

Russell Finex Extends Its Eco Range of Self Cleaning Filters with the Launch of New High Capacity 900 Series

A new range of high capacity self-cleaning filters, designed to provide high volume, continuous production, in particular for applications such as bulk water filtration and other types of liquid processing, and which is capable of handling flow rates of up to 200,000 litres per hour, has been added to the award-winning, high performance Eco Self Cleaning Filter range by The Russell Finex Group.

The new Eco 900 series is also designed to handle high volumes of products such as chemicals, inks, resins, paints, coatings, glues, dispersions, emulsions and suspensions and is capable of filtration levels down to 25 microns.

Its modular design makes the Eco 900 series extremely versatile and allows it to be connected to pipe inlets and outlets up to 8" in diameter, making it capable of handling extremely high volumes where previously multiple units would have been required. In addition to dramatically increasing flow rates, the larger pipe connections also reduce differential pressure across the filter to give more controlled processing.

In common with other models in Russell's Eco range, which recently received a Highly Commended Award from the Filtration Society, the new 900 series is easy to use and has been engineered to high standards using proven Russell technology to provide consistently high product quality and reduced maintenance costs. The new filters fit neatly into existing production lines and are quiet in operation.

A choice of wedge wire or defined hole microscreen filter element is available. The wedge wire screen is particularly well-matched to the requirements of high capacity filtration, while Russell's unique 316 stainless steel microscreen has an aperture which is precisely defined in two dimensions giving exceptional accuracy at filtration levels down to 25 microns.

All Russell screens are re-usable, providing substantial cost savings over the disposable bags and cartridge filters used in conventional units.

A key feature of the Eco filter range is the Spiroklene, a unique spiral wiper assembly which continuously cleans the entire inner surface of the screen.



This has the benefits of removing contamination from the product stream and positively driving away oversize from the filtration area, maintaining a consistent flow rate and keeping differential pressures low.

Constructed from stainless steel, each filter is totally enclosed to protect products from airborne and other contamination and to safeguard the operator's health, while the filter's body can also be jacketed to keep the product at the optimum temperature.

Designed for ease of installation, operation and maintenance, the Eco 900 series is easily dismantled by one person for cleaning. No tools are required for strip-down and product line changeovers can be carried out with minimum delay, resulting in significant savings in labour and downtime. Options include a choice of electric drive or air drive for flameproof environments while a range of units can be supplied for operation at temperatures in excess of 200°C.

For more information, please contact your local sales office.