



### Simplify your validation process with a Russell Finex Documentation Pack

Russell Finex documentation packages are the most comprehensive available, providing full certification for validation including design, manufacture, installation, operation and performance qualifications.

FDA approval for your processes and plants require this level of documentation which is in accordance with the latest cGMP requirements. This saves you time and resources when validating equipment. Our packages include; full traceability of parts, FDA letters, certificates of conformity, surface roughness measurements of contact parts, test inspection protocols, as-built drawings and any other documentation you may require.



### Full after market support

We understand the importance of post purchase support and pride ourselves on the quality of our after market service to ensure your Compact Airlock Sieve is always performing to the best of its ability. We provide high quality mesh assemblies and all your other spare parts requirements. We achieve this through our own production facilities which ensures rapid delivery and extremely competitive pricing.

# Introducing... The Russell Compact Airlock Sieve pat. pending adding a new dimension to screening technology for the Pharmaceutical Industry



Replaces manual clamps with unique validatable TLI clamping system

- Safeguard your reputation
- Improve your product quality
- Improve the health and safety of your operators
- Reduce your cleaning down time

Russell Proven Technology made even more effective through working closely with our customers

Worldwide Leaders in Fine Mesh Separation



Below are a small selection of pharmaceutical companies that are using Russell equipment.

AAI International, Abbott Laboratories, Apotex, Astra Zeneca, Aventis, Barr Laboratories, Boots plc., Bristol Myers Squibb, Ceutech, Cipla, Eli Lilly Pharmaceutical, Far-Manguinhos, Faulding, Glaxo Smithkline, Geneva Pharmaceutical, Klinge Pharma, L'Oreal, Lever Faberge, Max Factor, Merck Sharp & Dohme, Mylan Pharmaceuticals, Novartis, Novopharm, Patheon, Pfizer, Pharmacia, Proctor & Gamble, Quintiles, Roche, Schering - Plough, Solvay, SPI, Warner Lambert, Watson Pharmaceutical, Welch Laboratories, Wyeth.

Call us today to find out how the Compact Airlock Sieve and our 70 years of experience can help solve your processing problems and transform your productivity.



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# The Compact Airlock Sieve...

## Improves your product quality

- Eliminates contamination from your powders
- Reduces the chance of cross contamination between batches
- Reduces the loss of good product

## Improves operator health and safety

- Offers excellent product containment, reducing OEL levels
- Reduces noise - typically as low as 65dBA
- Complies with the new ATEX legislation in Europe

## Reduces your cleaning down time

- Simple to dis-assemble in seconds without the need for tools, just twist and unlock
- Crevice-free and smooth surfaces make the product contact parts very easy to clean
- Fully washable

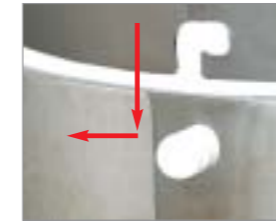
The new Compact Airlock Sieve, with its pneumatic clamping system (pat. pending), is the first real advance in pharmaceutical screening technology for a decade. This unique **TLI** system gives large improvements in product containment and operator health and safety.

With your powders safely contained, the screener accurately removes any contamination and therefore improves your product quality and safeguards your reputation. The cGMP design of the screener is based on clean lines, making sanitation easier and performance greater.



## Improve your product containment

with the unique **TLI** airlock clamping system - simply Twist, Lock, Inflate



The lid has bayonet cut-outs which slip over the buttons on the base. The lid is then rotated to lock in position.

The seal is inflated, locking all the components in place and protects against dust leakage.



## Protect powders anywhere in your process

The Compact Airlock Sieve fits neatly into any part of your production process, providing considerable screening capacity even when headroom is restricted. Its innovative design means that the screener is less than half the height of a traditional sieving machine.

It is ideal for check screening incoming ingredients on the primary side right through to finished powders on the secondary side of your production facilities.

The Compact Airlock Sieve is available with a range of options, including; **different materials of construction, different grades of finish, increased safety motors, mesh debinding systems and many more.**

## Meeting your needs

At **Russell Finex** we are committed to working closely with pharmaceutical customers around the world, supplying solutions to your problems and keeping up to date with changes in legislation that affect the industry.

We help you select the right specification with complete peace of mind, right from our pre-purchase testing facilities to our after market support.

Over the last 70 years we have solved the screening problems of almost every pharmaceutical company in the world. We often provide custom-made solutions, re-designing or modifying our standard sieves at our own high quality ISO 9001 accredited manufacturing facilities.

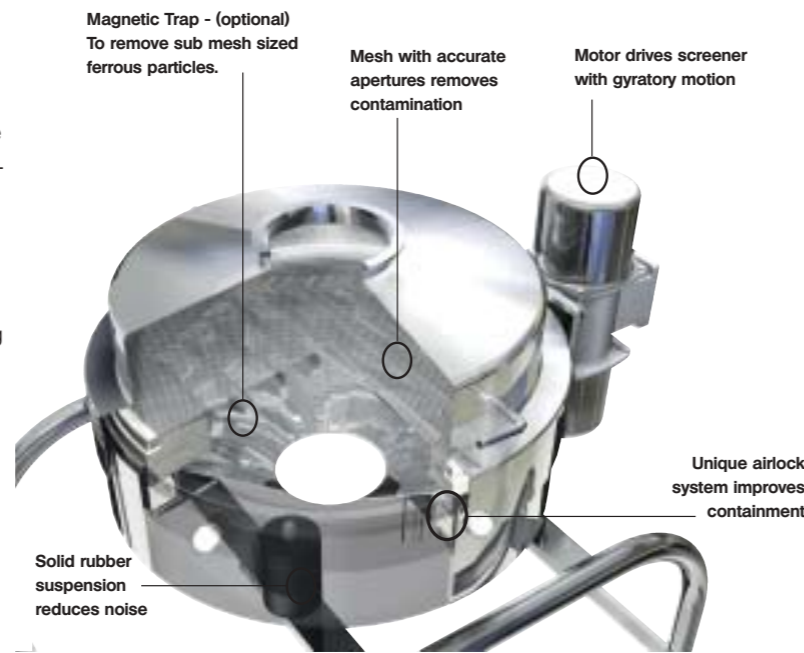
## Simple and effective operation

The design of the Compact Airlock Sieve is simple but very effective. Oversize contamination is accurately removed by the mesh screen fitted to the unit, while your good product passes through the mesh and on to the next stage of production.

The unit is clamped together with the revolutionary **TLI** airlock system. This pneumatic lock gives an even and high clamping force across all sealing faces and therefore guards against powder leakage more effectively than traditional band clamps or over-centre toggle clamps.

Assembly of the screener is achieved in seconds. You simply place the component parts into the base and locate them by twisting and locking the lid - no need for tools. The air clamp is then inflated to secure and seal the unit during operation.

Also, to assist with FDA process approval, this pneumatic clamping system can be validated to provide a unique and quantifiable seal.



## Options - enhance your screener further with the following optional extras....



Outlet to remove oversized contamination



Cover to completely enclose the drive motor



Mesh frames bonded with glue tested to FDA 175.300



Spray ball systems to wet toxic powders before strip down

## The Russell Vibrasonic® 2000 Mesh Deblinding System

The Russell Vibrasonic Deblinding System can be combined with the Compact Airlock Sieve to eliminate mesh blinding and allow sieving of difficult powders.

The Vibrasonic System applies an ultrasonic frequency directly to the sieve mesh. This breaks down the surface tension, effectively making the wires friction-free. Without surface tension there is no mesh blinding, giving increased throughput and consistent product quality.

- Gives longer mesh life since there is no harsh abrasive mechanical action on the mesh to impair tension and cause wear
- Reduces cleaning frequency as mesh remains cleaner and unblocked longer
- No need for scrapers, brushes or rubber balls, therefore you eliminate the contamination caused when they wear out
- Explosion-proof/flame-proof systems available, including ATEX approval, Zone 20 for Europe

