

DEHUMIDIFIER & AFTERCOOLER

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Customised Powder Handling Solutions

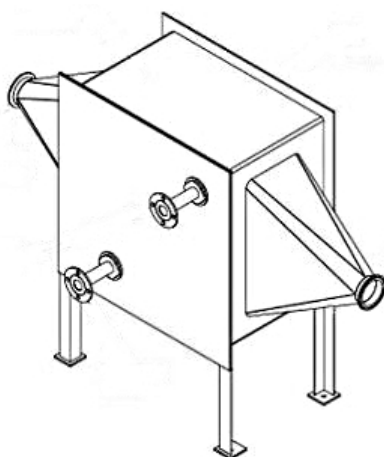
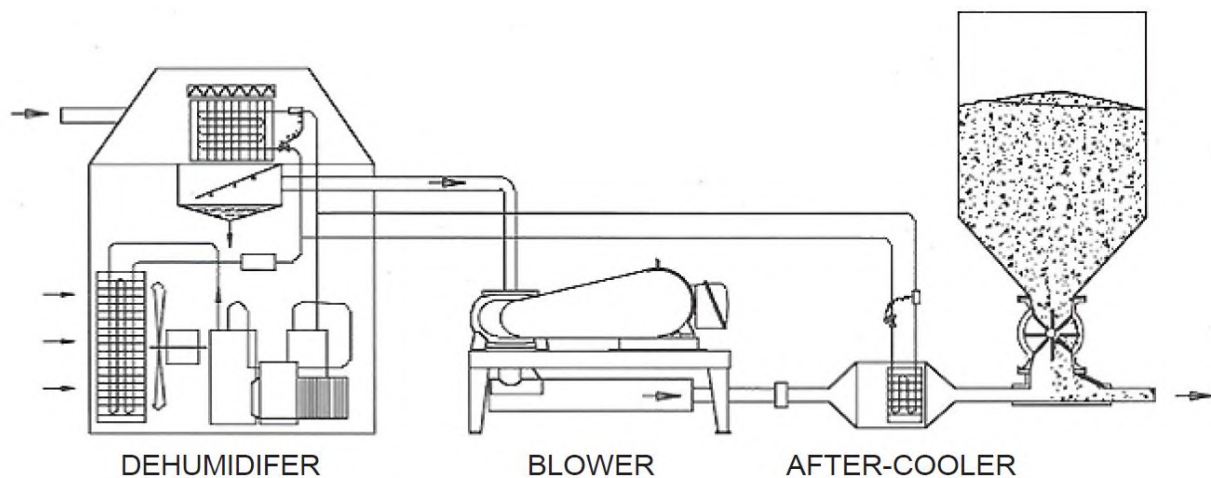
Description

Pneumatic conveying systems are a tried and true method of conveying a diverse range of materials. With a constant demand for greater quality control, all aspects of the conveying processes must be taken into consideration to optimise conveying and maintain product integrity. The temperature and moisture content of product contact air can have a significant effect on the conveying and storage processes. The ability to control these parameters will improve the overall performance and minimise the risk of product degradation.

Techno Links can integrate dehumidifiers and aftercoolers into pneumatic conveying systems as well as other process applications to control both product temperature and moisture content.



Dehumidifier



Aftercooler

Features

- ◆ Full stainless steel construction design to NZ Dairy standard.
- ◆ Self-contained unit minimises space constraints.
- ◆ Unit comes prewired and set ready for site installation.
- ◆ Easy access to coils for maintenance and inspection.
- ◆ Complete in-house design allows unit customisation to suit specialty applications if required.

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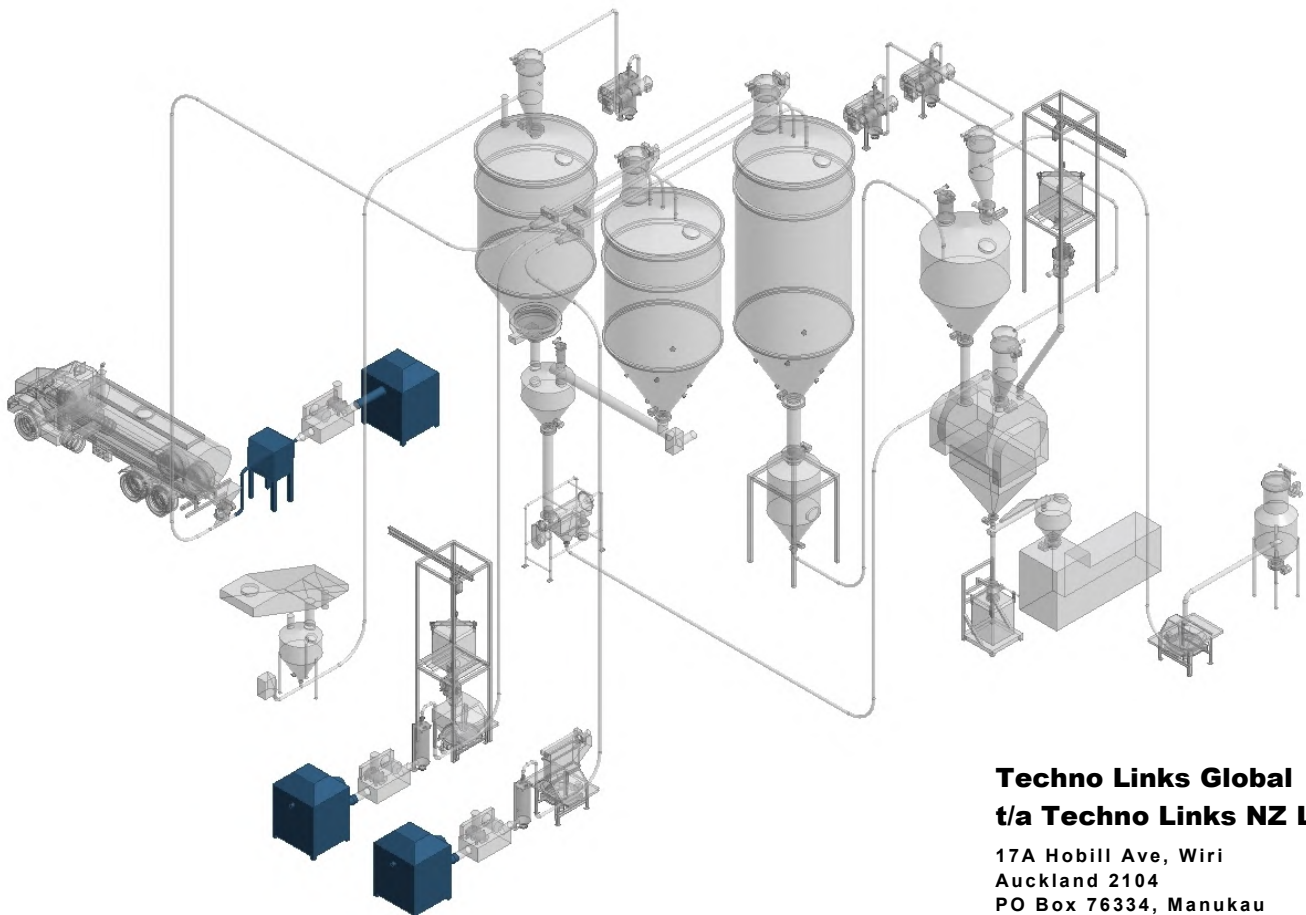
Available Accessories

- ◆ Vacuum or Pressure Conveying Systems in Lean Phase or Dense Phase configuration.
- ◆ Load Cells and Weigh Scale Systems.
- ◆ Surge Hoppers and Weigh Hoppers.
- ◆ Metering Valves and Rotary Magnets.
- ◆ Inline Metal Detection and Reject System.
- ◆ Downstream Rotary or Vibrating Screen Sifters.
- ◆ 25kg Manual Bag Fillers and Bulk Bag Filling Units.
- ◆ Units can be customised to suit client specifications, including specialised construction materials and surface finishes.

Application and Typical Technical Features

Equipment type	Air Flow (m ³ /min)	Evaporator capacity (kW)	Condenser capacity (kW)	Height (mm)	Width (mm)	Depth (mm)
Dehumidifier	8 - 11	11 - 15	13.2 - 18	1700	1050	1050
Dehumidifier	12 - 15	17 - 19.5	20.4 - 23.4	1900	1460	1400
Aftercooler		N/A				

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



System schematic showing typical Dehumidifier & Aftercooler locations

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