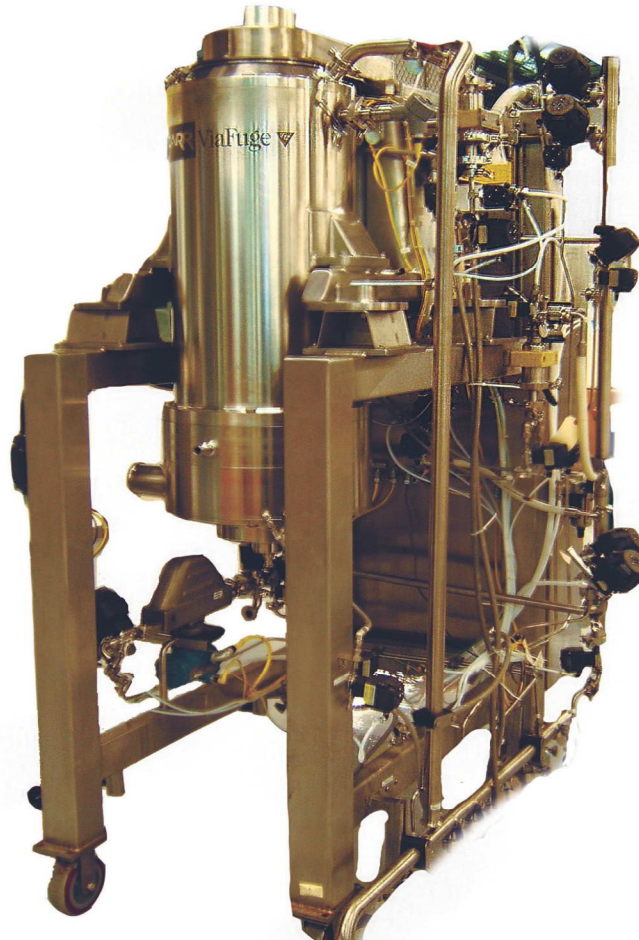




Viafuge® V12



Features

- Unique SoftStream™ low-shear design
- Provides gentle separation with no cell damage
- 99% recovery of intact cells
- 99% reduction of solid load
- Up to 90% reduction in downstream filtration
- 20-fold concentration factor
- Medium-to-high-volume processing
- Flow rates up to 40 liters per minute
- Closed system design CIP/SIP
- Concentrated cells supernatant can be recovered without breaking containment
- Fully automated operation
- Integrates easily into automated processes

Viafuge® V12

PneumaticScaleAngelus' unique Viafuge® V12 Cell Separation System offers a major breakthrough in gentle cell separations, with no damage at medium to large-scale production levels. The continuous flow Viafuge® V12 allows rapid cell harvesting and supernatant clarifications with unsurpassed viability, 99% recovery of intact cells, and up to 90% reduction in filtration needs.

With flow rates up to 40 LPM and a variable speed drive, the Viafuge® V12's versatile performance characteristics enable the optimization of specific applications. Closed system operation allows recovery of concentrated cells and clarified supernatant without breaking containment.

Using an innovative patented design, the Viafuge® V12 introduces feed into the SoftStream™ accelerator through a stationary pipe, where it is accelerated to full rotational speed under low shear before entering the titanium-alloy bowl. Cells are then concentrated along a gentle path between the core and the bowl wall. The clarified supernatant is continuously discharged by gravity at atmospheric pressure. Periodically, the concentrated cells are automatically recovered from the Viafuge® V12 for collection, and the cycle is repeated to process the remainder of the feed batch.

Upon completion of the separation process, automated CIP/SIP cycles may be performed via the PLC-controlled TrueClean™ operating sequence. The Viafuge® V12 facilitates cGMP compliance by offering a simple sanitary design including strategic placement of sprayballs and jets, ASME-rated configurations for steam sterilization and a flexible CIP/SIP software program.

For more information, please contact us at:

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