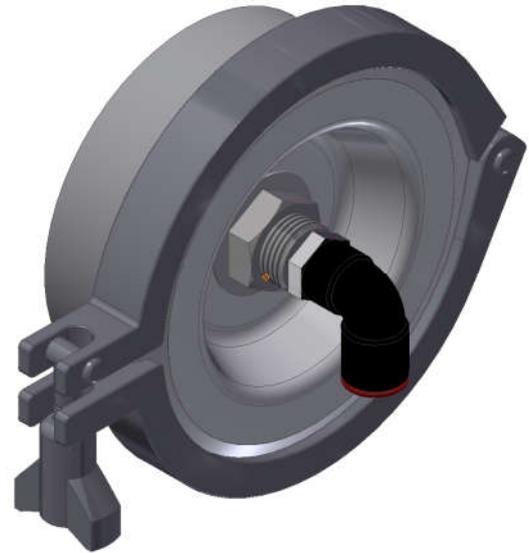
Customised Powder Handling Solutions

## Description

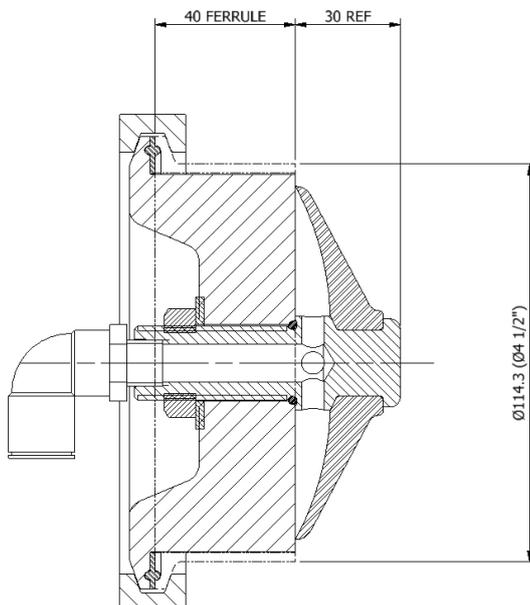
Powder fluidity is what keeps product in motion, whether it's through a pipe line or out of a hopper or vessel. Lose too much air from within the powder in a vessel and it can compact; your product may now bridge or block when it's time to discharge.

**Techno Links** Fluidisers maintain the fluidity of product during the various stages of powder transport. Typically mounted in the lower cone section of a vessel, a Fluidiser provides a hygienic means to inject sanitary compressed air into the product. Fluidiser solenoids are controlled by the SCADA system, allowing precise control of the duration and frequency of pulses. A Fluidiser allows air to both permeate through the product and also to fan out across the internal surface of the vessel. This air flow across the surface helps alleviate product gripping on the vessel wall, assisting with discharge times and preventing product build-up internally.

A **Techno Links** Fluidiser is a demountable, easy to clean unit. Utilising a 4" tri-clamp ferrule, gasket and clamp the Fluidiser can be easily removed for cleaning at the end of a campaign - perfect when multiple products are run through one system and cross contamination needs to be kept to a minimum. mUsing off the shelf tri-clamp unions helps keep manufacturing costs down and ensures spare parts are readily available.



Fluidiser assembly



## Features

- ◆ Excellent air flow and product aeration.
- ◆ Minimal product degradation.
- ◆ Sanitary Design to NZ Dairy standard.
- ◆ Air pulses controlled by SCADA .
- ◆ Easily demountable for cleaning and maintenance, minimising downtime.
- ◆ Utilises off the shelf tri-clamp components.
- ◆ Capable of being mounted anywhere a 4" tri-clamp ferrule can be welded.
- ◆ Easily retrofitted into existing vessels.
- ◆ Complete in-house design allows total unit customisation to suit specialty applications if required.

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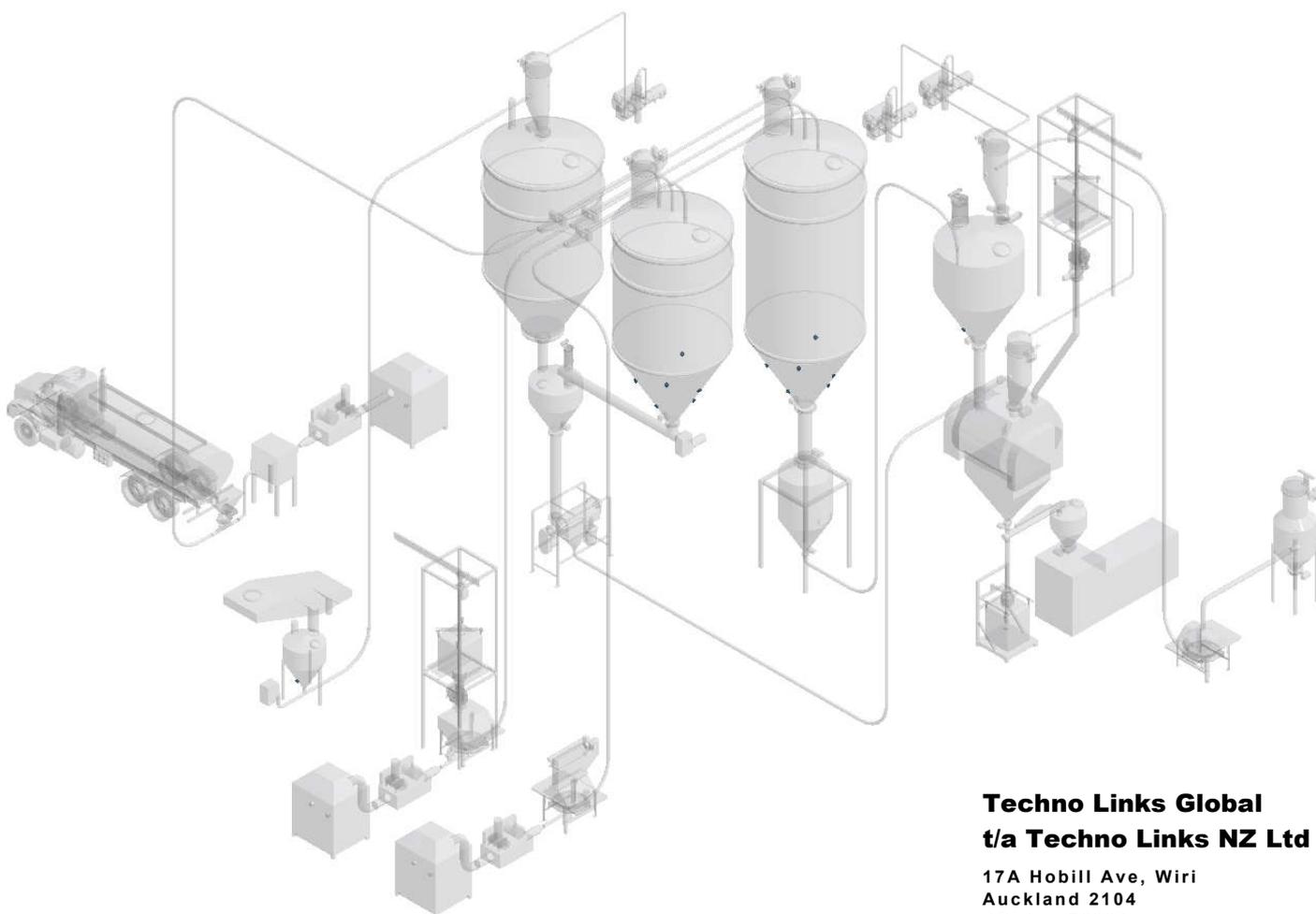
## Available Accessories & Additional Systems

- ◆ Receiving Storage Bins/Silos.
- ◆ Weigh Hoppers and Surge Hoppers.
- ◆ Product Line Air Injection Systems.
- ◆ Metering Valves and Rotary Magnets.
- ◆ 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

Fluidiser	Ferrule diameter (mm)	Ferrule length (mm)	Overall length (mm)	Weight (kg)	Instantaneous air consumption (m <sup>3</sup> /h @ 1.5 barg)
4"	Ø114.3	40	80	1.5	25

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



System Schematic showing typical Fluidiser locations

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