



Improve your product quality and reduce your costs with the **Russell Finex Liquid/Solid Separator**

This multi purpose machine continuously removes soft and fibrous oversize solids from liquids. The unique action of the separator helps to keep the filtration mesh clear of oversize particles, ensuring unrestricted liquid flow and therefore high productivity.

Established applications:

- Dairy
- Juices
- Starch liquor
- Latex emulsions
- Wool scour
- Effluent



Increases your productivity

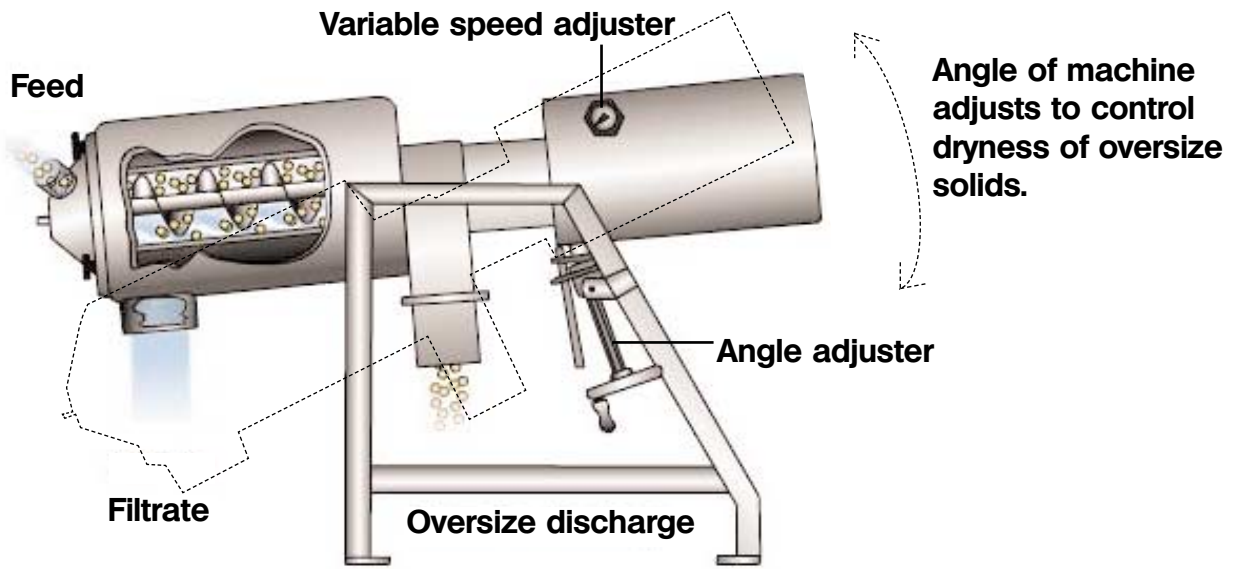
- Capable of handling high flow rates of liquid slurries.
- The flexing action of the mesh gives it a self-cleaning effect to maximise capacity.
- Self cleaning design reduces frequency of strip downs.
- Will out-perform 2x1200 mm (48") diameter vibratory separators on many applications.

Reduces your costs

- Easy to disassemble and clean without tools between batches.
- Reduces the loss of good product.
- Reduces the cost of disposing of effluent streams.
- Small footprint

Operator friendly

- Simple to operate.
- Easy to optimise for most effective performance
- Very quiet in operation.
- One person disassembly.



How the Liquid/Solid Separator works

- Liquid is either gravity fed or pumped into the inlet at the lower end of the machine. From there it passes into a cylindrical mesh basket where a rotating paddle assembly helps the liquid to pass through the mesh by centrifugal force.
- The retained solids agglomerate inside the mesh basket and are moved to the oversize outlet by a helical scroll on the paddle blade assembly.
- Throughput and the degree of dryness of the solids can be controlled with the optional variable speed gearbox and the tilt angle adjustment of the separator body.

Options

- **Spray bars** to keep mesh clear of oversize particles, therefore maximizing liquid flow.
- **Explosion proof motors** for increased safety in hazardous areas.
- **Range of surface finishes** to meet the needs of all industries.
- **Variable speed** for fine tuning to meet specific separation requirements.



Established applications

- **Wool scour**
Fibre removal from wash water
- **Vegetables**
Peelings removal from effluent water
- **Dairy**
Curd fines recovery from whey
- **Starch liquor**
Fibre removal from liquor
- **Latex Emulsions**
Solids removal after reaction process
- **Cider**
Solids removal from apple pulp

Examples of capacities

Material	Aperture size		Capacity	
	µm	approx mesh count	ltrs/ hr	(US) gal/ hr
Curds and whey	40	400	42 000	11 100
Waste water	100	150	100 000	26 000
Wool scour	120	125	20 000	5 300
Wheat starch liquor	100	150	15 000	4 000

Call us today to find out how the Liquid/Solid Separator can help solve your processing problems and transform productivity.

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