

Russell Finex...



Leaders in Fine Mesh Separation

We at Russell Finex have improved our dust-free, enclosed sieving systems to meet the high standards and demands of the pharmaceutical industry.

Product Containment

A considerably enhanced package is now available for each sieving system including vastly improved surface finishes, easier to clean contact parts, enclosed systems assisting you in meeting product containment levels.

Documentation Packages

Our Russell documentation packages are the most comprehensive available in the industry. This gives you full certification for validation including design, installation, operation and performance qualifications. They can assist you in obtaining FDA approval for your processes and plants and are in accordance with GMP requirements. This will save you time and the resources required to validate the equipment.

The following sieving systems are available for your specific needs; each is available for you to trial either at our purpose built testing facilities or on your site.

Russell Compact Sieve



The compact sieve has been designed and developed with the help of our customers to meet your needs.

- Mirror polished and crevice free sanitary finish.
- Manufactured completely from 316-grade stainless steel and all stainless steel contact parts in grade 316L.
- No metal to metal contacting surfaces eliminating abrasion contamination.
- Full earth continuity.
- Extremely quiet operation typically less than 75 dBA
- Quick disassembly of contact parts with no tools.
- A range of oversize discharge outlets can be fitted to ensure a positive coupling to adjoining process equipment.
- The compact design allows the unit to be installed in restricted areas.

Russell Airswept Sieve



The patented Russell Airswept Sieve has been designed to screen your powders at any stage of manufacture. The totally enclosed system can be installed in any vacuum line for pneumatically conveying and check screening in one dust tight operation.

- Sieving rates are vastly improved, vacuum is applied though the vibrating mesh drawing a continuous fluidised stream of powder onto and through the mesh.
- Loading is automatic via a suction wand from either a hopper, sack or bulk storage location.
- Completely enclosed system gives total containment of your product.
- Quick disassembly of contact parts with no tools.
- Used throughout the world by most of the leading pharmaceutical companies.



Russell Clean in Place Sifter



The Clean in Place screener is designed to handle highly sensitive or intravenous drugs, and provides total in-line screening.

- The system is both clean and steam in place. This prevents atmospheric contact with the product while also providing product protection from external contamination
- The system is designed and manufactured to ASME V111 and can withstand pressure ratings of up to 105 psi.
- The compact size of the system makes it ideal for limited headroom areas.
- The enclosed, easy to clean units provide complete operator protection during the processing of toxic and other potent materials - this helps meet COSHH and OSHA requirements as well as minimising occupational health risk to operators.
- All systems are manufactured to meet GMP standards with the option of a wide range of interchangeable meshes.

The Russell Vibrasonic System

The Russell Vibrasonic Deblinding System can be used with any machine to eliminate mesh blockage and increase throughput. The Vibrasonic System applies an ultrasonic frequency directly to the sieve mesh. This breaks down the surface tension, effectively making them friction free. Without surface tension there is no mesh blinding and the technique greatly increases material throughput.

- Designed to be retrofitted into any new or existing vibrating screener or separator.
- Longer mesh life since there is no harsh abrasive mechanical action on the mesh to impair tension and cause wear.
- No need for scrapers, brushes or rubber balls to deblind mesh, therefore you eliminate the contamination they cause as they wear out.
- The Russell Pharmaceutical Probe has all stainless steel contact parts and ensures there is no adhesive exposure to the product.
- Increases production capacity and gives consistency throughout the production run.
- Reduces cleaning frequency as mesh remains cleaner and unblocked longer.



Absolute Safety

Now our customers working in hazardous areas are also able to take advantage of the benefits of Russell Vibrasonic technology, as the probe is also available in an up-graded explosion-proof version. This complements the explosion proof motor and fully enclosed sieving systems giving you absolute safety.

Russell '3 in 1' System



The Russell '3 in 1' system is designed for low level bag emptying and screening in one simple system.

The innovative system features a low level sack emptying station with dust-hood. The dust-hood can be connected to any existing in-house dust extraction system and a bag compacter can be fitted to further reduce dust levels.

The '3 in 1' system also features a Compact 600 sieve with a magnetic trap. This is seated underneath the mesh to catch ferrous particles that are smaller than the mesh size.

It is ideal for check screening of bagged raw materials and is adaptable to be linked to any proprietary mechanical/vacuum system, for moving the sieved material through a "hygiene break", wall or "through the floor" gravity discharge.



Russell Finex Range



The Finex 22 sieve has been used in the pharmaceutical industry for many years and is ideal for check screening raw materials before formulation to remove any possible contamination.

- Available in several sizes - 22", 36", 48"
- Easy to clean, streamlined base
- Fully 316 stainless steel construction
- Quick to strip down
- Mobile
- Batch or continuous operation
- Also suitable for grading and sizing
- Optional magnetic trap
- Standard totally enclosed or explosion proof motors

Let Russell Finex solve all your processing problems, call today!



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