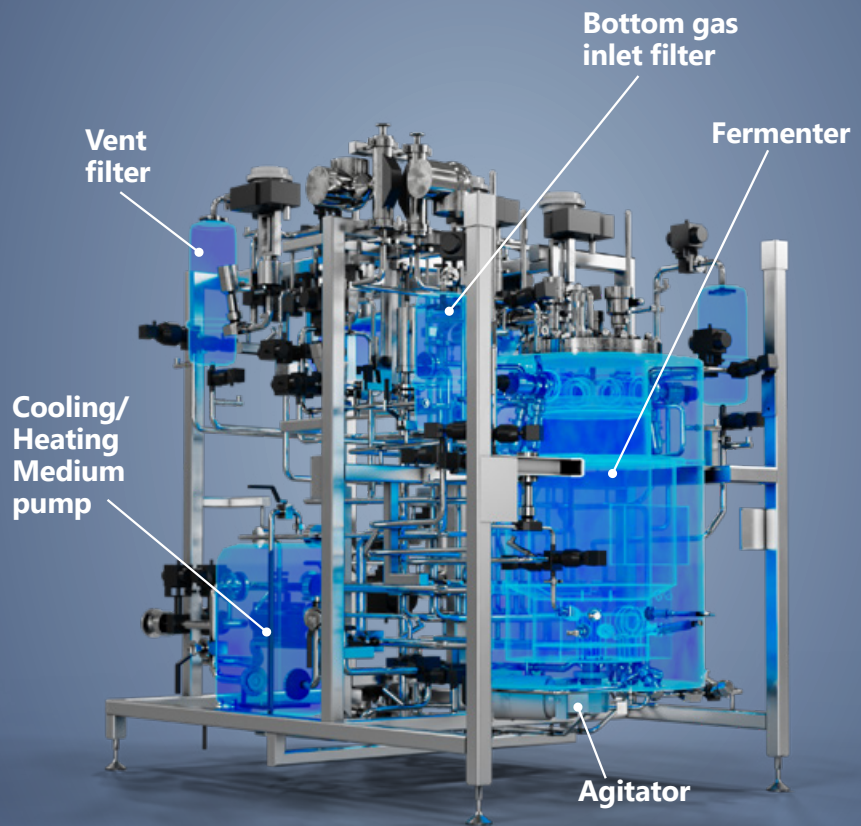


PRODUCT DATASHEET

Mammalian Cell Culture Fermenter Skid

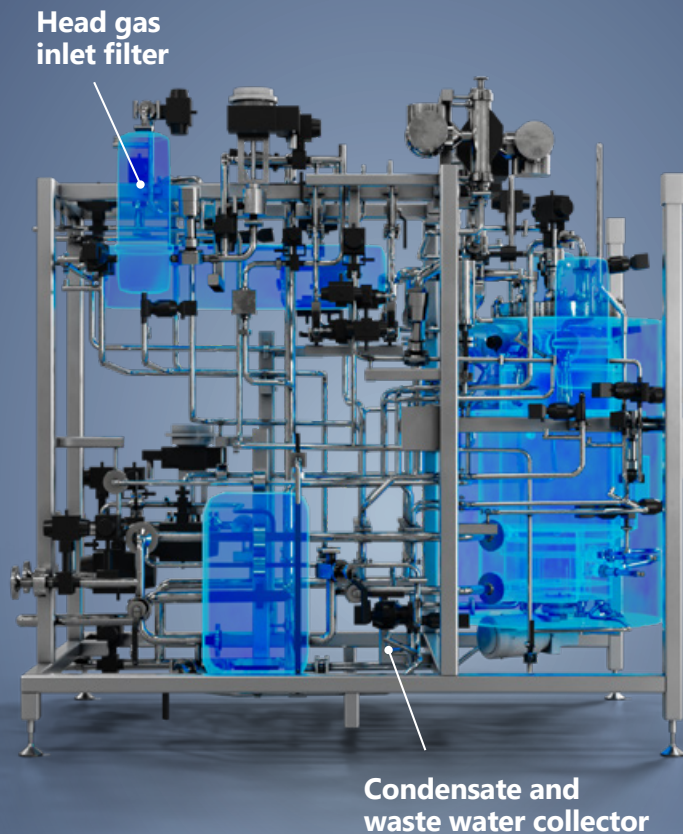
OVERVIEW

The Mammalian Cell Culture Fermenter Skid is a high-performance bioprocessing solution designed for the cultivation of mammalian cells in a controlled and scalable environment. This skid offers exceptional reliability, precision, and flexibility, making it ideal for both development/clinical (main stage) and large-scale production (prestige) fermenter.



TECHNICAL SPECIFICATIONS

- Fermenter working volume (total): 5 - 200 lit
- Footprint dimensions (W x D x H): 1.500 mm x 2.500 mm x 2.500 mm
- Weight (empty): 1.000 - 1500 kg
- Material: Stainless steel (product contacted: UNS S31603)
- Agitator type: Bottom mounted magnetic agitator
- Stirrer type: Elephant Ear 45°, Rushton
- Agitation power (nominal): 0,18 kW
- Agitation speed: 10 to 200 rpm (VFD-controlled)
- Design temperature: -10°C to 150°C
- Design pressure: -1 to +4 bar(g)
- pH range: 2.0 to 12.0
- Liquid inlets: Inoculum, media, CIP, cooling medium, heating medium
- Liquid outlets: Product (fermentation broth), steam condensate, waste water
- Gas inlets: CO₂, O₂, N₂, Air, Pure steam
- Gas outlets: Exhaust air, safety vent;
- Compliance: GMP and FDA compliant



APPLICATIONS

- Mammalian cell culture
- Monoclonal antibody production
- Vaccine development
- Gene therapy
- Cell therapy
- Biopharmaceutical production

BENEFITS

- Enhanced productivity: High cell viability and productivity rates.
- Cost-effective: Reduced operational costs through efficient resource utilization.
- Flexibility: Adaptable to various cell culture processes and applications.
- Ease of use: User-friendly interface and easy maintenance.

KEY FEATURES

- Excellent hygienic design: e-polished product contacted surfaces $Ra < 0,6\mu m$; absolute minimum distance and dead leg design;
- Scalable: Modular design allows for easy scalability from pilot to production scale.
- High efficiency: Optimized for high cell density cultures, ensuring maximum productivity.
- Compatibility: Compatible with a wide range of cell lines and culture media.
- Robust construction: Highest quality stainless steel (UNS S31603), components and construction ensures long-term reliability and performance.
- Advanced control system (optional): State-of-the-art automation and control systems for precise monitoring and regulation of cell culture conditions.
- Modular and customizable configuration



CONTACT INFORMATION

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