

Europe Separation & Services for the Environment



THE SEPARATION SPECIALIST



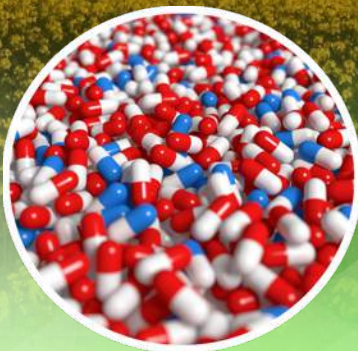
CENTRIFUGAL SEPARATOR



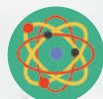
FILTERS



INDUSTRIAL MAINTENANCE

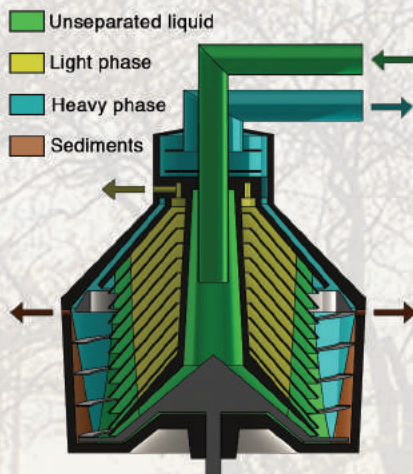


OUR PRODUCTS



CENTRIFUGAL SEPARATORS

The E2SE separators have a unique technology that combines a vertical disc-type centrifuge with a screw conveyor, usually found in horizontal decanters.



3-Phases Separation Technology

Thanks to this innovative combination, our separators accept higher solid concentrations than the conventional disc separators.

Our products are designed to effectively separate emulsions and liquid/solid mixtures (2 or 3 phases) for clarification, separation and concentration operations.

Our range of separators covers a multitude of applications in different industries : pharmaceuticals, water treatment, agribusiness, petrochemicals, etc.



C3000 E2SE Separator

| Technical Data | C3000 | C5300 | C7300 |
|-----------------------------------|----------------|---------------|----------------|
| Output rate (m ³ /h) | 0,2 to 4 | 2 to 10 | 5 to 25 |
| Centrifugal force (g) | 8000 | 6000 | 6500 |
| Size of trapped particles | 0,3 µm to 1 mm | | |
| Acceptance of solid concentration | up to 15% | | |
| Size (L * w * h in mm) | 1000*570*1050 | 1900*900*1800 | 2200*1140*2000 |
| Weight (kg) | 350 | 2200 | 4300 |



DECANTERS

The decanter is designed to perform separation processes for mixtures having high solid concentrations (from 1% up to 30%)

The feed solution is introduced into a cylindrical-conical bowl and submitted to a very high centrifugal force ; a screw conveyor ensures the evacuation of the solid particles, which size varies from 2 µm to 40 mm, for flow rates up to 50 m³/h.

This technology is intended to every market that deals with dehydration, thickening and 2 or 3 phases separation.



Decanter Centrifuge

OUR PRODUCTS



FILTERS

E2SE has developed efficient filter solutions, addressed to a wide range of fields. Different technologies are used, depending on the need (viscosity, flow, soze of particles), to meet every market specifications.

| Technical Data | |
|-----------------------|-----------------------------|
| Filtration technology | Static / Self-cleaning |
| Filtration threshold | $\geq 80 \mu\text{m}$ |
| Hydraulic Flow | up to 200 m ³ /h |



Self-Cleaning Filter - F8/2



Basket Filter - ST3

Static Filters

The ST-Filters are composed by an hermetically sealed cylinder, containing a filter basket, thus protecting your industrial facilities. These products are known for their ease of maintenance, their low price and their low pressure loss.

Self-Cleaning Filters

The F-Filters are made up of an automatic cleaning system : a set of brushes are continuously preventing the filter from plugging. These filters are characterized by their adaptability, their robustness and their strong filtration capabilities.



Brush Technology of the self-cleaning system



SEPARATION UNITS

We offer complete treatment units, also known as "Plug & Treat" skids. Our research unit is able to design tailor-made facilities, using the adequate centrifuging and filtration techniques according to your requirements.

These separation units are compact and developed to be quickly installed on-site. The units can also be rented.



E2SE Separation Unit in a French Refinery

THE APPLICATIONS



PHARMACEUTICALS, COSMETICS

- Drug Manufacturing
- Essential oil purification and concentration
- Wool grease purification for lanoline production



FOOD INDUSTRY

- Olive oil production
- Protein extraction
- Starch production



BEVERAGES

- Must clarification (cider, beer, wine)
- Fruit juice, tea and coffee clarification
- Skimming of milk



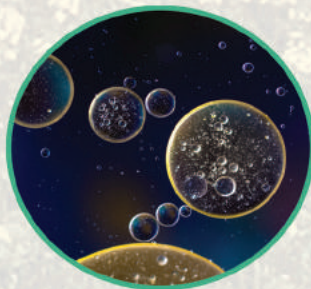
ENVIRONMENTAL PROTECTION

- Recovery of marine waste (slops, ballast water, hydrocarbons)
- Industrial waste treatment (sludge, wastewater, sediments)
- Substitute fuel production



OIL

- Biofuel production
- Waste oil refining
- Industrial and food oil recovery



Centrifugal Separator (C7300) assembling for renewable energy production

THE COMPANY



400 000

Tons of product are treated by our separators each year

40

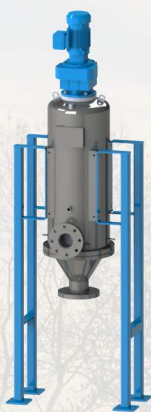
Years of expertise in separation techniques

20+

E2SE is present in more than 20 countries



ISO 9001 certified for the assembling and the maintenance of centrifugal separators and industrial filters.



Modèle 3D du filtre F2



Our product range is adapted to explosive atmospheres (ATEX).



A research unit for the product conception and development
A laboratory for your sample analysis.



A team of experts to advise you how to treat and separate your industrial fluids.



A production workshop for the assembling and the maintenance of your equipment.



Production units are available for rent for your on-site testing and your ponctual needs.



E2SE production workshop



Conveyor balancing by a qualified technician



A team of technicians that competently assist you on-site (preventive and perfective maintenance, staff training and commissioning)



THEY TRUST US



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