

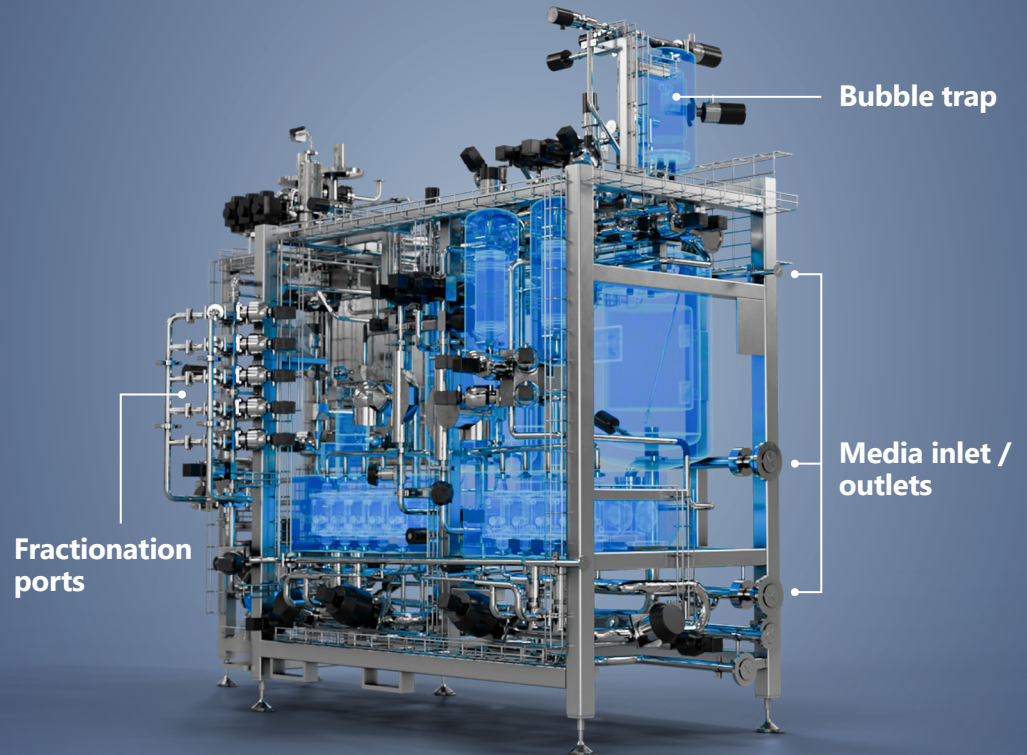
# PRODUCT DATASHEET

## Chromatography-Skid

### OVERVIEW

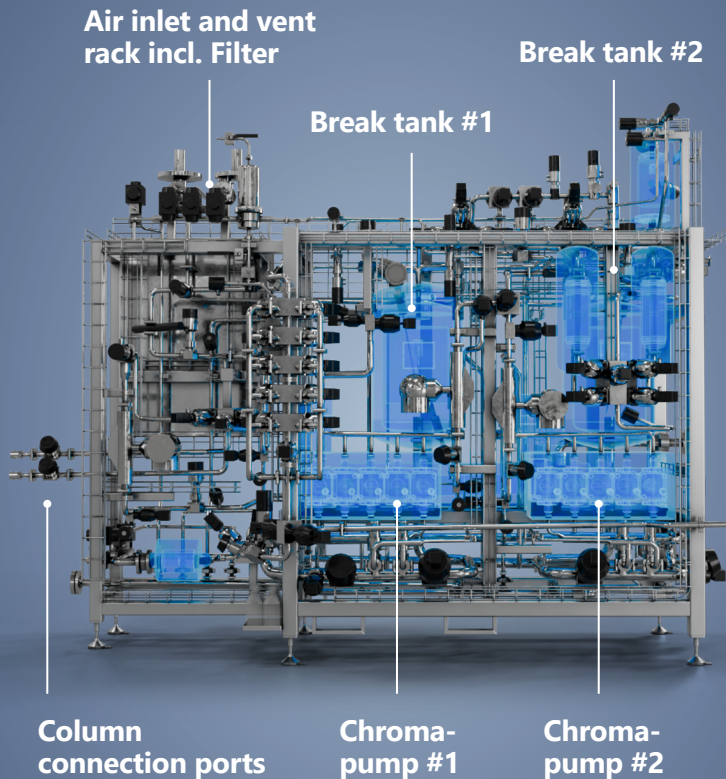
The proXima Chroma-Skid for gradient processing is a high-performance bioprocessing solution designed for downstream processing of cell culture, monoclonal antibodies, and recombinant protein applications in a controlled and scalable environment. This skid offers exceptional reliability, precision, and flexibility, making it ideal for several production chromatography processes (e.g. capture/protein A chromatography, ion exchange (IEX), and hydrophobic interaction chromatography (HIC), among others.





## TECHNICAL SPECIFICATIONS

- Number of loops: 2 - 3
- Break tank working volume: 30 – 50 L
- Footprint dimensions (W x D x H): 1.000 mm x 2.600 mm x 2.400 mm
- Weight (empty): 1.250 – 1.400 kg
- Material: stainless steel (product contacted: UNS S31603)
- Maximum volumetric flow rate: 2.000 L/h
- Minimum volumetric flow rate: 50 L/h
- Dosing accuracy (repeatable):  $\geq 98\%$
- Pump type: hygienic multi-head diaphragm dosing pumps
- Pump power (nominal): 1,1 kW x nr. of loops
- Number of fractionation outlets: 8-16
- pH range: 2.0 to 12.0
- Design temperature:  $-10^{\circ}\text{C}$  to  $135^{\circ}\text{C}$
- Design pressure: -1 to +7 bar(g)
- Product inlets/outlets: connections for single-use bags or fixed tubing
- Media connections: CIP, NaOH, WFI/PW, buffer, cooling media, clean steam, condensate, wastewater
- Gas inlets: compressed air, exhaust air
- Compliance: Fully GMP and FDA compliant



## APPLICATIONS

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

## BENEFITS

- Enhanced productivity: high throughput and efficiency
- Cost-effective: reduced operational costs through optimized resource use and multi-functionality
- Flexibility: adaptable to various 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 gradient processing
- Compatibility: compatible with a wide range of cell lines and culture media.
- Robust construction: high-grade stainless steel (UNS S31603) and durable components ensure long-term reliability and performance
- Versatile: useable for several different applications (e.g. capture/protein A chromatography, IEX chromatography, HIC chromatography)
- Flexible integration: product feed and fractionation possible via connected single use manifolds/bags or via fixed tubing
- Advanced automation: state-of-the-art control system for precise monitoring and regulation of chromatography conditions
- Modular and customizable configuration



## CONTACT INFORMATION

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