



ABN 37 050 323 147



"Specialists in Materials Handling and Processing Technology"



Phone: +61 7 3208 3499  
Fax: +61 7 3208 3449  
Email: [sales@filquip.com.au](mailto:sales@filquip.com.au)

5/126 Compton Road  
Underwood QLD 4119

PO Box 3043 Logan DC  
QLD 4114 Australia

[www.filquip.com.au](http://www.filquip.com.au)

# Introduction to Filquip

Filquip Pty Ltd is an Australian company that has been in operation since July 1999. Prior to that, the company traded as Australian Filter Specialists (Export) Pty Ltd, a division of Swiss Screens (Aust.) Pty Ltd.

Today the company specialises in supplying equipment and filtration media for powder and granular materials handling to the following industries throughout Australia and the Asia/Pacific Region. Almost any application involving the movement of powders and granules or industrial filtration can be serviced by Filquip.

- Building & Construction
- Cement Processing & Concrete Batching Plants
- Gypsum Processing
- Quarry Sites
- Asphalt Plants
- Feed & Food
- Flour Milling
- Animal Feed & Seed Production
- Beverage & Oil Production
- Plastics & Chemicals
- Rubber Processing and Recycling
- Fertilizer Processing
- Pharmaceuticals Processing
- Paint and Resin Processing
- Power Plants (Fly-Ash handling)
- Wharf / Port Storage and handling plants
- Environmental Technologies
- Water & Waste Water Treatment

Our staff take pride in understanding the needs of our customers and the importance of good communication, particularly with our clients in remote areas. With office and multiple warehouse facilities in Brisbane and working with specialist resellers in all Australian states and New Zealand we can provide an excellent level of service to all.

Filquip are proud to be the suppliers of companies providing industry leading equipment and technologies to the markets we serve:

- WAM® Materials Handling
- OLI® Vibration & Aeration
- AIR-TEC SYSTEM® Pneumatic Conveying



# Modular Bolt Together Silos

## SILOFAB Silos

Filquip can supply Welded or Bolt together silo packages including all of the required Silo "Jewellery" to Australian Standards.

- Welded silos available in custom built heights, diameters and capacities.
- Bolt together silo options from 35m<sup>3</sup> to 125 m<sup>3</sup>.



# Bucket Elevators

## RONCUZZI Bucket Elevators

Filquip is a supplier of Bucket Elevators for vertically conveying bulk solids in powder, granular chips or pellet forms.

- Available in Carbon steel, Stainless steel 304 & 316.
- Throughput rates up to 500m<sup>3</sup> / hr.
- Discharge heights up to 45m tall.
- Material operating temperatures up to 180°C.

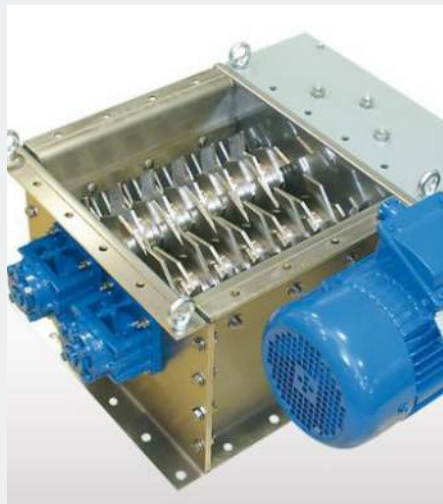


# Lump Breakers

## EXTRAC Lump Breakers DLP

Filquip provides a range of lump breakers and crushers for breaking up lumpy materials.

- Twin shaft for high throughput rates.
- Available in Carbon steel, Stainless steel 304 & 316.
- Throughputs up to 50m<sup>3</sup> / hr.



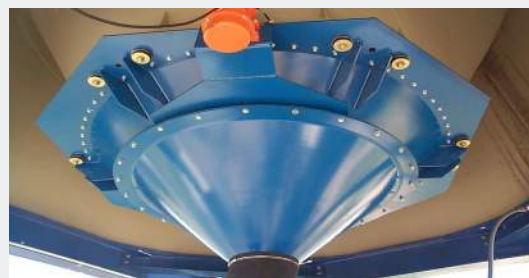


## Bin Activators

### EXTRAC Bin Activator BA

The Bin Activator is a silo or bin discharging device that utilises controlled vibration for continuous product extraction with optimal mass flow.

- Available in Stainless steel 304, Carbon steel or Carbon steel with food grade paint.
- Seamless discharge cone.
- ATEX/IECEX Zone 21 & 22 Hazardous Area Certified Versions available.
- Gasket made from wear-resistant SINT engineering polymer.



## Gravity Flap Diverter Valves

### WAM Gravity Trouser Leg Diverter Flap Valve DVA

The DVA Diverter flap valves are for diverting gravity flow of material from one source to two destinations.

- Manufactured from aluminium alloy with SINT engineering polymer lining.
- Manual, Pneumatic or Electrical actuation options available.
- Food grade version available.

The DVA comes in 175, 225, 275 and 325mm square internal inlet and outlet sizes.



## Loading Bellows

### TOREX Loading / Outloading Bellows

The Torex telescopic loading bellows range has been developed for efficient dust free loading and unloading of powders and granular materials.

- Available in Open truck, Tanker, Drum and Ship options.
- Throughput capacity from 1m<sup>3</sup> to 1,800m<sup>3</sup> / hr across the product range.
- ATEX Zone 20-22 and 20-21 versions available.
- Operating temperatures from -40°C to 150°C.



## Screw Conveyors - Tubular

### WAM Screw Conveyors - Tubular

Filquip supplies a large range of WAM screw conveyors including Cement screw conveyors, Tubular, Horizontal, Vertical, Shaftless and High temperature options.

- Tubular screw diameters of 114, 139, 168, 193, 219, 273, 323, 406, 457, 558 & 600mm.
- Numerous inlet and outlet options including spigot, round and square flanges and universal.
- Standard or Custom built screw conveyors including options for multiple inlets and outlets, reversible operation and with inspection hatches as required.



## Screw Conveyors - Trough

### WAM Screw Conveyors - Trough

Filquip supplies a large range of WAM trough screw conveyors available in shafted and shaftless configurations including high temperature options.

- Trough screw diameters of 150, 200, 250, 300, 350, 400, 500 & 600mm.
- Numerous inlet and outlet options including spigot, round and square flanges and universal.
- Standard or custom built screw conveyors including options for multiple inlets and outlets, liners and wear bars, reversible operation and with inspection hatches as required.
- Throughputs of up to 100m<sup>3</sup> / hr.



## Volumetric Screw Feeders

### WAM Microbatch Feeders MBF

The MBF range of Micro-batch feeders provide accurate volumetric feeding of powder and granular materials.

- Stainless steel body, Agitator tool and Feeder screw.
- Available with Horizontal or Vertical spout outlets.
- Available in food-grade and ATEX zone versions.
- Throughputs of up to 6m<sup>3</sup> / hr.
- Integration with a loss in weight system or VSD can provide automated accurate batching/dosing systems, with variable feed rates.



## Rotary Feeders/Airlocks

### TOREX Rotary Valves RV, RVR, RVS & RVC

Filquip provides a range of Torex rotary valves to meter solids from a hopper or silo, place into a blower pneumatic conveying system or provide an airlock on a dust collector.

- Drop through and Blow through options in Cast iron, Stainless Steel 304 & 316, Chromed, Teflon and Nickel plated.
- Round inlet diameters of 150, 200, 250 & 300mm.
- Square inlet dimensions of 150, 200, 250 & 300mm.
- Rectangular inlet dimensions of 170x122, 238x135, 276x148, 377x196, 470x240 & 569x284mm.
- Capacities of 2, 5, 10, 20, 35 & 80 L/Rev.
- Working Temperatures from -40°C to 150°C.



## Slide Gate Valves

### WAM Slide Gate Valves VIB, VL & VG

Slide gate valves are used where the flow of a bulk solid by gravity is required to be intercepted.

- Carbon steel and Stainless steel construction material options.
- Square cross section sizes of 150, 200, 250, 300, 350, 400, 450, 550, 650, 750 & 950mm.
- Round cross section diameters of 150, 200, 250, 300, 350 & 400mm.
- Rectangular cross section sizes of 150x250, 200x300, 250x400, 300x450, 375x560 & 425x650mm.
- Internal Actuation available and Low profile "thin" gates available.
- Manual, Pneumatic or Electrical Actuation options available.



## Butterfly Valves

### WAM Butterfly Valves V Series

Filquip supplies a range of butterfly valves for materials handling systems.

- Valve pressure rating options of up to 0.2, 2.5 and 8 bar.
- Carbon steel, Aluminium alloy and Stainless steel material options.
- Manual, Pneumatic or Electrical actuation options available.
- Size options of 100, 125, 150, 175, 200, 250, 300, 350 & 400mm diameter.





# Silo Overfill Protection System

## Silo Overfill Protection System

Filquip can supply a tailored silo overfill protection system to suit any system, to prevent dangerous over pressurisation and over filling, while eliminating dust emissions.

- Avoid damage to silo and accessories.
- Reduce the risk of air pollution.
- Eliminate the risk of filling the incorrect silo.
- Start and stop the filter cleaner automatically.

Packages include the Control Panel, Valves, Ducting, Fittings, PRV's, Dust Collectors, Wear Bends, level Indicators and Pressure Switches as required.



# Explosion Venting Systems

## Explosion Panels

Filquip is an Australian Distributor of Explosion Protection Panels.

- Available many rectangular, square and round sizes.
- EPDM or Silicon food grade gasket options.
- Stainless steel construction.
- Flameless Burst Panel Versions available for indoor use.
- Spring loaded flameless vents available for indoor use.
- Optional variety of burst sensors can be fitted to the panels.



# Wamflo Dust Collector

## Wamflo Dust Collector FN Series

The Wamflo dust collector is a flanged round dust collector designed to control emissions of any kind of dust in virtually all industrial sectors.

- Standard overfill protection system sizes 24m<sup>2</sup>, 40m<sup>2</sup> & 48m<sup>2</sup>.
- Range of bag and cartridge filter options.
- Robust stainless steel 304 body.

The Wamflo dust collector has maintenance free automatic reverse air jet cleaning of the cartridges to return collected dust to the silo.



## Silo Pressure Relief Valves

### WAM Pressure Relief Valves VHS & VCP

Filquip supplies spring-loaded and membrane type pressure relief valves to provide a safety net when abnormal pressure conditions develop in the silo, hopper or bin.

- Excess pressure up to 500 mm H<sub>2</sub>O at a flow rate of 6,000m<sup>3</sup>/hr.
- Vacuum/Negative pressure up to -50 mm H<sub>2</sub>O at a flow rate of 1,900m<sup>3</sup>/hr.



## Silo Pressure Sensors

### TOREX Pressure Meters IPE

The Torex IPE Electronic Pressure Meter is designed for monitoring of the pressure inside bins or silos during their filling and with the purging of tankers.

- The pressure sensor membrane is self-cleaning and temperature resistant.
- The casing is aluminium alloy with IP55 protection rating.
- 4-20 mA output signal configurations.
- 24VDA supply voltage.
- IPX mounting spigot available for simple installation onto any silo.

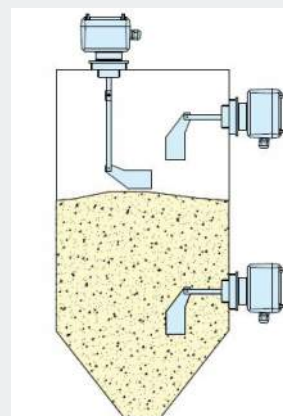


## Silo/Hopper Level Indicators

### TOREX Level Indicators ILT, ILS & ILV

Filquip is a supplier of Vibrating, Capacitance, RF and Rotating level Indicators.

- Available with extension kits to suit any silo or hopper high or low level requirements.
- IP66 Enclosure protection.
- Multi-voltage output signals available.
- High pressure capable options available.





## Wear Bends Long Radius

### SINT Wear Elbows - Extracurve EWM

Filquip is a supplier of long radius wear bends made from patented WAM SINT engineering polymer cast around a helicoid spring core.

The symmetric nature of the wear bends allows them to be mounted in reverse when they begin to show signs of wear from abrasive materials.

- Sizing from in 2", 3" and 4" Pipe Diameters
- Wide material impact zone.
- Flexible and lightweight.
- Food grade version available



## Wear Bends Short Radius

### SINT Wear Elbows - Extrabend EBM

Filquip is a supplier of short radius wear bends with WAM patented geometry enabling diversion of the flow of the material at minimum wear.

- Sizing from in 2", 3" and 4" Pipe Diameters
- Considerable reduction of flow resistance, saving energy.
- Flexible and lightweight.
- The Elasticity of SINT ensures conveying of material without particle breakdown, grinding or jamming.
- Food grade version available



## Silo Venting and Ducting Kits

### Ducting Kits

As part of the overfill protection package from Filquip the following standard Ducting components are supplied for silo venting through the dust collector and PRV.

- 3 off Galvanised Spiral Ducting 0.8mm x 152mm Diameter x 6 m.
- 2 off 90° Pressed Bend 150mm Diameter.
- 1 off 45° Pressed Bend 150mm Diameter.
- 1 off Y Piece 150mm Diameter.
- 3 off Male Joiner 150mm Diameter.
- 3 off Saddle Mount Hangers Suit 150mm Ducting.

Custom ducting components for any silo type, silo size or dust collector configuration can be provided.



## Pinch Valve VM

### TOREX Pinch Valve VM

The pinch valve provides a valve seal which does not impede pneumatic conveying flow and is not as affected by the abrasive wear of pneumatic conveying.

- Available in sizes of 0.5", 0.75", 1", 1.25", 1.5", 2", 2.5", 3", 4", 5", 6" and 8" diameter.
- Industrial or Food grade versions available.

The Pinch valve is operated by introducing compressed air into the threaded bore of the valve interior, the internal flexible sleeve is shaped to hermetically seal the passage.



## Pneumatic Distribution Panels

### Pneumatic Distribution Panels

Filquip supplies Pneumatic Distribution Panels to manage air supply to all of the following equipment in the one central IP rated enclosure.

- Dust Collector Reverse Pulse Systems.
- Aerators and Fluidisers.
- Pinch Valves and Butterfly Valves.

All items are labelled and plumbed into the enclosure with 12mm air fittings on the enclosure for site connections.



## Filter Regulators, Solenoids, Airline and Fittings

### Filter Regulators, Solenoids, Airline and Fittings

As part of the overfill protection package, Filquip can supply the following equipment and instrumentation for a fully operational system.

- UV stabilised nylon Airline from 6mm to 16mm (Standard 12mm size).
- Push in fittings for all airline sizes with connections from 1/8" to 1/2".
- Various styles of swivel bends, swivel tees, straight connectors and union tees for airline plumbing.
- Filter regulators, gauges, mounting brackets and shut off valves in 1/4", 3/8" and 1/2" fittings.
- Solenoids in 2/2, 3/2 and 5/2 configuration for air control in any voltage (Typically 24VDC, 24VAC, 240V & 110V).



## Replacement Filter Cartridges

### Filter Cartridges

Filquip offers a range of filter cartridges for almost any collector unit. Filquip can manufacture filter cartridges to provide a solution to any cartridge filter problem. We pride ourselves on being able to deliver filtration solutions for the dirtiest, stickiest, hottest and nastiest products.

- Snap ring, Bottom screw-in, Standard plain end, Flanged plain end, Tri-lobe style top cap options available
- Metal, Polymer/plastic cap and Moulded base matching pleat bottom cap options available.
- HEPA and HVAC filters available.

General enquiries and challenges to find solutions to dust collector and bag house problems are welcomed.



## Replacement Dust Filter Bags

### Dust Filter Bags

Filquip can supply dust filter bags for almost any collector unit. We pride ourselves on being able to deliver dust filter bag solutions for the dirtiest, stickiest, hottest and nastiest products.

Snap cuff, Raw edge, Cord, A-hanger, Grommet, Loop, Strap, Support ring, Rubber o-ring, Disk bottom, Disk with wear strip, Flange, Hem, Sewn flat and Envelope type dust bags available.

General enquiries and challenges to find solutions to dust collector and bag house problems are welcomed.



## Replacement Blower Filter Cartridges

### Blower Filter Cartridges

Filquip supplies inlet filter cartridges for blowers in a variety of sizes and filtration media options.

- Range up to 11,900 m<sup>3</sup>/hr air capacity.
- Inner Diameters range of 41, 63, 86, 104, 129, 165, 190, 244, 269, 368, 489, 636mm.
- Standard cartridges available in felt media, other media options include paper and foam.
- Foam pre-filters are available to order.

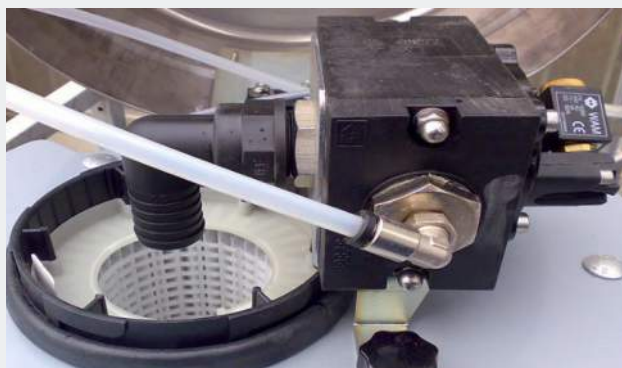




## WAM Hoppertop Dust Vent

### WAM Hoppertop Dust Collector

The Hoppertop is a compact stainless steel air filter unit for hoppers, tanks and small silos with a filtration surface area of 1m<sup>2</sup>. Dust is separated from the air through a filter cartridge which uses an automatic reverse air jet cleaning system to clean the cartridge and return dust to the hopper.



## WAM Hopperjet Dust Vent

### WAM Hopperjet Dust Collector

The Hopperjet is a compact air filter unit for hoppers, tanks and small silos with a filtration surface area of 2m<sup>2</sup>. Dust is separated from the air through a filter cartridge which uses an automatic reverse air jet cleaning system to clean the cartridge and return dust to the hopper.

- Available in ATEX/IECEX Versions.



## WAM Silotop Dust Vent

### WAM Silotop Dust Collector

The Silotop is a cylindrical shaped dust collector designed specifically for mounting on silos.

- Filtration surface area of 24.5m<sup>2</sup>.
- Compact size of 800mm diameter in a Stainless steel body.
- Maintenance free automatic reverse air jet cleaning of the cartridges.
- The Silotop is compliant with the most advanced health and safety standards.



## WAM Hazardous Area and Food Grade Dust Collectors

### WAM Hazardous Area and Food Grade Dust Collectors FNM Series

The WAM Food Dust Collector range of dust collectors are manufactured from Stainless Steel with a bottom mounting flange, the units contain vertically or horizontally mounted filter bags or filter cartridges which are food grade certified.

- Available with a range of filter surface areas and filter orientations.
- Maintenance free automatic reverse air jet cleaning of the cartridges.
- Compliance with the most advanced health and safety standards.
- Available in Hazardous Area - ATEX/IECEX Versions.
- Available with a full pneumatic timer which requires no electricity.



## Wamflo Round Dust Collector

### Wamflo Dust Collector FN Series

The Wamflo dust collector is a flanged round dust collector designed to control emissions of any kind of dust in virtually all industrial sectors.

- Filtration surface areas from 2m<sup>2</sup> to 44m<sup>2</sup>.
- Range of bag and cartridge filter options.
- Robust stainless steel 304 body.

The Wamflo dust collector has maintenance free automatic reverse air jet cleaning of the cartridges to return collected dust to the silo.

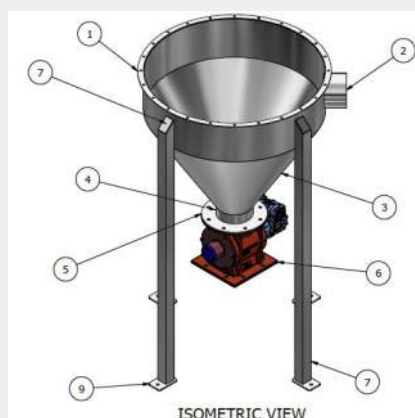


## WAM DK Dust Collector Hopper

### WAM DK Dust Collector Hopper

Filquip Supplies a range of DK Hoppers to suit the flange patterns of the WAM dust collector range.

- Available in Mild steel, Stainless steel 304 & 316.
- Dust outlet options of Bin & seal Kit, Rotary valve, Chute or Recofil System.



## WAM Insertable Dust Collectors

### WAM Insertable Dust Collectors FPI Series

The WAM Insertable Dust Collector Range provides a Dust Collection and Extraction unit which consists of a filter body which supports the filter elements. These units are directly installed onto the silo/hopper or conveyor belt to be vented with the filters protruding into the dust space, thus externally saving on height and space requirements.

- Available with a range of filter surface areas and filter orientations.
- Available in Horizontal or Vertical Orientations.
- Maintenance free automatic reverse air jet cleaning of the cartridges.
- Compliance with the most advanced health and safety standards.
- Available in Hazardous Area - ATEX/IECEX Versions.
- Available with a full pneumatic timer for extreme hazardous zones.



## Wamair Polygonal Dust Collector

### Wamair Polygonal Dust Collector FP Series

The WAMair polygonal dust collector is a flanged dust collector designed to control the emission of any kind of dust in virtually all industrial sectors.

- Air volumes up to 9,000m<sup>3</sup>/hr.
- Filtration surface areas from 3m<sup>2</sup> to 70m<sup>2</sup>.
- Optional vertical or horizontal filter elements.
- Robust stainless steel 304 body.
- Available in Hazardous Area-ATEX/IECEX Versions.
- Available with a full pneumatic timer for High level hazardous zones.

The Wamair dust collector has maintenance free automatic reverse air jet cleaning of the cartridges.



## Mobile Welding Fume Collector

### Mobile Welding Fume Collector

The Filquip Fume 200 is a mobile welding fume collector with 1 or 2 dirty air collection arms that can be positioned at the working space. The collector is designed to collect the harmful substances in welding smoke and other fabricating activities.

- Available with single or dual arm configurations.
- Reverse air jet cleaning of the cartridges.
- Includes Exhaust Silencer.
- Includes spark proof filter media (Fire retardant treated).





# Tecu Fume and Dust Filter for Metal Processing

## Tecu Fume and Dust Filter for Metal Processing

The Tecu is a modular filter designed for the collection of fumes and dust generated by metal processing and sand blasting works. The negative pressure from the suction fan draws the fumes through the specialised filter elements inside the filter unit.

- Air volumes from 4,000m<sup>3</sup>/hr to 24,000m<sup>3</sup>/hr.
- Filtration surface areas from 74m<sup>2</sup> to 444m<sup>2</sup>.

The Tecu system is easily compatible with Recofil and Easyfill systems to remove operation and maintenance cleaning requirements as well as recovering product.



# Dust Collector Conveying System

## WAM Recofil Dust Conveying System

The Recofil pneumatic dust conveying system can be retrofitted onto dust collectors to convey the dust from the collector.

- Allows the re-use of the product dust into plant processes minimising waste.
- Can operate on the compressed air from the dust collector cleaning system.
- Transports dust up to 10m at a rate of up to 60 kg/hr.



# Dust Bagging Handling System

## Easyfill Dust Bagging Handling System

The Easyfill is a special bulk bag filling system which receives pneumatically conveyed dust from the Recofil system.

- Allows the re-use of the product dust into plant processes minimising waste.
- The equipment folds up and is easy for transport.
- Allows simple bagging of waste dusts in an easy form for disposal.



## Blower and Vacuum Units

### Blower and Vacuum Units

Filquip supplies a range of tri-lobe and side channel type blowers capable of being used in both positive pressure and negative vacuum systems.

- Tri-Lobe Blowers Capable of up to 45,000 m<sup>3</sup>/hr airflow up to 1.1 bar pressure.
- Tri-lobe blower and motor acoustic enclosures to reduce the sound level from 95dB to 75 dB.
- Conveying System Side Channel Blowers capable of 850m<sup>3</sup>/hr and 1.1bar pressure.
- Standard Pressure Side Channel Blowers capable of 2,450m<sup>3</sup>/hr and 0.78bar pressure.
- All Blower systems come with Vacuum Relief Valves and Inlet Filters.
- Available with customised support stands.



## Rotary Valves

### TOREX Blow Through Rotary Valves

Filquip provides a range of blow through and drop through rotary valves to meter solids into a blower pneumatic conveying system or provide an airlock on a dust collector.

- Drop through and Blow through options in Cast iron, Stainless Steel 304 & 316, Chromed, Teflon and Nickel plated.
- Round inlet diameters of 150,200,250 & 300mm.
- Square inlet dimensions of 150,200,250 & 300mm.
- Rectangular inlet dimensions of 170x122, 238x135, 276x148, 377x196, 470x240 & 569x284mm.
- Capacities of 2, 5, 10, 20, 35 & 80 L/Rev.
- Working Temperatures from -40°C to 150°C.



## Pipe Couplings

### EURAC Pipe Couplings

Filquip is an Australian distributor and agent of Eurac couplings for pipe and tube.

- Sizing from 38.1mm to 300mm in diameter.
- Suitable for all pneumatic and vacuum conveying operations.
- High working pressure.
- Available in Galvanised steel with Stainless Steel contact parts or in full 304 Stainless Steel.
- NBR seals supplied as standard, other options includes FDA approved food grade, Viton and Silicon seals.

Eurac clamps can also allow coupling for two tubes with different wall thicknesses





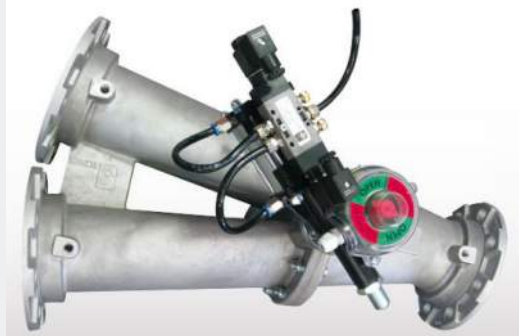
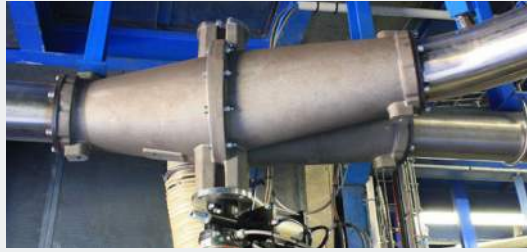
## Pipeline Flap Diverter Valve VAB

### Flap Diverter Valve VAB

The VAB pipeline flap diverter valve uses a swinging flap of wear resistant EPDM rubber to divert pneumatically conveyed material from one source between two destinations.

- Manufactured body from aluminium alloy.
- Manual, Pneumatic or Electrical actuation options available.
- The flap is Food grade, Antistatic and Wear resistant.

The VAB Pipeline Flap Diverter Valve comes in 50mm, 65mm, 80mm, 100mm, 125mm, 150mm, and 200mm diameter sizes.



## Compact Oscillating Diverter Valve VAD

### TOREX Compact Oscillating Diverter Valve VAD

The VAD compact oscillating diverter valve moves an internal pipe between destination outlet pipes.

- Manufactured body from aluminium alloy.
- Nickel plated option for additional wear resistance.
- Manual, Pneumatic or Electrical actuation options available.
- Working Pressure up to 2.5 bar.

The VAD oscillating diverter valve comes in 50mm, 80mm and 100mm diameter sizes.



## Drum Type Diverter Valve VAR

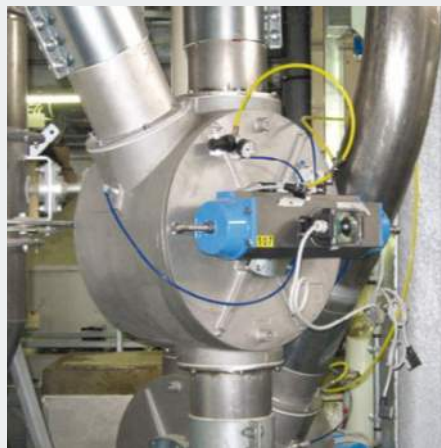
### TOREX Drum Type Diverter Valve VAR/VAS

The VAR drum type diverter valve uses a pneumatic actuator to rotate the inner drum and commutation of the discharge pipeline face producing a seamless diversion of material between pipelines.

- Manufactured body from aluminium alloy or Stainless steel.
- Nickel plated and Tungsten carbide options available for additional wear resistance.
- Manual, Pneumatic or Electrical actuation options available.
- Working Pressure up to 3.5 bar.

The VAR drum type oscillating valve comes in 50mm, 65mm, 80mm, 100mm, 125mm, 150mm, 150mm, 175mm and 200mm diameter sizes.

Filquip also offers the VAS Plug Type Diverter Valve with a 60 Deg diversion angle, developed primarily for the milling industry with a 1 bar maximum conveying pressure.





## SENATOR Compressors

### SENATOR Compressors

Filquip is an Authorised Distributor of Senator Compressors and Compressed Air Packages. The Senator range continues to set the benchmark in affordable compressors without sacrificing performance, reliability or quality.

The senator range includes combination 4 in 1 units, standard compressors and variable speed units with a performance class range of 4 kW to 75 kW.



## ALMIG Compressors

### ALMIG Compressors

Filquip is an Authorised Distributor of German Manufactured ALMIG Compressor Systems. For almost 100 years ALMiG has been manufacturing quality compressed air systems in Germany for distribution around the world.

The ALMIG COMBI Air Compressor Packages provide a small footprint All-In-One Compressor and Air treatment system. With a performance class range of 5.5 kW to 22 kW the COMBI system includes the compressor, air-receiver, refrigeration drier inline pre-filter and inline post filter all in the one simple to locate and install housing.

ALMIG also has the G-Drive and V-Drive series of compressors which have a performance class range of 30 kW to 75 kW.



## FUSHENG Air Receiver Tanks

### FUSHENG Air Receivers

Filquip offers a range of vertical air receivers from 60 to 5,000 litres that are ideal for use in industrial compressed air systems. Designed and manufactured in accordance with AS 1210-2010 and approved for use in all Australian workplaces.

Auto-Drain kits and gauges are fitted with receivers for minimal maintenance operation day in day out.

FUSHENG Air Receivers are competitively priced and available for immediate delivery off-the-shelf.



## Small Dense Phase Pneumatic Conveying Systems

### BART Dense Phase Pneumatic Conveying System

- Distances up to 20m & capacity up to 1 ton/h.
- Pressure up to 2 bar with vessel capacity 24L.
- 150mm diameter Inlet Valve.
- Transport pipeline outlet options of 1.5", 2" and 3" diameter.
- Available in ATEX Zone 21 & 22, Carbon steel, Stainless steel 304 & 316.
- High temperature version available for materials up to 250° C such as ashes and slag.

The BART is able to transport materials that tend to clog and is particularly suitable for humid places, as well as food, chemical or pharmaceutical industries.



## Medium Dense Phase Pneumatic Conveying Systems

### BARTONE 80 – 150 – 300 – 600 – 900 Dense Phase Pneumatic Conveying Systems

- Distances up to 70m & capacities from 2 to 20 ton/h.
- Pressure up to 6 bar.
- Vessel capacities of 80L, 150L, 300L, 600L & 900L.
- 200/250 mm diameter inlet valve.
- Transport pipeline outlet options of 2", 3", 4", 5" & 6" diameter.
- Available in ATEX Zone 21 & 22, Carbon steel, Stainless steel 304 & 316.
- High temperature version available for materials up to 250° C such as ashes and slag.

All of the BART series are equipped with an advanced control system to manage the introduced air. All dense phase vessels are certified Australian Standards for pressure vessels.



## Specialist and Large Dense Phase Pneumatic Conveying System

### TPA Dense Phase Pneumatic Conveying System

- Distances up to and beyond 500m & capacities up to 100 ton/h.
- Pressure up to 7 bar.
- Vessel capacities from 80L to 4,428L.
- 200/250/300 mm diameter inlet valves.
- Transport pipeline outlet options of 2", 3", 4", 5", 6" & 8" diameter.
- Available in ATEX Zone 21 & 22, Carbon steel, Stainless steel 304 & 316.

The TPA is a first class solution for fragile and difficult to convey materials and includes an advanced electronic control system for conveying to many destinations. The TPA system guarantees the integrity of the materials during transport without stratification.

TPA Dense Phase Systems have three types of conveying modes depending on the required method of transport: Standard, Full Pipeline and Full pipeline continuous.



## Air boosters

### Air boosters

When installed along the conveying line, air boosters add the optimal amount of additional air at the optimal locations along the line. Air Boosters act like many helping hands along the pipeline to help the product move along.

- Reduce wear during pneumatic conveying.
- Controls conveying flow rate.
- Reduces overall pneumatic conveying air consumption.
- Maintains aeration of product in the pipeline.



## High Pressure Pneumatic Diverter Valve

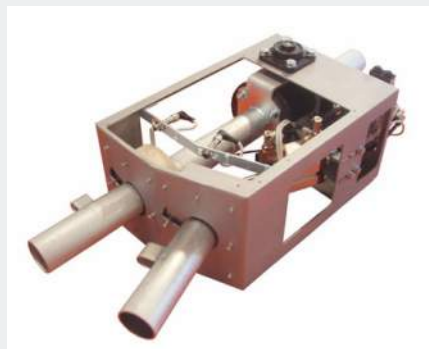
### AIR-TEC DEV High Pressure Oscillating Tube Diverter Valve

The Air-Tec DEV diverter valves are certified for pressure up to 6 bar.

- Available in the 2 and 3 way versions.
- Available in sizes from 2" to 6" with contact parts in carbon steel or AISI 304.
- With a robust cover that allows for both indoor and outdoor operation.

Suitable for handling materials of any size including with abrasive or fragile materials, as well as those that tend to clog.

An inflatable seal placed on the head of the oscillating tube is deflated when the tube changes its position and inflates again after the pipe has reached the desired position which is controlled by limit switches.



## Tee-Top Valve Receivers

### AIR-TEC Tee-Top Valve Receivers

The valve receiver (Tee Top) allows pneumatic conveying of product to multiple destinations with a single pipe.

Can be installed on Silos or Hoppers, along the route or positioned at the end of the line to direct the flow of product to the desired location. Pneumatically actuated and available with feedback limit switch.

- Conveying line size 2 inch - Valve receiver outlet diameter 4 inch.
- Conveying line size 3 inch - Valve receiver outlet diameter 6 inch.
- Conveying line size 4 inch - Valve receiver outlet diameter 8 inch.
- Conveying line size 5 inch - Valve receiver outlet diameter 10 inch.
- Conveying line size 6 inch - Valve receiver outlet diameter 12 inch.
- Conveying line size 8 inch - Valve receiver outlet diameter 16 inch.
- Conveying line size 10 inch - Valve receiver outlet diameter 16 inch.





## Mobile Vacuum Conveying Unit

### Mobile Vacuum Conveying Unit

Filquip supplies a Mobile Vacuum Conveyor with a wand piece to allow personnel to vacuum up beans, granules or powders from bags and lift it up into a receiver such as a hopper, barrel, coffee roaster, product mixer etc. The mobile vacuum conveying unit is a simple way to mitigate manual handling risks to staff caused by lifting heavy bags.

- Manufactured from polished 304 stainless steel.
- Food grade suction hose (Suitable for food and pharmaceutical industries).
- The unit comes on lockable wheels for mobility around the facility.
- The unit comes complete with in-built reverse pulse cleaning.
- Simple control panel provided for ease of operator use.
- Discharge height up to 2m.
- Nominal throughput up to 8m<sup>3</sup>/hr.
- Available in Single Phase, Three Phase and Pneumatic motor configurations.



## Central Industrial Vacuum Systems

### Central Industrial Vacuum Systems

Filquip supplies and installs Centralised Industrial Vacuum Systems. Typically used in milling and food processing facilities to vacuum up all waste powders and granules to a central point outside the building. Systems designed and implemented include pipework running in excess of 150m with 20+ vacuum pickup points over 6 floors of a facility.

- Pipework, Dust Collector and Frames made in SS304.
- Optional Hazardous Area Zone certified equipment models.



## Borosilicate Sight Glasses and Wear Resistant Bends

### Borosilicate Sight Glasses and Wear Resistant Bends

The Borosilicate Sight Glass Pipes and Wear Resistant Bends, Glass Tube and Viewing Pipes come in a wide range of diameters. The transparency of the borosilicate glass allows simple visual checks of the material flowing through the pipes or bends. With Electrostatic Protection from its Copper Conductive Strip and Food Grade properties (think Pyrex Glass) they are well suited to a large range of products.

- Borosilicate Glass has up to 10 times the abrasion resistance of Stainless Steel.
- Available in multiple tube and pipe diameters including 38, 40, 45, 50, 60, 63.5, 65, 70, 76, 80, 84, 88.9, 101.6, 104 and 114mm.
- Available in Straight Lengths, 45 Deg Bends or 90 Deg Bends.



# a selection of the materials handled

Air-Tec system's dense phase pneumatic conveying systems are able to handle a wide variety of materials with particle size from  $0.1\mu$  up to 3cm.



alumina



dry blend



fiberglass



tin



dehydrating

- Acrylamide
- Acrylic modifier
- Active carbon
- Adipic acid
- Alumina
- Aluminium fluoride
- Aluminium nitride
- Aluminium silicate
- Ascorbic acid
- Atomized aluminium powder
- Barium and strontium sulfate
- Barium sulfate
- Barley malt
- Base granules detergent
- Bed ash
- Bentonite
- Bicarbonate
- Biscuit mix
- Black sand
- Blended glass batch
- Bone meals
- Borax
- Boric acid
- Bran flakes
- Bread crumbs
- Burnt sand
- Cake mix
- Calcium carbonate
- Calcium fluoride
- Calcium oxide
- Calcium phosphate
- Calcium silicate
- Calcium stearate
- Calcium sulfate
- Calcium carbide
- Carbon black
- Carbon Mix
- Carnalite
- Catalyst
- Celite
- Cellulose
- Cement
- Cement blend
- Ceramic
- Ceramic dust
- Cereals
- Chamomile
- Charred wood
- Chewing gum base
- Chicken seasoning
- China clay
- Chromic acid
- Citric acid
- Clay
- Clay calcined
- Clay tile
- Coal
- Coal dust
- Coal slag
- Cobalt oxide
- Cocoa
- Coffee beans
- Coke
- Copper matte
- Copper Powder
- Corn
- Corn Gluten Meal
- Corn Grits
- Couscous
- Crispy rice
- Crushed rock
- Cryolite dust
- Desiccated coconut
- Dextrose
- Diatomaceous earth
- Disodium phosphate
- Dolomite
- Dried Anthracite
- Dried peas
- Dried sludge
- Dry ash
- Dry Soap
- Epoxy resin
- Ethylene vinyl acetate
- Feldspar
- Ferrite
- Fiberglass
- Fly ash
- Foundry dust
- Freeze dried coffee
- Frit

- Fructose
- Fumed silica
- Glass batch
- Glass beads
- Granola
- Graphite
- Green oats
- Groats
- Gypsum
- Hydrated alumina
- Hydroquinone
- Ilmenite
- Iron oxide
- Iron powder
- Lactose
- Lignite
- Lime
- Limestone
- Magnesite
- Magnesium chloride
- Magnesium oxide
- Maltodextrin
- Manganese dioxide
- Marble chips
- Medicinal herbs
- Melamine powder
- Metal powder
- Mica
- Milk powder
- Milled zircon
- Mineral black
- Mixed sand and soda ash
- Molybdenum oxide
- Monoammonium phosphate
- Mortar mix
- Mush
- Nickel carbonate
- Nickel granules
- Nickel oxide
- Nickel sulfate
- Nylon pellets
- Oat flakes
- Olivine sand
- Paper pulp
- Parmesan cheese
- Peanuts
- Perlite
- Pet food
- Pharmaceutical gelatin
- Phenolic resin
- Phosphoric anhydride
- Pink Beans
- Plastic caps
- Plastic Pellet
- Plastic resin pellet
- Polyester
- Polyethylene
- Polyethylene glycol
- Polypropylene
- Polystyrene
- Polyvinyl chloride
- Popcorns
- Potash
- Potassium carbonate
- Potassium sulfate
- Potato flakes
- Potato flour
- Prilled ferrous sulfate
- Pvc compounds
- Pvc powder
- Pvc resin
- Pyrite concentrate
- Reclaimed sand
- Red lead
- Refractory batch
- Resin
- Resin copolymer
- Resin-coated sands
- Rice grains
- Rock dust
- Rye flour
- Saccharin sodium
- Salt crystals
- Sand
- Scrap glass
- Silica
- Silica flour
- Silica sand
- Silicates
- Silicon carbide
- Silicon dioxide
- Silicon powder
- Soda ash
- Sodium carbonate peroxide
- Sodium chlorate
- Sodium citrate
- Sodium fluoride
- Sodium nitrate
- Sodium perborate
- Sodium percarbonate
- Sodium polyacrylate
- Sodium stearate
- Sodium sulfate
- Sodium triphosphate
- Soy protein powder
- Soybean meal
- Spodumene
- Starch
- Sugar
- Superabsorbent polymer
- Talc
- Tea
- Tile dust
- Titanium dioxide
- Titanium slag
- Tobacco
- Trisodium phosphate powder
- Urea
- Vermiculite
- Vinyl resin
- Vinyl tile chips
- Wheat flour
- Wollastonite
- Zeolite
- Zinc oxide
- Zinc powder
- Zinc stearate
- Zirconium
- Zirconium carbonate



phenolic resin



pet food



roasted coffee beans



## Bulk Bag Filling Stations

### EXTRAC Bulk Bag Filler RBB

The EXTRAC RBB Bulk Bag Fillers use a steel support frame with telescopic tubes allowing height adjustment to adapt to different bulk bag dimensions.

The empty FIBC Bulk Bag is attached to the four stretchers in the upper corners of the frame. The bag inlet is then pulled over the loading spout and filling can start once the seal around the bag inlet is inflated. As the Bag fills the corner stretchers extend to ensure efficient filling of the whole bag.

- Available in Carbon steel, Stainless steel 304 and Stainless steel 316.
- Filquip offers platform scales and PLC system for Bulk Bag Fillers by weight with weight data logging.
- Dust Free due to the bag neck inflatable seal.
- Optional Blower available for bag inflation before filling.



## Bulk Bag and IBC Unloaders

### EXTRAC Bulk Bag Unloader SBB

The SBB Bulk Bag unloader provides an effective solution to unloading bulk bags of product in an efficient manner.

- Available in a half frame height where a crane is utilised to lift and hold the bag during unloading.
- Available in full frame height with telescopic rails for bag loading with a forklift into the frame.
- Available in full monorail frame and crane hoist system with pendant control.
- Includes a vibrating pan plate and dust collection point to ensure fast and clean bulk bag unloading.
- Available with optional Massagers, Bag Splitting Knives and Door Interlocks.
- Available in Carbon steel, Stainless steel 304 & 316.



## Circular Lump Breakers

### WAM Circular Lump Breaker

The LBC Circular Lump Breaker is a low-profile cost-effective solution to clumps and lumps in powders and granular materials. The fast rotation of the special cutting knives through the circular rigid grid provides efficient crumbling.

- Body manufactured in Aluminium Alloy with Stainless Steel Blades.
- Available in multiple diameters including 200, 250, 300, 350 and 400mm.
- 78mm Flange to Flange (Low Profile).
- Comes with Gearbox and Motor.



## Automatic Bag Splitters and Unloading Machines

### EXTRAC Automatic Bag Splitters RSA

The RSA Automatic bag splitter allows the splitting of bags loaded onto a conveyor belt by pressing and cutting to unload the product in an automatic and safe manner.

- Product screening allows the bags to be completely emptied and the waste bag material removed from the product.
- Ideal for discharging dangerous products from bags safely with automation.
- Available in Carbon Steel, Stainless Steel 304 or Stainless Steel 316.
- Available with duct collection filter mounted on the unit.
- Available with connection for a centralised dust collection system to be connected.
- Able to handle bags of different sizes without machine adjustment.



## Manual Bag Splitting Stations

### EXTRAC Manual Bag Emptier RSM

The RSM Manual bag emptier allows the user friendly splitting of bags in a dust controlled environment. With easy connection to a screw conveyor, feeder or pneumatic conveying system for safe discharge of dangerous products.

- Available in Carbon Steel, Stainless Steel 304 or Stainless Steel 316.
- Available with duct collection filter mounted on the unit (3 – 22 m2 Filter Area).
- Available with connection for a centralised dust collection system to be connected.
- Available in Hazardous Area Zone build.
- Simple, quick access to internal parts. Designed for easy cleaning.



## Waste Bag Compactors COM

### EXTRAC Waste Bag Compactors COM

For disposing of large volumes of empty bags the COM Waste Bag Compactor is an efficient and economical solution. Bags are compressed to a fraction of their original volume while the workplace is kept perfectly tidy.

- Available in Carbon Steel or Stainless Steel 304.
- All models come with heavy duty shaftless spiral with bearing mounted at the inlet.
- Easy access to all parts due to its modular design.
- Able to handle bags of different sizes without machine adjustment.
- Available in Hazardous Area Zone build.
- The bag compactor does not have to be shut down to release the filled outlet bag.



## MVE Electric Vibrators

### OLI MVE Micro Electric Vibrator Range

The MVE micro range of electric motovibrators come in single phase and three phase versions

- Vibratory force (Centrifugal force) output from 5Kg to 44Kg.
- Long life maintenance free bearings.
- Designed for continuous use.



## Standard Electrical Vibrators

### OLI MVE Electric Vibrator Standard Range

The MVE standard range of electric motovibrators come in 2,4,6 & 8 pole versions.

- Vibratory force (Centrifugal force) output from 20Kg to 26,000Kg through a range of over 50 different model variants.
- ATEX ExII3D and ETL, Class II, Division 2 certification for application in the presence of potentially flammable dusts in hazardous environments.
- Vacuum-impregnated windings using Class F insulating materials.
- Models available with IECEX certification.



## Stainless Steel Vibrators

### OLI Stainless Steel Vibrators

The Oli Food Industry Vibrators come with IP66 protection in stainless steel or with Steel-It food grade paint.

- Vibratory Force (centrifugal force) output from 20kg to 20Kg to 26,000Kg through a range of over 50 different model variants.
- Ex II3D and ETL, Class II, Division 2 certification for application in the presence of potentially flammable dusts in hazardous environments.
- Corrosion Resistant.
- Smooth Body Shape.
- Water and Moisture Proof.
- Terminal Box Protection.





# Visam Vibrators

## Visam Vibrators

Filquip is a supplier of Visam vibrators and holds a range of stock in Australia.

Models available including:

- Visam SPV & SPX – Low Speed Vibrators.
- Visam AMV – Mini Vibrators.
- Visam HFV & HFC – High Frequency Vibrators.
- Visam SPEx – ATEX and IECEx Vibrators.
- Visam SPF – Flange Mounted Vibrators.
- Visam VFV & VFC – Variable Frequency Vibrators.
- Visam DCV – Direct Current Vibrators.
- Visam SPC – Quick Release Vibrators.
- Visam EMC – Electronic Modular Converters.



## Explosive Atmosphere Rated Vibrators

### OLI MVE Electric Vibrator Explosion Proof Range

Filquip is a supplier of High Frequency Electric Vibrators for concrete consolidation. High speed vibration (6000 VPM) is used for applications where a high surface quality is required.

- Vibratory Force (Centrifugal Force) output from 294Kg to 2,600Kg.
- Low speed vibrators for high density un-reactive concretes.
- High speed vibrators for low density concretes where a high surface quality is required.
- Designed for continuous use.



## DC Electric Vibrators

### OLI MVE DC Electric Vibrator Range

The MVE DC range of electric motovibrators come in 12 and 24VDC versions

- Vibratory force (Centrifugal force) output from 50Kg to 1500Kg.
- Water tight and Hermetically enclosed.
- Designed for continuous use.



## High Frequency Power Converter for Vibrators

### OLI CM Electric High Frequency Converter

Concrete High Frequency Vibrators need to be powered with 3 Phase electricity at a low voltage. To achieve this the OLI CM Converter range uses an electromechanical rotor and a generator to achieve the required voltage and frequency.

They are designed to supply simultaneously and in a continuous cycle to one of more vibrators. They are reliable and do not require maintenance.



## High Frequency Electric Concrete Consolidation Vibrators

### OLI High Frequency Electric Concrete Consolidation Vibrators

Filquip is a supplier of High Frequency Electric Vibrators for concrete consolidation. High speed vibration (6000 VPM) is used for applications where a high surface quality is required.

- Vibratory Force (Centrifugal Force) output from 294Kg to 2,600Kg.
- Low speed vibrators for high density un-reactive concretes.
- High speed vibrators for low density concretes where a high surface quality is required.
- Designed for continuous use.



## Electric Vibrator Mounting Brackets

### OLI Electric Vibrator Brackets CLS, CLW and CRS

Vibrator clamps and cradles are ideal for positioning vibrators on formwork in permanent locations while still being able to detach the vibrator and move it between forms, saving costs on vibrators.

- CLW series as a clamp for wooden form works.
- CLS series as a clamp for steel form works.
- CRS series as a weld-on cradle for steel concrete moulds.



# High Frequency Pneumatic Concrete Consolidation Vibrators

## OLI Pneumatic Concrete Consolidation Vibrators HFP

Filquip is a supplier of high speed pneumatic vibrators for concrete consolidation. They have no electrical components and run at very high vibrations speeds (10,000 – 17,000 VPM)

- Vibratory force (Centrifugal force) output from 720Kg to 6,118Kg.
- Low frequency vibration for large aggregate concrete.
- High frequency vibration for concrete with fine granules.
- No electrical components, only air required.



## Pneumatic Vibrator Formwork and Mould Brackets

### OLI Pneumatic Vibrator Brackets CLS, CLW and CRS

Pneumatic Vibrator clamps and cradles are ideal for positioning vibrators on formwork in certain locations while still being able to detach the vibrator and move it between forms, saving costs on vibrators.

- CLW series as a clamp for wooden form works.
- CLS series as a clamp for steel form works.
- CRS series as a weld-on cradle for steel concrete moulds.



## Electric Concrete Pokers

### OLI Concrete Pokers & Converters

Filquip supplies a range of high frequency internal concrete pokers and converters. The VN range is the standard line and the VNP range is a professional line.

- Both ranges come with 5m protection hose, 10m electric cable and ABS hand switch.
- Available in electronic high frequency vibrator EVO models.
- High frequency vibrator converters available in Single outlet – single phase, Dual outlet – single or three phase and Three outlet – three phase.





## Silo and Hopper Aerators - Mushroom Type

### OLI Vibrating Aerators VBS

Vibrating aerators with their special design provide direction air flow to improve product flow by cutting material away from the walls of the silo, hopper or bin and pushing it to the desired outlet.

- Available in micro size: Working pressure from 0.8 – 2 bar.
- Available in standard size: Working pressure from 0.8 – 6 bar.
- Available in Aluminium, Stainless steel, High temperature and Metal detectable versions.



## Silo and Hopper Aerators External Mounting Kits

### OLI Fluidiser External Mounting RP Kits

The RP external mounting kit is great mounting fluidisers in applications where internal silo access is difficult or impossible.

- The plate is made from Stainless Steel.
- Size: 192.5mm x 120mm.
- Cut out size: 162.5mm x 67mm.



## Silo and Hopper Fluidisers - Diffusion Type

### OLI Fluidiser Nozzels U-Series

Fluidisation nozzels provide fluidising air to silos and bins where the inside of the container cannot be accessed. They are a diffusion type for a low constant aerating effect.

- Available in U025 Size with air fluidisation of 0.05m<sup>3</sup>/h at 0.2 Bar pressure.
- Available in U060 Size with air fluidisation of 1.8m<sup>3</sup>/h at 1 bar pressure.



## Ball Pneumatic Vibrators

### OLI S-Type Ball Pneumatic Vibrators

The S-Type pneumatic ball vibrator generates a low amplitude high frequency vibratory force and are particularly efficient with fine powders and granular materials. They are available in 8 sizes.

- Vibratory force (Centrifugal force) output from 15Kg to 405Kg.
- Vibration frequency adjusted by air pressure, 2 – 6 Bar.
- Maintenance free design, Comes with silencer and air nipple.
- Compliant with ATEX EX II 2DG cT(x), suitable in explosive environments.
- Suitable for use in Hazardous Areas in Australia.

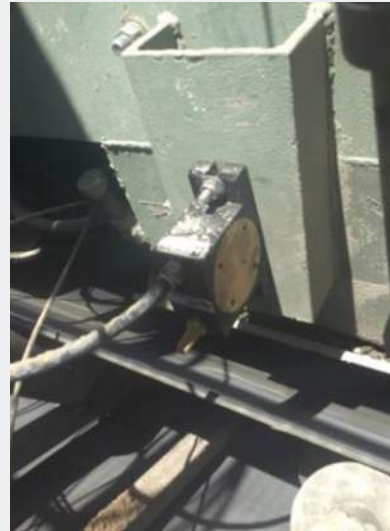


## Roller Pneumatic Vibrators

### OLI OR-Type Roller Pneumatic Vibrators

The OR-Type pneumatic roller vibrator generates a high frequency vibratory force with low air consumption and are particularly efficient in compaction and separation. They are available in 4 sizes.

- Vibratory force (Centrifugal force) output from 188Kg to 783Kg.
- Vibration frequency adjusted by air pressure, 2 – 6 Bar.
- Maintenance free design, Comes with silencer and air nipple.
- Compliant with ATEX EX II 2DG cT(x), suitable in explosive environments.
- Suitable for use in Hazardous Areas in Australia.



## OT-Type Turbine Pneumatic Vibrators

### OLI OT-Type Turbine Pneumatic Vibrators

The OT-Type pneumatic turbine vibrator generates a high frequency vibratory force at a high frequency and amplitude even with low air operating pressure. They are available in 12 sizes.

- Vibratory force (Centrifugal force) output from 110Kg to 754Kg.
- Vibration frequency adjusted by air pressure, 2 – 6 Bar.
- Maintenance free design, Comes with silencer and air nipple.
- Compliant with ATEX EX II 2DG cT(x), suitable in explosive environments.
- Much quieter than the other pneumatic vibrators – they hum in operation.
- Suitable for use in Hazardous Areas in Australia.



## Pneumatic Cushioned Linear Vibrators

### OLI F-Type Pneumatic Cushioned Linear Piston Vibrators

The F-Type pneumatic piston vibrator generates vibratory movement with wide amplitude oscillations and are particularly efficient in screening and conveying. They are available in 5 sizes.

- Vibratory force output from 1Kg to 215Kg.
- Vibration frequency adjusted by air pressure, 2 – 6 Bar.
- Maintenance free design, Comes with silencer and air nipple.
- Compliant with ATEX EX II 2DG cT(x), suitable in explosive environments.
- Suitable for use in Hazardous Areas in Australia.



## Linear Internal Piston Pneumatic Vibrators

### OLI K-Type Linear Internal Piston Pneumatic Vibrators

The K-Type linear piston pneumatic vibrator is light and compact while producing directional vibrations. They are particularly efficient in compacting and detaching solids. They are available in 5 sizes.

- Vibratory force (Centrifugal force) output from 2.8Kg to 141Kg.
- Vibration frequency adjusted by air pressure, 2 – 6 Bar.
- Maintenance free design, Comes with silencer and air nipple.
- Compliant with ATEX EX II 2DG cT(x), suitable in explosive environments.
- Suitable for operating temperatures up to 200°C.
- Suitable for use in Hazardous Areas in Australia.



## Pneumatic Impact Vibrators

### OLI P-Type Pneumatic Impact Vibrators

The P-Type Linear Piston Pneumatic Vibrator is able to generate extremely high impact forces and are particularly efficient at breaking crusts, bridges or rat holes on silos, hopper and pipes. They are available in 3 sizes.

- Vibratory Force (Centrifugal Force) output from 294N to 3,250N.
- Vibration frequency adjusted by air pressure, 2 – 6 Bar.
- Compliant with ATEX EX II 2DG cT(x), suitable in explosive environments. Suitable for operating temperatures up to 200°C.
- Suitable for use in Hazardous Areas in Australia.





## Magnetic Vibrator Mounting Bracket

### FILQUIP MagBase

The Filquip MagBase allows the user to apply vibration from an OR100, OT36S, OT36, OT30, S36 or S30 Pneumatic Vibrator to any ferromagnetic metal (Iron, Steel, Cobalt, Nickel).

- Strong rare earth magnets hold the vibrator to the wall of the bin, hopper, silo or frame.
- Great for testing the optimal position to mount a vibrator before permanent installation.
- Ideal for moving around concrete moulds as they are easily detachable.



## Vibrator Mounting Plates and Mounting Channel Sections

### FILQUIP Vibrator Mount Plates and Channel

Filquip has a range of vibrator mounting channels and plates with pre-set studs to suit a range of Oli vibrators.

When Stitch welded to the silo, hopper or bin they make the installation of Oli Vibrating products simple.



## Filter Regulators, Solenoids, Airline and Fittings

### Filter Regulators, Solenoids, Airline and Fittings

Filquip supplies the following air supply equipment and instrumentation for a fully operational pneumatic vibrator system.

- UV stabilised nylon Airline from 6mm to 16mm (Standard 12mm size).
- Push in fittings for all airline sizes with connections from 1/8" to 1/2".
- Various styles of swivel bends, swivel tees, straight connectors and union tees for airline plumbing.
- Filter regulators, gauges, mounting brackets and shut off valves in 1/4", 3/8" and 1/2" fittings.
- Solenoids in 2/2, 3/2 and 5/2 configuration for air control in any voltage (Typically 24VDC, 24VAC, 240V & 110V).



## Electro-Pneumatic Silo/Hopper/Bin Hammers

### OLI Martshock PS Electro-Pneumatic Hammers

Martshock PS Electro-Pneumatic Hammers deliver a "hammer strike" type impact to impart mechanical energy to the walls of a silo, cone, hopper or truck body to dislodge the product. They are available in 3 sizes.

- Imparts an impact energy of 4.2J to 153J.
- Can be retrofitted without drilling the wall or emptying the bin.
- Timer cards are available for hammer control. Electric, Pneumatic or Remote control available.



## Electro-Pneumatic Hammer and Air Blasts

### OLI Picjet PJ Electro-Pneumatic Hammer Blasts

Picjet PJ Electro-Pneumatic Hammers deliver a "hammer strike" type impact and compressed air jet to the walls of a silo, cone, hopper or truck body to dislodge the product. They are available in 3 sizes.

- Imparts an impact energy of 4.2 to 153J.
- Suitable for products that bridge and/or are hygroscopic.
- Timer cards are available for hammer control. Electric, pneumatic or Remote control available.



## Pneumatic Air Cannons

### OLI Gunjet PG Air Cannons

Gunjet PG Air Cannons deliver a blast of air to the walls of a silo, cone, hopper or truck body to dislodge the product and can be suitable for rectangular bins or operations where hammering and vibration is unsuitable. They are available in 3 sizes.

- Imparts an impact energy of 3J to 153J.
- Can be retrofitted without emptying the bin.
- Timer cards are available for air blast control. Electric, Pneumatic or Remote control available.



# Hydraulic Vibrators

## OLI Hydraulic Vibrators

The MVO850 Hydraulic Rotary Vibrator generates very low amplitude high frequency vibration where a hydraulic circuit is available. The Oli Hydraulic Vibrators are robust, compact and easy to install on any equipment.

- Designed for use on Truck Trailers and large hydraulic plant and equipment.
- Suitable for clays, fertilisers, granules, powders, manure, sludge and aggregates.
- Vibratory Force (centrifugal force) up to 830kg.
- Vibratory Force is adjustable relative to the working fluid pressure.
- Working pressure from 15 bar to 300 bar (217 PSI to 4,350 PSI).
- Vibration speeds from 700 RPM to 6,000 RPM (2.24L/min @ 700 RPM, 9.6L/min @ 3,000 RPM & 19.2L/min @ 6,000 RPM).
- Maximum noise level 80 dBA.



# Flanged Vibrators

## OLI Flanged Vibrators

The Oli range of flanged electric vibrators are designed with specific models for circular sieves and vibrating machines as well as models for horizontal or inclined vibrating machines.

- Centrifugal forces from 200kg to 4,500kg for circular sieving, 2,500kg to 12,500kg for horizontal and inclined vibrating screens.
- 2, 4 or 6 pole three phase motor.
- Premium lifetime sealed bearings.
- Adjustable Centrifugal force.
- ATEX ExII3D Rated with FEMA designed frame.



# Foot Mounted Vibrators

## OLI SV Foot Mounted Vibrators

The Oli SV foot mounted vibrators are ideal for quarry, mining, oil and gas applications.

- No Crossbeam required as the SV body works as the cross beam itself.
- The size 75A and 75D are designed to retrofit existing vibrating machines using vibrating motors made by Derrick® Screen Vibrators.
- Adjustable Centrifugal force.
- IP66 protection rating.
- Direct Vibration - Designed to exert its centrifugal force much closer to the screen walls than traditional foot mounted electric vibrators fitted on a support crossbeam.





# Industrial Mixers and Blenders

## MAP Ploughshare, Paddle and Ribbon Mixers and Blenders

Within the MAP range of mixers supplied by Filquip a solution can be provided for any batch or continuous mixing project.

- Batch ploughshare mixers with capacities from 75 to 15,000 L/Batch.
- Continuous ploughshare mixers with capacities from 2 to 450m<sup>3</sup>/hr.
- Batch ribbon blenders with capacities from 75 to 15,000 L/Batch.
- Continuous ribbon blenders with capacities from 75 to 15,000 L/Batch.
- Batch twin paddle shaft mixers with capacities from 120 to 3,600 L/Batch.



## Dust Conditioners

### MAP Dust Conditioners

The Wetdust and Dustfix dust conditioners provide an economical solution for conditioning industrial dusts.

- Throughput rates up to 80m<sup>3</sup> per hour.
- Suitable for dust recycling, storage or disposal.
- Developed for handling the most abrasive industrial quarry dusts.
- Rotor shaft is modular with replaceable conditioning tools.
- Dust conditioning chamber manufactured from special non-stick anti-wear SINT engineering polymer.



## Submersible Agitators and Mixers

### SPECO Submersible Agitators and Mixers

Filquip offers a range of sizes for Submersible Agitators and Mixers. Submersible type mixers are typically used in slurry processing, livestock waste, biogas and civil/industrial effluent processing plants.

- Providing efficient mixing and blending up to 40m tank length.
- Drive power options from 1.5kW to 7.5kW depending on tank/pit size agitation requirements.
- High performance mechanical seals are included as standard along with a leakage sensor.
- Economical purchase price.
- Low running costs and simple maintenance.
- Wide range of mounting options and accessories available.



# Concrete Reclaimers and Aggregate CONSEP

## WAM Concrete Reclaimers CONSEP

The CONSEP concrete reclaimer system is used for the recovery of sand, aggregate and wash water from concrete trucks, mixers and pumps.

- Up to 20m<sup>3</sup> / hr of diluted concrete can be reclaimed per unit.
- Separation of solid fines down to 0.15mm.
- Available in T Shape, L Shape and H Shape configurations to accommodate use by up to 4 trucks at once.
- Additional classifier available to further segregate reclaimed solids by size into sands and aggregates.

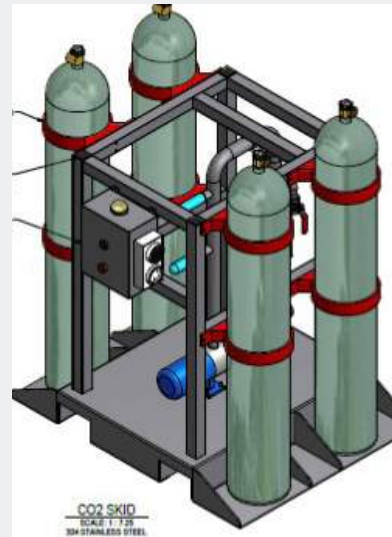


# PH Neutralisation System for Waste Water

## CO2 PH Neutralisation System

The CO2 PH neutralisation skid uses a sparging system to neutralise high alkali (High PH) waters contaminated with Calcium Hydroxide from cement and concrete processes.

- Neutralisation of water from up to PH 13 down to between 6.5 - 7.5.
- Allows reuse of high alkali water from the concrete batching process.
- Creates a self-buffering reaction (PH cannot drop below 6.5).
- Requires no handling of hazardous liquids.

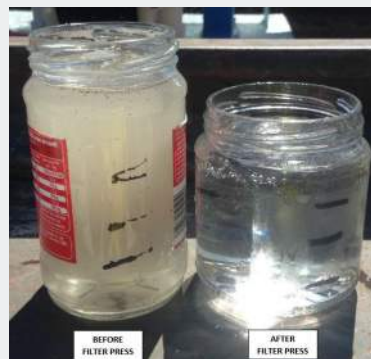


# Filter Presses for removing fines from Waste Water

## Filter Presses

Filquip is a supplier of filter press systems including manual, semi-automatic and automatic operation models. The filter press allows solids / liquids separation of suspended fines with recovery of the dry solids product in the form of pressed cake plates.

- Pressing force up to 20 MPa to avoid leakage.
- Up to 120 m2 of filter area.
- Filquip is a supplier of filter press cloths in many varieties and sizes.



## Rotating Drum Screens (Pre-MBR)

### SAVI Rotating Drum Screens

Filquip offers a range of rotating drum screens including Pre-MBR screens.

- VSA fine drum screens are available for channel widths from 600 to 3,000mm with wedge wire, perforated plate or mesh media openings from 0.5 to 10mm.
- VSA Pre-MBR fine drum screens are available for channel widths from 600 to 3,000mm with perforated plate openings in 1, 1.5, 2 and 3mm sizes, with a triple face seal.
- Systems can be channel mounted or tank mounted and have optional sliding aluminium or stainless steel covers.
- Internal Fed and Externally fed industrial Rotary Screens are also available.



## Screw Screens and Screw Separators

### SPECO Screw Screens

Filquip offers a range of Speco screw screens for in-channel, in-tank or connecting pipework applications.

- The GCP in-channel screw screen provides solids extraction from the waste water stream at a flow rate up to 270 L/S in channel sizes between 300 to 850mm.
- The GCPC pipework flow screw screen provides solids extraction from the waste water stream at a flow rate up to 270 L/S with Inlet pipe sizes between 200 – 350mm diameter.
- The CPS Solids dewatering screw compactor can achieve up to a 40% reduction in screenings volume while de-watering, compacting and conveying all in the one unit.
- Available in Stainless steel 304 or 316.



## Solids-Liquids Separators SEPCOM

### SEPCOM Solids-Liquids Separators

Filquip offers a range of Solids-Liquids Separators including the SEPCOM unit specifically designed to dewatering Animal manure, Fruit/Vegetable waste and Biogas digestate.

- Suited to Cattle Manure, Pig Manure, Bio Digestate, Fruit, Vegetable and Slaughter Wastes.
- Separates the slurry into re-useable water and solid phases, the solid phase can be used as a fertiliser.
- Separating solids from the liquid solves the problem of nitrates and phosphates entering the groundwater.
- Available in screen sizes down to 250 micron for throughput rates up to 65m<sup>3</sup> / hr.





## Grit Separators, Grit Classifiers & Sand Washers

### SPECO Grit Separators, Grit Classifiers & Sand Washers

The grit separator controls the flow of the waste water to allow sedimentation of the sand and grit from the stream. The screw conveyor then discharges the grit through the upper outlet.

- Flow rates up to 10L/s.
- Solids through put up to 1.29 m<sup>3</sup> / hr.
- Available in fluid dynamic model for sand separation down to 200 micron.

Sand washers separate the sand contained in waste water and wash it to reduce the quantity of organic particles.

- Available in 3 sizes with flow rates up to 30L/s.
- 97% Organic separation efficiency.



## Screw and Screenings Compactor

### SAVI Screw Compactor / Screenings Compactor

Filquip offers a range of screw compactors and screenings washer/compactors for industrial and municipal waste water treatment.

- The shafted washer compactor can reduce screenings by up to 65% of their volume at a flow rate up to 6m<sup>3</sup>/hr.
- Available in Stainless Steel 304 or 316.
- Bagger option available.



## Liquid Filters and Vessels

### Liquid Filters and Vessels

Filquip supplies a large range of liquid filters including needle felts, nylon strainer mesh and metal strainer mesh. P1, P2, P3 & P4 Pong filter bag types available in a Polyloc top or Steel ring configuration.

Filquip supplies liquid filter housings in Polypropylene, Carbon steel, Stainless steel 304 & 316 as well as Titanium and Hastelloy C options.





“Specialists in Materials Handling and Processing Technology”

Visit us at [www.filquip.com.au](http://www.filquip.com.au)

Phone: +61 7 3208 3499  
Fax: +61 7 3208 3449  
Email: [sales@filquip.com.au](mailto:sales@filquip.com.au)

5/126 Compton Road  
Underwood QLD 4119

PO Box 3043 Logan DC  
QLD 4114 Australia

