



Energizing Pharma

GEA Pharma Separator skids –
for highest hygienic demands and
utmost variability for your process

The new expert portfolio

GEA Pharma Separators aseptic

GEA Pharma Separators pure



Discover GEA Pharma Separators aseptic and pure

Only available from GEA: The world's first expert portfolio of separation skids to give you utmost flexibility and efficiency.

The next era of separation

Uncompromised hygienic design, reliability and high yield are essential – but every production task and manufacturing operation is different.

GEA experts have transformed decades of centrifugal separation experience into a new, complete selection of plug & produce pharma separator skids – infinitely adaptable to take all pharma customers to the next level.



What you can achieve with GEA



GEA technologies keep energizing production for leading pharma and downstream biotech operations.

Perfect products

Transform your ideas into the best products possible for you. GEA's decisive approach to gentle, exact separation ensures finest, reproducible results.

Safe processes

Safeguard your operation against hazard and contamination. GEA protects your future with SIP/CIP and biocontainment concepts at the forefront of progress.

Process efficiency

Benefit from our process know-how for your application and state-of-the-art, automated process control.



Unlimited selection

Two separator lines

Three bowl types

Four model sizes



Two separator lines to fulfill every hygienic requirement

Two comprehensive and sophisticated GEA Pharma Separator lines are breaking new ground – always tailored to the respective customer process.



GEA Pharma Separators aseptic

With the pharma separator line aseptic, GEA offers manufacturers a new level of performance, clean room protection, validation and cleanability.

Equipped for SIP – highest hygienic demands.





GEA Pharma Separators pure

The new pharma separator pure line ensures machines that are equipped exactly to your needs with numerous combination options.

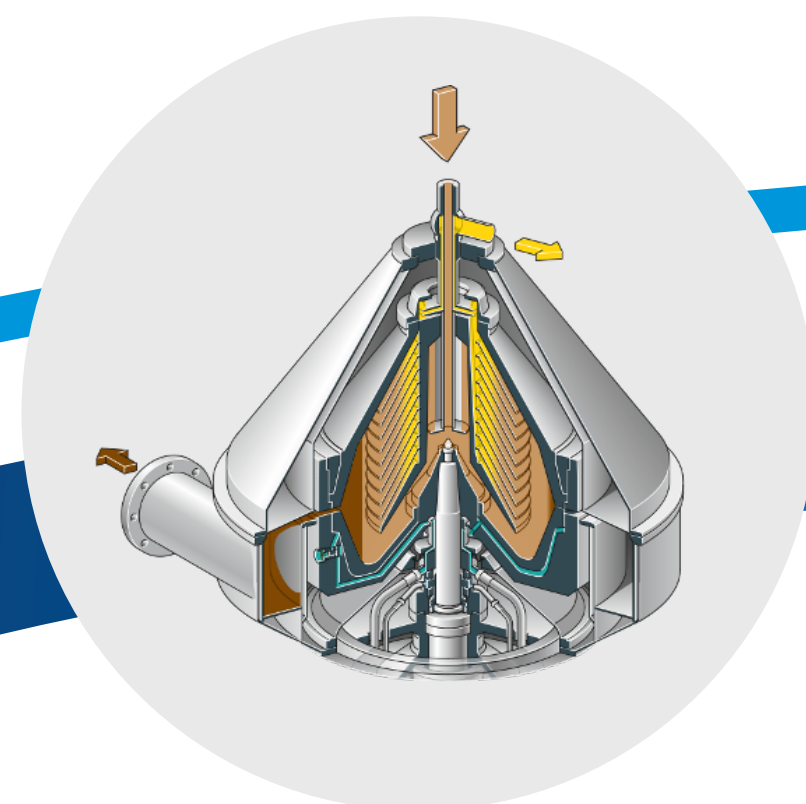
Utmost variability for your processes.

Three bowl types to handle every solids content

Multiple package variants make it possible to customize each separator skid in the aseptic or pure line with different bowl types.

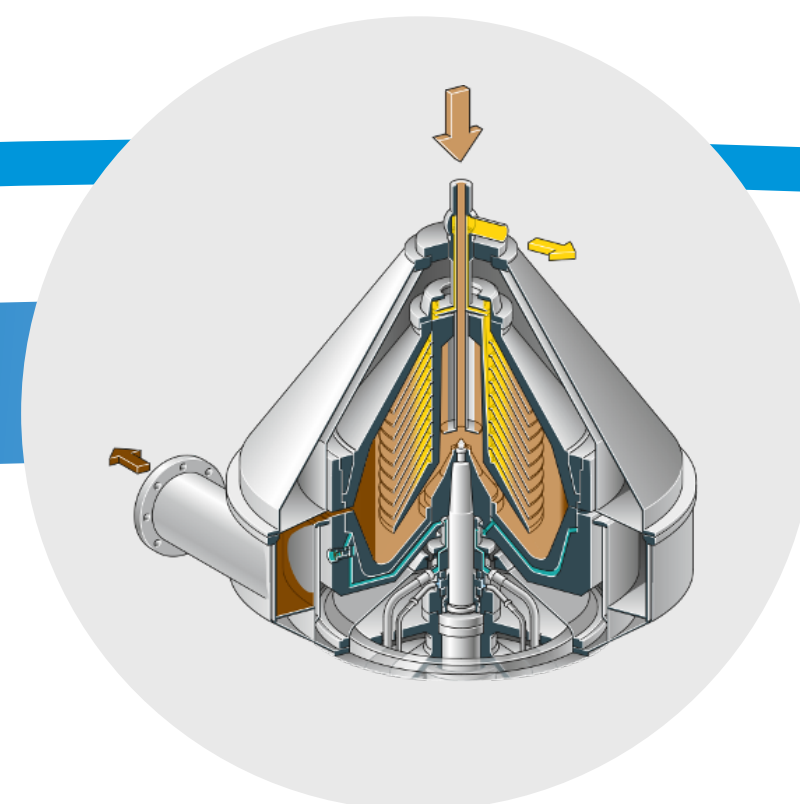
Two bowl types with different clarification areas and the new flexicon nozzle bowl type are available to make the most of every process capacity and solid content.





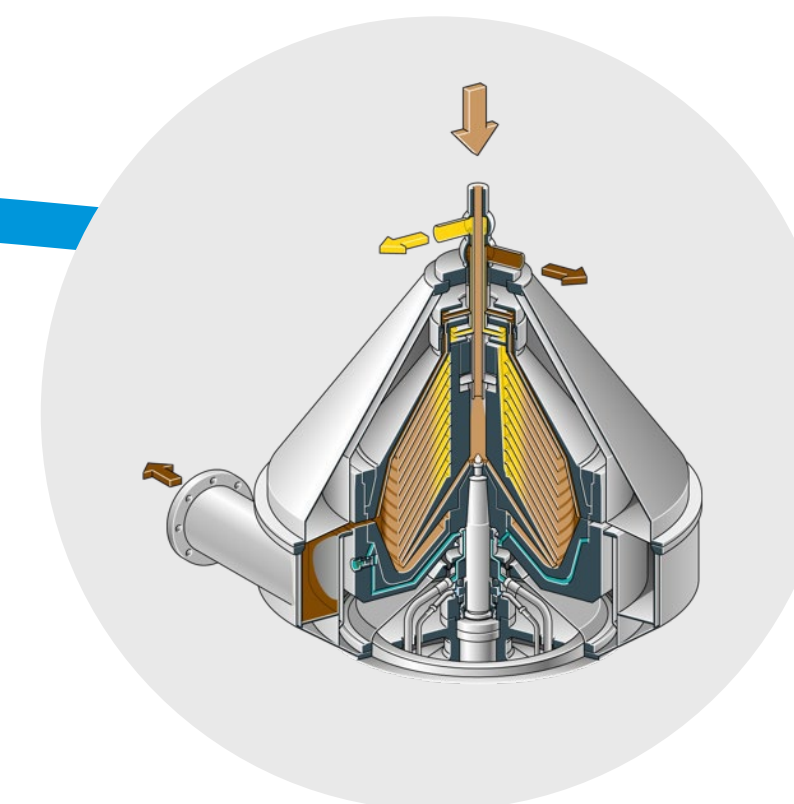
highSigma clarifier

The highSigma clarifier is a self-cleaning bowl type specialized in processing liquids with solids up to 5 vol. %.



highVol clarifier

For solids up to 10 vol. %, any GEA Pharma Separator can be equipped with the highVol clarifier bowl variant.



flexicon nozzle bowl

The GEA flexicon nozzle bowl answers the needs of many manufacturers for a centrifuge that can handle higher solid contents – up to 30 vol. % – with better separation results (continuous decharging / desludging).

Four model sizes to master every production capacity

All GEA Pharma model combinations in the aseptic and pure lines are available in a gapless range for maximum efficiency of processing.

Model sizes

aseptic / pure 30

aseptic / pure 170

aseptic / pure 100

aseptic / pure 300



Setting new standards

GEA flexChange bowl concept

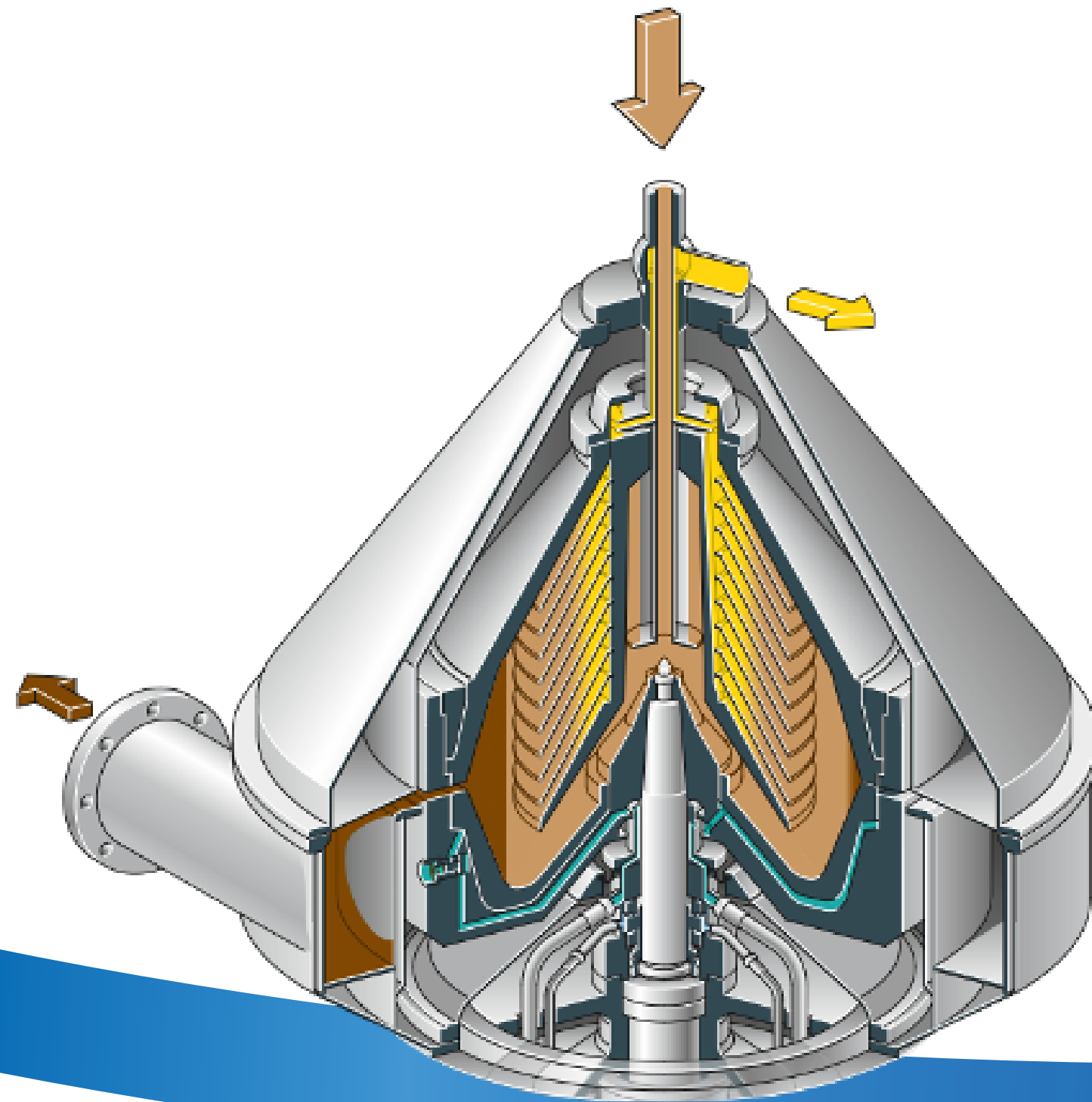
Produce any product on just one skid
with exchangeable separator bowls.

The revolutionary GEA flexChange concept
transforms static process lines into multi-functional
ones, replacing three ASME BPE certified pharma
separators with just one skid!

Available in the series aseptic and pure.



GEA flexicon nozzle bowl



Adjustable during the process

A world's first, GEA nozzle separators for pharma applications feature the new GEA flexicon nozzle bowl for high solids contents up to 30 vol. %.

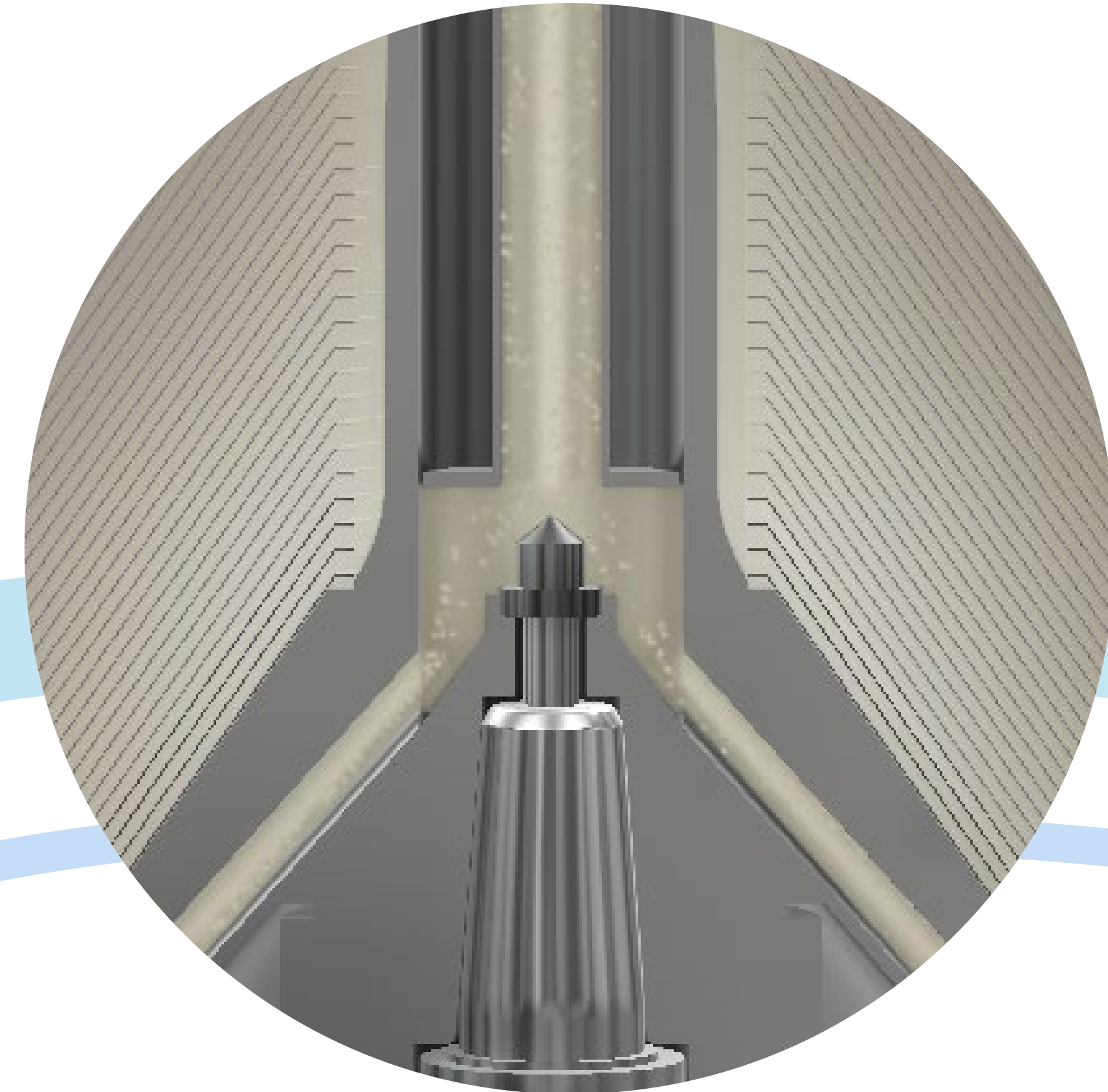
Thanks to the innovative design, the nozzle settings are infinitely adjustable even during production.

ASME BPE, GMP and Ribo type tests

Easiest implementation of your process line

ASME BPE, GMP and Ribo type tests are fully included in GEA Pharma aseptic separators.

All certificates and tests are also optionally available for GEA Pharma pure skids.



Aseptic SIP/CIP capability



All included in GEA Pharma aseptic machines

Separators in the aseptic line are automatically steam-sterilizable and completely sealed, designed for maximum biosafety and containment.

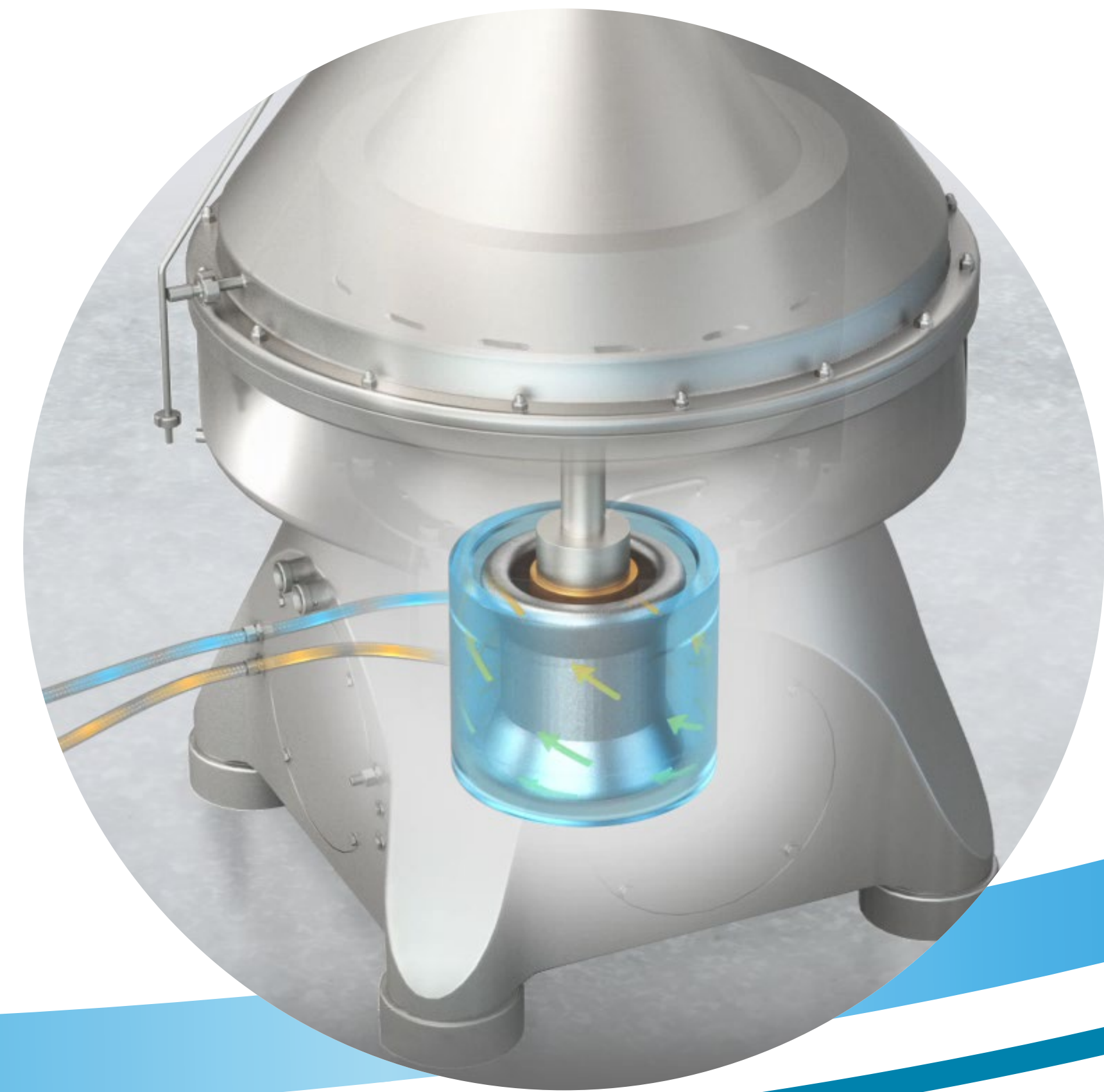
For fully automatic CIP systems, the cleaning cycle is controlled by a programmable logic controller (also on GEA Pharma pure machines).

GEA IDD Integrated Direct Drive

Low-footprint, low-noise, easy to maintain

GEA's water-cooled, emission-free Integrated Direct Drive is suitable for the most demanding cleanroom requirements.

Fewer components on the drive system also mean fewer wearing parts and easier machine maintenance.



Applications for your success



Equip your process with GEA

Find your process ready to reach the next level with
GEA Pharma Separator skids aseptic or pure!



Human and veterinary vaccines

Securing biosafety and containment
with steam-sterilized systems.



Insulin

Covering numerous steps with
one modular machine type.



Mammalian cells/monoclonal antibodies (MBA)

Shear-sensitive separation of
mammalian cells with optimal purity
and yield.



Recovery of extra- & intracellular enzymes

Wear-protected recovery and fewer
process stops.



Starter cultures and probiotic products

Enhancing yield and vitality of
living cells.

Additionally, applications such as blood plasma fractionation
or single-use cell harvesting are covered by special pharma
separation centrifuges available from GEA.

Comprehensive details on all
separation skids and applications
are available on our website!

More information on

gea.com/energizing-pharma

We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

“Engineering for a better world” is the driving and energizing principle connecting GEA’s workforce. As one of the largest systems suppliers, GEA makes an important contribution to a sustainable future with its solutions and services, particularly in the food, beverage and pharmaceutical sectors. Across the globe, GEA’s plants, processes and components contribute significantly to the reduction of CO₂ emissions, plastic use as well as food waste in production.

GEA is listed on the German MDAX and the STOXX® Europe 600 Index and also included in the DAX 50 ESG and MSCI Global Sustainability indexes.

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