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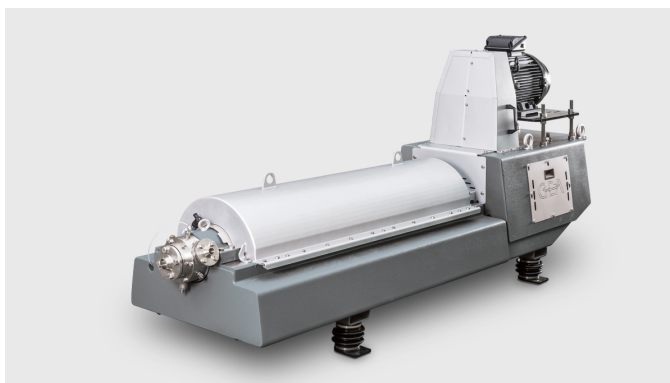
Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://gea.nt-rt.ru/> || gsg@nt-rt.ru

ЦЕНТРИФУГИ И ОБОРУДОВАНИЕ РАЗДЕЛЕНИЯ ДЕКАНТОРЫ Технические характеристики



Overview

The solid-wall bowl has a cylindrical section for efficient clarification of the liquid and a conical section for drying the solids. Due to the centrifugal forces, the solids are flung onto the bowl wall and are transported by the scroll to the solids discharge. There are several possibilities to discharge the clarified and separated heavy and light liquid phases. Both phases can either be discharged freely by gravity or one liquid phase is discharged under pressure via centripetal pump while the other liquid phase flows off under gravity. The decanters are completely CIP-compatible.

The housing consists of a frame with supporting feet, protective plates and catchers for the discharged phases. The machines are driven by a frequency-controlled 3-phase AC motor via V-belts. There are different drive concepts available which permit automatic torque measurement and differential speed control. All product contacting parts are made of stainless steel. FDA approved materials are available for the seals.

Features & Benefits

- summation drive for always full torque, thus always full performance
- Optimally set differential speed for always best separation results
- Optimized power flow, no energy recirculation thus minimum transmission losses
- External gears for reliable operation especially for hot applications
- Oil lubrication of all bearings for exacting demands
- High-quality wear protection
- Use of high quality stainless steels

Clarifying Decanter drymaster

Overview

This flat-pond decanter centrifuge has been customized for clear clarification and dewatering in chemical and mineral processing applications. The solid-wall bowl has a cylindrical section for efficient clarification of the liquid and a conical section for drying the solids. Due to the centrifugal forces, the solids are flung onto the inner bowl shell and are transported by the scroll to the solids discharge. On decanter type dryMaster series, the clarified liquid is discharged freely into a liquid catcher and flows off under gravity. CIP-compatibility of the decanter can be assured. The housing consists of a frame with supporting feet, protective plates and catchers for the discharged phases. All product-contacting parts are made of stainless steel.

GEA summationdrive

Drive with intelligent kinematics for high differential speeds and torques which enables processing of high solid capacities

Full torque up to the maximum differential speed; this allows processing of high solid capacities

High efficiency of the drive as the variable speed motor feeds in energy instead of braking

Automatic adaptation of the differential speed by means of frequency-controlled motor

Good accessibility to all drive parts

Changing the differential speed without replacing the complete gear

Features & Benefits

Options according to model:

All product-contacting parts are made of high-alloyed duplex steels, super duplex steels or Hastelloy C276. Depending on the application, the gaskets are made of NBR, FKM, FFKM, EPDM

Chemical cleaning after separation possible

Explosion-protected centrifuges available:

- Gas-tight decanters from GEA comply with the test criteria of the strict European ATEX standard and other EX regulations

- The oxygen atmosphere in the separator is displaced with inert gas and the excess pressure is maintained during operation to assure inert gas blanketing.

Available for temperatures up to 130 °C.

Decanter pharmMaster for Extraction Products

This decanter has been designed for extraction products.

Decanters for Extraction

Decanters are a very efficient means of carrying out solid-liquid extraction with a high solids content. Before entering the decanter, the extraction product, which has previously been comminuted, broken down or ground down, is mixed intensively with the extraction agent in a separate mixer. The inlet through which the suspension flows into the decanter is arranged axially in relation to the rotating bowl. The solid-wall bowl has a cylindrical section for efficient clarification of the liquid and a conical section for dewatering the solids. The scroll, which rotates with a slight differential speed relative to the bowl, conveys the solids (extraction residue) to the solids discharge at the conical end of the bowl. The extract is conveyed to the cylindrical end of the bowl where it is discharged via a centripetal pump.

Explosion-Protected Centrifuges

Gas-tight decanters from GEA comply with the test criteria of the strict European ATEX standard.

The oxygen atmosphere in the decanter is displaced with inert gas and the excess pressure is maintained during operation to assure inert gas blanketing.

Features & Benefits

GEA summation-drive with intelligent kinematics for high differential speeds and torques which enables processing of high solid capacities. High efficiency of the drive since the variable speed motor feeds in energy and does not brake

All product-contacting parts are made of high-alloyed stainless steels

Depending on the application, the gaskets are made of NBR, FKM or EPDM

Chemical cleaning after separation



DECANTER PHARMMASTER FOR EXTRACTION PRODUCTS

Decanters for Extraction

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GEA MARINE SEPARATOR PRIME SETS NEW STANDARDS IN SEPARATION TECHNOLOGY WITH HIGHER EFFICIENCY

Based on the CWA 15375 standard, the GEA marine Separator sets new standards in separation efficiency, offers the best certified flow rates (CFR) on the market and is tailored exactly to the dimensions of your machines. With the current generation of centrifuges with integrated direct drive, ship operators are heading directly into a future that will be even more economical, requires less maintenance and saves space on board thanks to the GEA marine Separator prime.

GEA separators for economical operation of marine engines

GEA centrifugal separators specialize in fuel and lube oil treatment, bilge water treatment and sludge removal in marine applications. With their high accelerating power, the separators ensure reliable performance and economical operation of marine engines and increase service life even under extreme conditions.

Direct drive now leads into the future

The GEA marine Separator with integrated direct drive represents the latest generation of separators with its characteristics of saving energy and reducing the carbon footprint. The market has already accepted the innovation very well. With the direct drive, the GEA marine Separator does not require a conventional separate motor, belt or clutch. Only after 16,000 operating hours or after two years the drive unit is replaced by a GEA OEM certified exchange unit with full new warranty.

One of the biggest advantages for all ship operators is that, for the first time, the spindle and motor are available as a compact plug-and-play exchange drive unit - making maintenance of the separator very easy. Thanks to the efficiency of the drive and the absence of belts, almost all the energy is transferred directly to the bowl. This saves up to 30,000 kWh per year and ensures sustainability.

The future of marine is digital

With the GEA marine Upgrade Kit, GEA automates the functionality of its separators for marine applications. For GEA customers, this means optimized operation of their plants, an improved carbon footprint and realized cost savings. The Upgrade Kit is available as a retrofit solution for OSC, OSD and OSE separators.

For new vessels, the GEA marine Separator prime is the right choice. The Upgrade Kit is already included in the scope of the prime line.

The GEA Wine Decanter range

We offer the GEA Wine Decanter as the standard machine for wineries, pre-mounted on a skid frame with all required connection and control modules – so it is ready to use. For greater or smaller volume requirements, a great range of the GEA Wine Decanter machine sizes is available.

All GEA Wine Decanters have been improved for efficiency, compared to previous model generations. For longer service times, reduced maintenance effort and improved separation results, GEA Wine Decanters feature the innovative GEA **summation** drive concept, which offers a higher bowl speed as well as higher flexibility in speed difference and easier servicing.

All machines are perfectly suited to the gentle handling of wine products, thanks to the sensitive, deep pond, centripetal pump, gentle distributor and rotating feed pipe. Patented GEA improvements over standard decanter centrifuge solutions include the hydrohermetic sealing system to prevent oxygen pick-up and in-built jets for adding fining agents.

FLOW RATES FOR DIFFERENT WINEMAKING PROCESSES

GEA Wine Decanter Skid type	Juicing		Wine recovery from		
	Red grape [m³/h]	White grape [m³/h]	juice lees [m³/h]	flotation lees [m³/h]	wine lees [m³/h]
8000	30 – 32	25 – 28	12 – 14	6 – 7	4 – 5
7000	25 – 30	18 – 22	9 – 12	5 – 6	3 – 4
6000	18 – 22	12 – 15	6 – 8	3 – 4	2.5 – 3
5000	12 – 15	8 – 10	4 – 5	2 – 3	1.5 – 2.5
4000	8 – 10	5 – 6	3 – 4	1 – 2	1 – 1.5
3000	5 – 6	3 – 4	2 – 3	0.5 – 1	0.5 – 1

2-PHASE SEPARATING DECANTERS FOR OIL RECOVERY

This special decanter was developed by GEA in the early 1990s. With this system up to 90 percent of dilution water can be saved which correspondingly also reduces the waste water. In addition to the ecological and economical issues, the 2-phase system is also impressive from an economic perspective of the recovered olive oil. It ensures the best possible oil quality by retaining the highest possible polyphenol content. The taste is intense, because many flavors and ingredients are washed out to a much lesser extent due to the addition of less water. At the same time, these oils have an exceptionally long shelf life.

GEA has also introduced this separation method to the palm oil industry as the so-called ecod decanter. Also for palm oil, this system combines extremely short process times and significant environmental compatibility with excellent product quality as well as a significant reduction in oil losses and fresh water requirement. Vertical clarifier and sludge tank are not necessary. In this way, the process time is considerably reduced, and the energy consumption is also lower. The amount of effluent is reduced to less than 25 % in relation to the volume of processed fruits. This is nearly half the quantity created in the conventional process.

In conventional processes, huge ponds are necessary in order to handle the effluent which is very organically contaminated. These ponds release large quantities of the greenhouse gas methane. Our ecod system considerably reduces the methane emission because the ponds are much smaller.

Features & Benefits – For olive oil recovery

No addition of dilution water necessary in most cases

The olive oil obtained in the 2-phase process contains all natural constituents of oil (polyphenols), giving the oil a more intense taste

Solid / water mixture can be processed relatively easily (e. g. for pit separation, water separation and olive oil recovery)

Features & benefits – For palm oil recovery

Extremely short process time

Virtually no dilution water

Low energy consumption

No vertical clarifier and sludge tanks

Much smaller ponds – considerably reduced methane emission

Higher product yield

Palm oil in premium quality

Recycling of nutrients

Increased FFB production by organic fertilizer



GEA MANURE DECANter

Customizable GEA manure Decanter prime

Dewatering environmental Decanter prime

Can be flexibly configured for highly complex preparation processes with individual requirements and large capacities

Excellent performance

Lowest power consumption (e.g. 0.7 kWh/m³/h)

GEA summationdrive® for automatic torque measurement and differential speed adjustment

Standardized GEA manure Decanter pro

GEA manure Decanter pro

Standardized machine configuration for plug & play integration in processes with little need for adjustments

High performance, economical investment and lifecycle costs

Low power consumption (e.g. 0.9 kWh/m³/h)

Inline secondary mo

Features and benefits GEA manure Decanter

Highest separation efficiency of N (40%) and P₂O₅ (70%) by the use of g-forces

No need for chemicals

Closed material flows

No filtration system, therefore no blockages

Lowest space requirement (m³/h per m²)

Easy installation and operation

PLC controlled and therefore a completely independent operating system

Adjustable bowl speed and automatic control of differential via VFD

Ability to build on mobile unit, complete with pumps and other equipment



GEA DECANter FOR PLANT-BASED BEVERAGES

GEA Decanter – indispensable for plant-based beverage production

Think plant-based: A decanter centrifuge is the indispensable tool for beverage producers to extract liquid product from mashed and watered cereal grains, ensuring high yield, optimum hygienic purity and premium taste. The slurry is fed into the GEA CF Decanter Centrifuge for the central step: to separate the undesired fibers and keep the desired starch and β -glucans in the product. This decanter has been designed for the food and beverage industry. The machine is completely CIP-able in special hygienic design.

The clarified liquid is discharged under pressure by a centripetal pump. The solids are discharged by gravity via a funnel. The product connections are designed according to DIN 118564. The machine is driven by a frequency-controlled 3-phase AC motor via V-belts. GEA summationdrive with intelligent kinematics for high differential speeds and torques which enables processing of high solid capacities. Full torque up to the maximum differential speed; this allows processing high solid capacities. High efficiency of the drive since the variable speed motor feeds in energy and does not brake. Automatic adaptation of the differential speed by means of frequency-controlled motor. All product-contacting parts are made of stainless steel. FDA-approved materials are available for the seals.

Features & Advantages:

Maximum yield from a highly efficient extraction process

Multi-purpose flexibility

Perfect for continuous processing and high solid contents

Full safety and purity for sensitive product

Optimized CIP program

Available in a plug & play skid design



3-PHASE SEPARATING DECANTERS FOR OIL & GAS

Slop oil, which may consist of residues and upstream products from refineries, which do not meet the specifications with regard to water and salt content as well as oils from leakages for instance. In many oil-producing countries, for instance in South America, in the Middle East or in Russia, the common practice for many decades has been to pump these contaminated oils into lagoons or intermediate storage; these lagoons are each capable of storing up to one million barrels of oil. The lagoons frequently hold an undefined mixture of oil, water and sediments. The water content can vary between 10 and 70 percent, as can the oil content, and the solids content can range between 3 and 15 percent. Everything is conceivable, from a relatively aqueous low-viscosity mixture right through to substances which are similar to tar with a viscosity of more than 1000 Centistokes.

Our available decanters for this application have a low bowl angle for optimal thickening and a hydraulic scroll drive for maximum power. We have also the patented bowl design for handling of brine with a specific gravity of up to 1.5 sg.

GEA tackles this challenge with a successful combination consisting of mechanical separation technology, minimum use of chemical agents and the right process. Our 3-phase decanters of the new ecoforce series combine high performance with low energy consumption. Together with the decanter featuring the super pond depth design, the integrated summationdrive ensures that energy consumption has been reduced by a further 30 percent. With the summationdrive, a primary drive drives the bowl and a secondary drive drives the scroll, and the performance of both motors is combined. An intelligent kinematic solution combines the capacities of the two motors ("summation" arrangement), and then forwards them precisely to the bowl and scroll. Unnecessary conversion losses, such as those encountered with other solutions featuring back drive, are not encountered with the summationdrive. A further major aspect of the new generation is the fully automatic facility for adjusting the differential speed in a broad range as well as the low space requirement. With its high speed and high g-force as well as the super deep pond design, our decanters ensure optimum performance with a minimum space requirement.

Features & Benefits

- Super Deep pond design for enhanced performance by optimized process configuration

- Tungsten carbide tiles or hard faced scroll for longer operational life

- Stainless steel wetted parts and hood

- Welded rigid frame

- Pillow block design for easy and fast service

- GEA summationdrive for minimum energy consumption and highest flexibility due to a broad differential speed range

3-PHASE SEPARATING DECANTER FOR INDUSTRIAL FLUIDS

Features & Benefits

All product-contacting parts are made of stainless steel

Shallow pond design

Minimal power consumption

Highest g-force for maximum efficiency

Innovative adjustable scroll drive with the following features:

- GEA summation drive with intelligent kinematics for high differential speeds and torques
- High efficiency of the drive since the variable speed motor feeds in energy and does not brake
- Very sensitive regulation of the torque, even with fluctuating feed conditions
- Automatic adjustment of the differential speed due to the frequency controlled variable speed motor

The scroll can be operated also with stationary bowl

Gentle feed geometry for optimum flocculation and low wear

Low space requirement

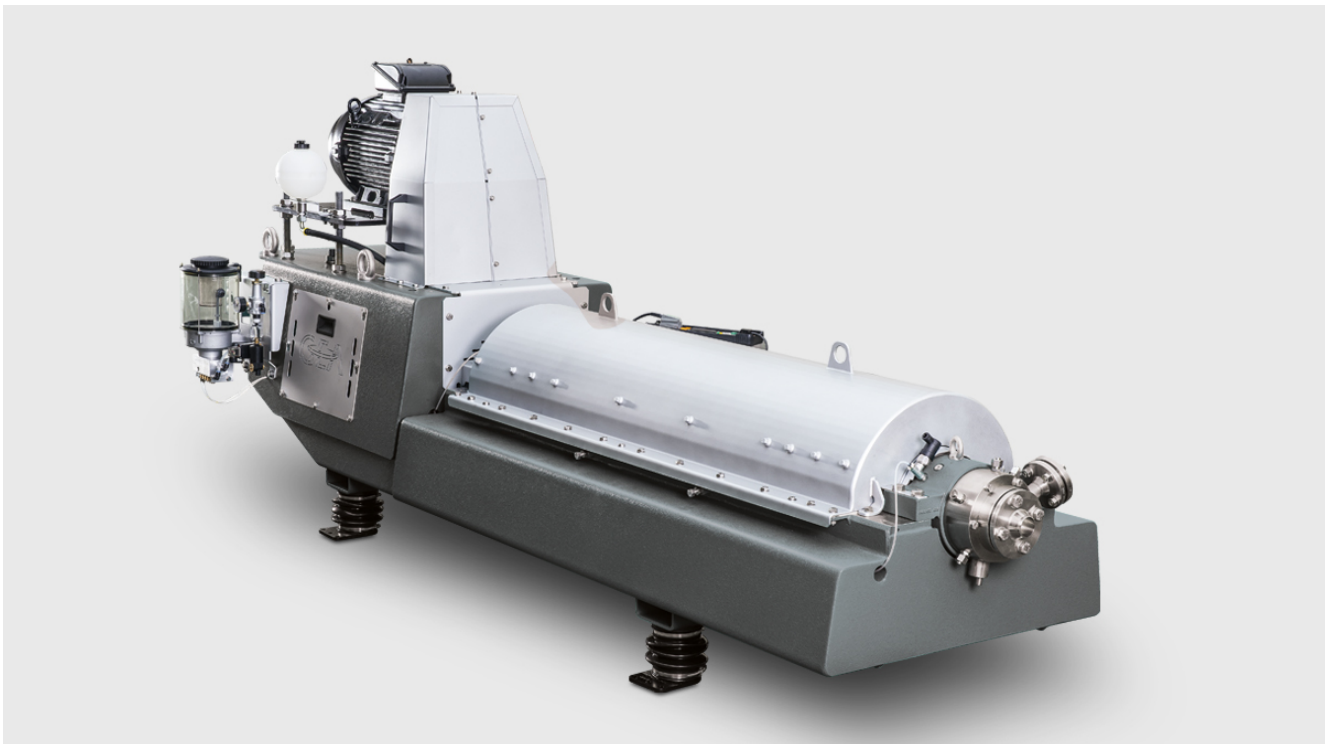
Good accessibility to all components

Easy to operate and maintain

Explosion-proof design available

High torque gearbox

Liquid discharge: free gravity discharge or under pressure



3-PHASE SEPARATING DECANTERS FOR OIL RECOVERY

3-Phase decanters separate both, the olive pulp or the palm oil sludge into oil, water and solids.

This 3-Phase separation requires a comparably high amount of dilution water. In olive oil production GEA also offers 3-Phase decanters for treating the waste water from the olive oil recovery process. They reduce the volume of waste water and its COD value and the oil mill gains up to an additional 0.5 percent of oil relative to the quantity of olives processed. When it comes to the recovery of palm oil our 3-Phase decanters are used in the conventional as well as the crude oil process setups.

Features & Benefits

High speeds for maximum separation precision and even further improved throughput

Optimally set differential speed at all times

Full torque at all times, thus full performance at all times

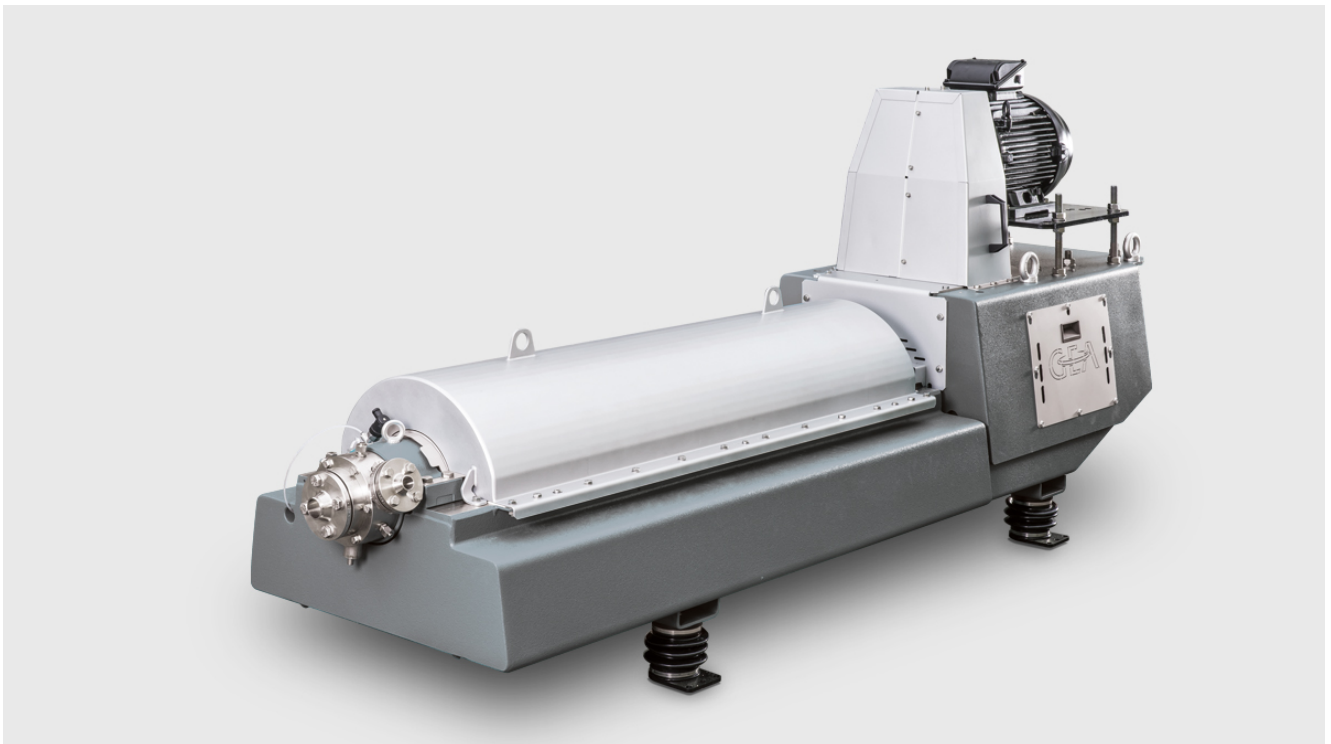
Long service life and maximum availability

Easy operation and monitoring

High efficiency – rapid amortisation

Maximum product yield

GEA cetec technology for 1 – 2 percent additional yield in olive oil recovery



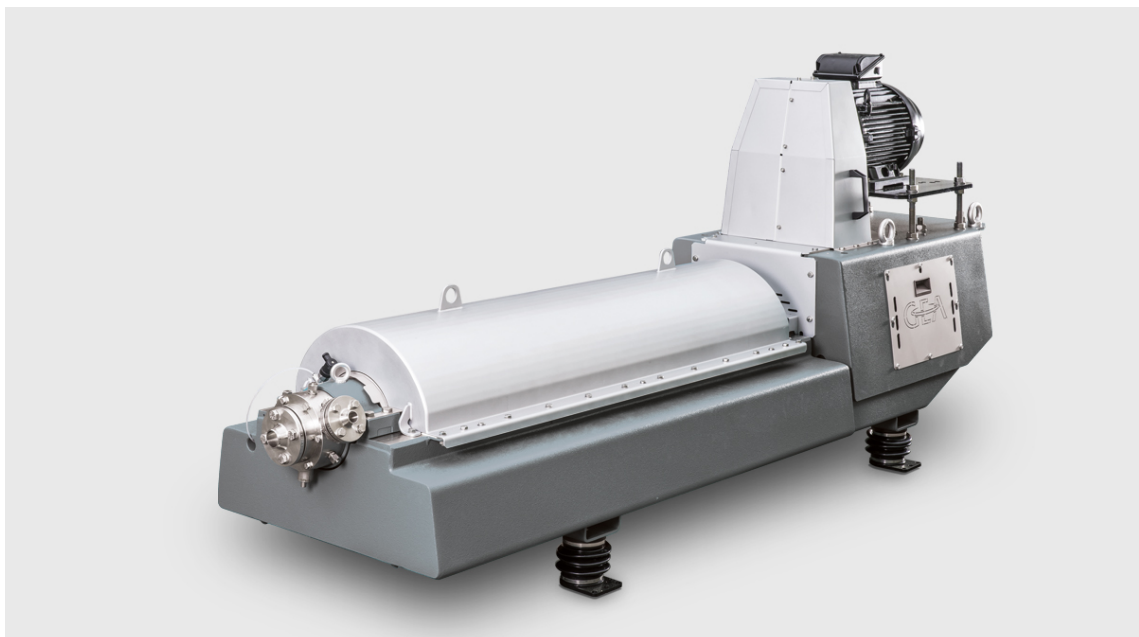
3-PHASE SEPARATING DECANTERS FOR ANIMAL AND FISH BY-PRODUCTS

Whether fish or meat: our new GEA ecoforce decanters feature optimum design to cope with the frequently difficult working conditions in the two sectors.

With this new decanter platform GEA has now combined the demands for high mechanical and sanitary reliability as well as the wish for maximum flexibility for investment and practical operation. The result: GEA offers an entire decanter family in a uniform design concept from the smallest right through to the largest decanter, ranging from the drive to the identical pedestal bearing principle. The advantage for the user, operating personnel and spare part maintenance: uniformity across the board. Nonetheless, due to its modular principle every decanter can be customized right down to the smallest detail: Low or high torque, flat or steep conical angle, low or high differential speed, hot or normal operation, oil or grease lubrication, special alloys for corrosion and erosion resistance or hygienic design with rotating feed pipes, spray nozzles and food grade materials.

Features & Benefits

- External gears for high gear protection
- Oil lubrication of all bearings for exacting demands
- High-quality protection against wear
- High degree of dynamic stability
- Use of high-quality stainless steels
- CIP capability, spray nozzles and sanitary design



CLARIFYING DECANTERS FOR CHEESE CURD, CASEIN AND LACTOSE

The decanters ensure the efficient production of processed cheese base, raw goods for curd cheese bars or bakers cheese. The decanters are also ideally suited for reprocessing cheese fines and for lactose and casein production thanks to their design, which has been optimized for the production of delicate foods.

Outstanding efficiency

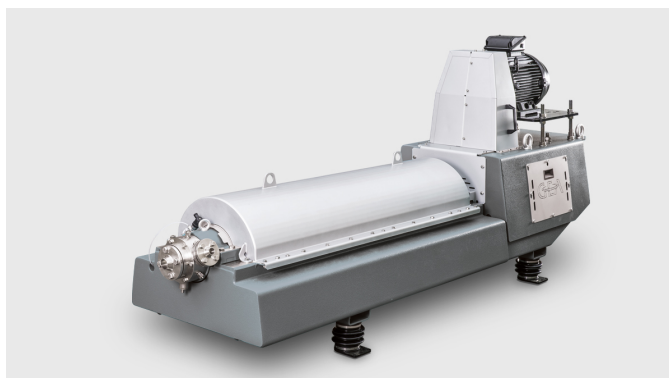
The latest GEA decanters, the ecoforce series, impress with top performance, which is achieved with an adapted bowl speed, combined with a low energy consumption. The high-torque GEA summationdrive reliably provides the optimal differential speed, which guarantees the best possible operation. Only the power that is actually required is supplied to the motors, which means that the drive works extremely energy efficiently.

Simple maintenance

GEA gearboxes for GEA decanters: The gearboxes for the ecoforce series are manufactured in our in-house production facilities because of the need to adapt them optimally to the respective decanter design configuration. In total, seven gearbox sizes are available for integration in the series along with three gearbox types classified by decanter size and model. The decanters have been consistently designed for continuous operation and maximum availability. The gearbox has therefore been taken out of the product space and placed outside. This makes it not only less easily affected by product temperature but also very quickly accessible for the service technician. This applies for all areas of the decanter that require regular maintenance, so the machine is quickly ready for use again.

Decanter series in hygienic design

The GEA ecoforce decanters can be offered with different levels of hygienic design to ensure an exceptionally high product and process safety for microbially sensitive products. This special design guarantees the user processing and production of foodstuffs at the highest level, in a way that is hygienic and reproducible and which guarantees the consumer comprehensive process and thus product safety through complete CIP-ability and reproducible cleaning.



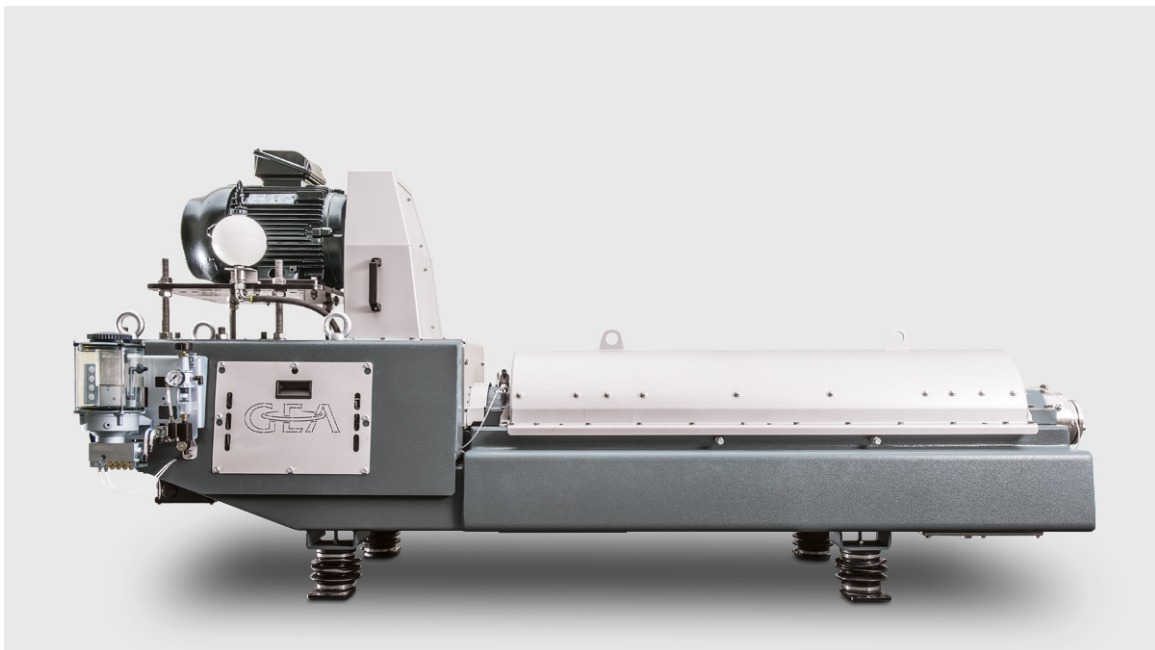
CLARIFYING DECANTERS FOR EDIBLE OIL REFINING

The decanter separates the solids from the oil in fully continuous operation. Solids are discharged continuously which results in a continuous solids recycling into the press.

Using a decanter combines foots removal with partial degumming, in case of chemical refining the result of this combination of two process steps is often sufficient. On top, GEA decanters are easy to operate and automate and they need only little space. With their robust design our decanters can handle oil temperatures of up to 105° C. The external gears which segregates product from drive room, oil lubrication of all bearings, special materials and high quality wear make our GEA ecoforce decanters especially suited for hot applications and continuous heavy duty.

Features & Benefits

- Continuous solids separation
- Low cost of automation
- Lower space requirement
- Simultaneous degumming
- Rugged and robust design
- External gear concept of GEA ecoforce decanters
- Oil lubrication of all bearings



CLARIFYING DECANTERS FOR INDUSTRIAL FLUIDS

Features & Benefits

All product-contacting parts are made of stainless steel

Shallow pond design

Minimal power consumption

Highest g-force for maximum efficiency

Innovative adjustable scroll drive with the following features:

- GEA summation drive with intelligent kinematics for high differential speeds and torques
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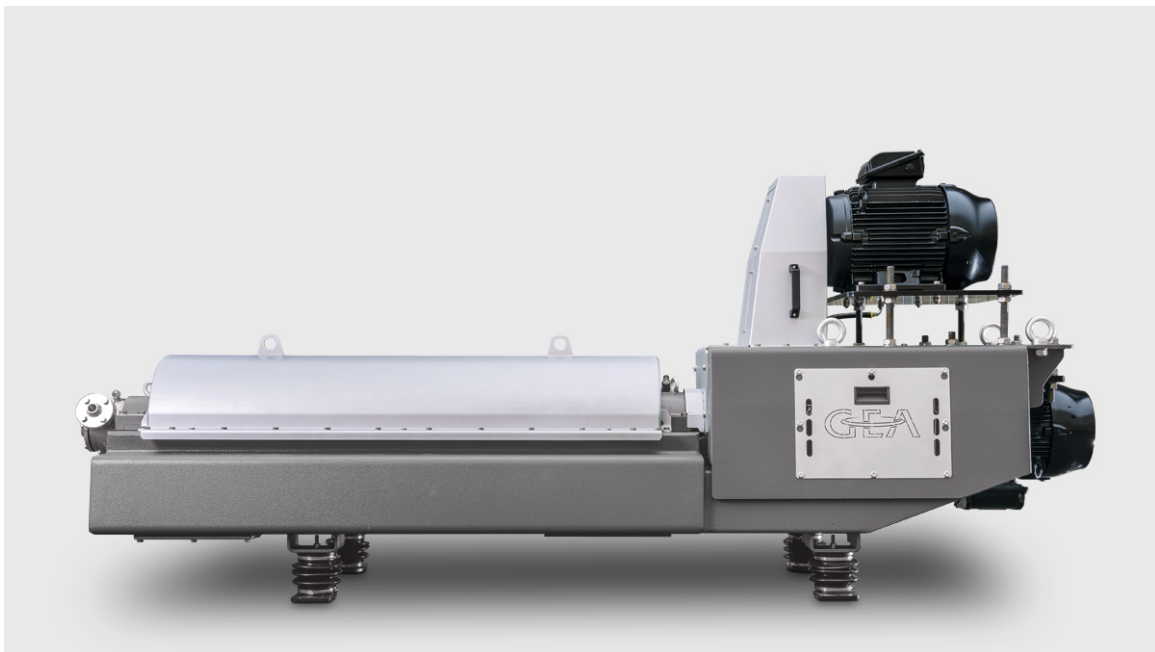
Good accessibility to all components

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Explosion-proof design available

High torque gearbox

Liquid discharge: free gravity discharge or under pressure



CLARIFYING DECANTERS FOR ANIMAL AND FISH BY- PRODUCTS

Whether fish or meat: our new GEA ecoforce decanters feature optimum design to cope with the frequently difficult working conditions in the two sectors.

Processes in the fish and animal by-products industry usually impose particularly stringent requirements on the hygienic design as well as the robustness and corrosion-resistance of the materials. These tasks have been solved by the design features of GEA ecoforce generation; high-performance stainless steels, special chute designs for ease of cleaning, additional spray nozzles at critical points as well as high quality wear protection have been installed, and the frame construction has been provided with maximum dynamic stability. The gear is also situated outside the production area, so that the gear is not unnecessarily heated by the product. GEA offers oil lubrication for the bowl bearings; this further boosts the reliability of the machine, and also reduces the amount of manual maintenance work compared with grease lubrication solutions. This stabilizes the entire system and it is also more attractive in terms of current operating costs.

Features & Benefits

External gears

Oil lubrication of all bearings for exacting demands

High-quality protection against wear

High degree of dynamic stability

Use of high-quality stainless steels

CIP capability, spray nozzles and sanitary design



CLARIFYING DECANTERS FOR FOOD INGREDIENTS

In the field of protein recovery, the decanters are used for extracting, concentrating, recovering and washing the protein. In algae processing our decanters concentrate and dewater biomass.

Features & Benefits

High differential speed range without pulley change for maximum process flexibility

Full torque at all times, thus full performance at all times

External gears: segregation of process and drive room

Separate lubrication of gear and main bearings avoids cross contamination and thus possible damages

GEA summationdrive with optimized power flow

Patented adjusting weir – GEA varipond®: The pond depth can be adjusted while the machine is running in order to improve separating efficiency automatically

Optimum pond depth for optimum dewatering and low energy consumption

Paring disk: Hydrohermetic operation to avoid protein losses and energy saving due to small diameter

Hygienic design to meet all food requirements



CLASSIFYING DECANter FOR OIL & GAS

Special treatment is required for the heavy mineral barite (barium sulphate), which has a minimum specific density of 4.20 g/cm³. The comparatively expensive barite is added to the drilling mud on board in order to thicken the drilling mud. This rare and valuable mineral would have to be disposed of together with the dried drilling mud if it could not be separately precipitated. In order to recover the precious barite and recycle it back into the process GEA has developed a special classifying decanter. This special decanter removes only very heavy solids from the mud.

In order to recover the precious barite and recycle it back into the process GEA has developed a special classifying decanter. This special decanter removes only very heavy solids from the mud. Our GEA rigMaster CF series from the new ecoforce decanter generation is used for this application – with the inherent advantages such as high torque, maximum availability, high throughput capacities, excellent classifying results and low energy consumption.

Features & Benefits

High quality wear protection

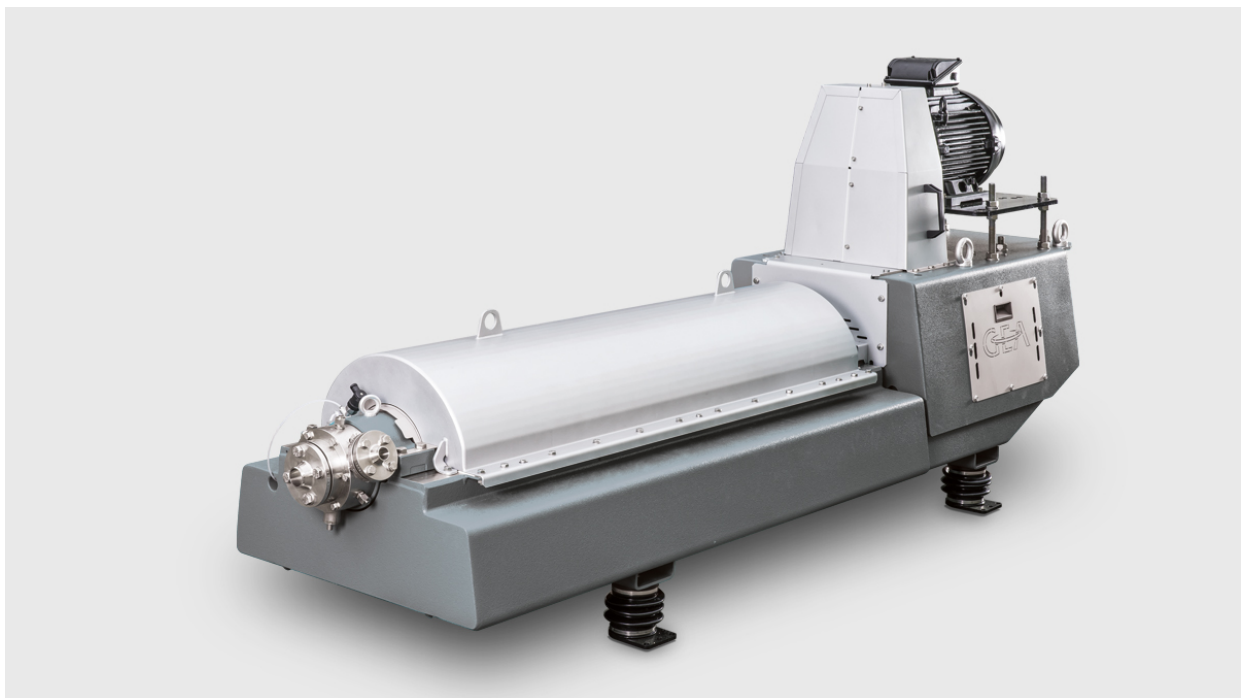
External gear system for maximum gear protection

Oil lubrication for all bearings for exacting demands

High quality stainless steel for all product-contacting parts

Gas-tight and explosion protected design for hazardous zones

High-torque GEA summationdrive for optimum differential speed at all times and minimum energy consumption



CLARIFYING DECANTERS FOR STARCH RECOVERY

The decanter centrifuges separate solid and liquid phases with the help of centrifugal force. The clarified liquid is discharged under pressure to avoid oxygen pick-up, while the solids are forced to the bowl wall and conveyed by the scroll to the solids outlet.

Features & Benefits

No unplanned downtime anymore due to Active Torque Control

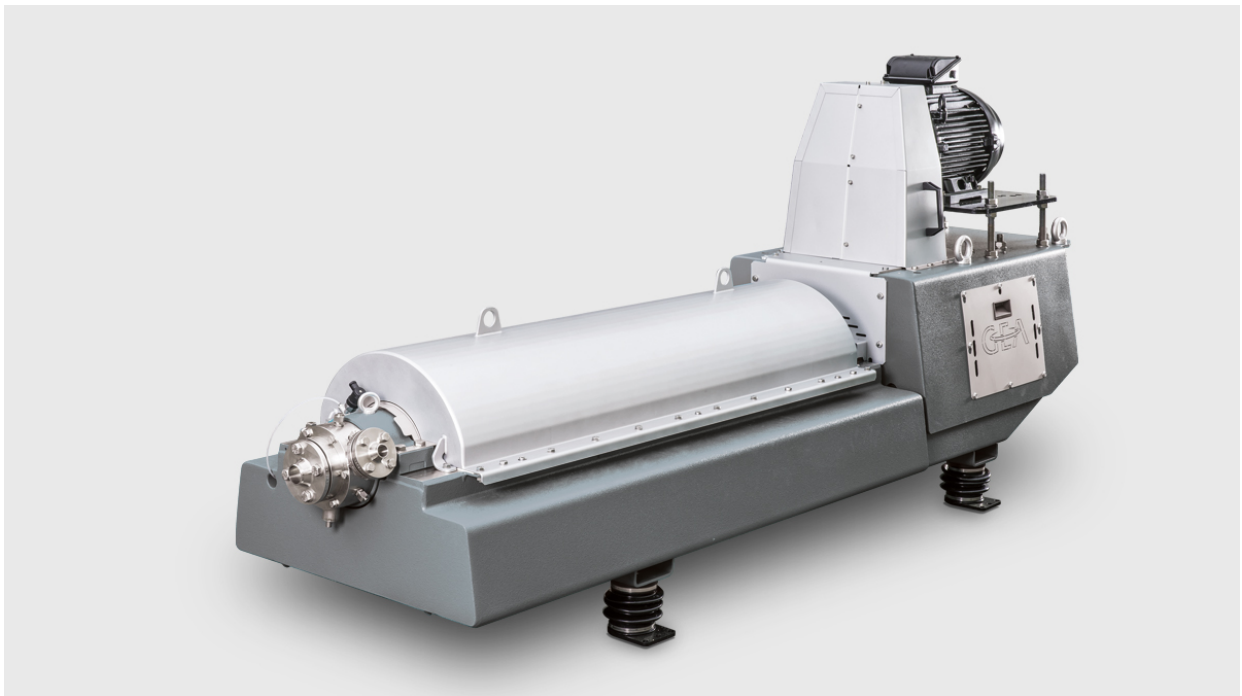
Hygienic design for top cleanability of your decanter centrifuge

Minimize drier costs: automatic optimization of torque and differential speed for maximum dry matter independent of feed conditions

Automatic optimization of torque and differential speed for always maximum dry matter independent of feed conditions

Reliable and robust technology: high protection lubrication systems, external gears, high quality wear protection

Energy efficient operation: no conversion losses of the drive system



GEA DECANter FOR PLANT-BASED BEVERAGES

GEA Decanter – indispensable for plant-based beverage production

Think plant-based: A decanter centrifuge is the indispensable tool for beverage producers to extract liquid product from mashed and watered cereal grains, ensuring high yield, optimum hygienic purity and premium taste. The slurry is fed into the GEA CF Decanter Centrifuge for the central step: to separate the undesired fibers and keep the desired starch and β -glucans in the product. This decanter has been designed for the food and beverage industry. The machine is completely CIP-able in special hygienic design.

The clarified liquid is discharged under pressure by a centripetal pump. The solids are discharged by gravity via a funnel. The product connections are designed according to DIN 118564. The machine is driven by a frequency-controlled 3-phase AC motor via V-belts. GEA summationdrive with intelligent kinematics for high differential speeds and torques which enables processing of high solid capacities. Full torque up to the maximum differential speed; this allows processing high solid capacities. High efficiency of the drive since the variable speed motor feeds in energy and does not brake. Automatic adaptation of the differential speed by means of frequency-controlled motor. All product-contacting parts are made of stainless steel. FDA-approved materials are available for the seals.

Features & Advantages:

Maximum yield from a highly efficient extraction process

Multi-purpose flexibility

Perfect for continuous processing and high solid contents

Full safety and purity for sensitive product

Optimized CIP program

Available in a plug & play skid design

Service products



CLASSIFYING DECANter FOR OIL & GAS

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Features & Benefits

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- External gear system for maximum gear protection

- Oil lubrication for all bearings for exacting demands

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Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://gea.nt-rt.ru/> || gsg@nt-rt.ru