

How do you carry out separation by centrifugal decantation? A little theory and a lot of practice...

Location : Extractis, 33 avenue Paul Claudel, 80480 Dury, France

Format : face-to-face

Duration : 9h (1 day)

Dates : November 5 or 6, 2024

Prix : 1000 euros excl. tax, 800 euros excl. tax for Extractis members (training organization, not Qualiopi approved)

Objectives :

- Acquire or deepen knowledge of centrifugal decantation
- Gain a better understanding of this separation tool and its characteristics
- Acquire the main concepts of test operation

Pedagogical and technical resources :

- 8:30 am-9 am: Welcome

- 9 am-11 am: Overview of different separation methods.

Theoretical presentation of centrifugal decantation by Lemitec and Flottweg: the different laws (gravitation, gravity decantation, centrifugation), the influence of separation quality according to different criteria (particle size, product temperature, viscosity, density difference between phases, use of a flocculant, etc.).

Presentation of a micro-pilot tool and industrial machines with their different designs and control features.

Extractis' approach to integrating centrifugal decantation.

- 11 am-1 pm: How to carry out a centrifugal decantation separation project (the viewpoints of equipment manufacturers and Extractis) Part I

Decanter assembly, methodology to be implemented before a trial (spin tests...).

Several spin tests on different products.

- 1 pm-2 pm: Lunch

- 2 pm-5 pm: How to carry out a centrifugal decanter separation project (the point of view of equipment manufacturers and Extractis) Part II

What to do during the trial? What parameters should be controlled? What analyses should be carried out (MS, brix, material balance, etc.)?

Micro-pilot case study on 2 products

Disassembly and cleaning

Scale-up test on an industrial tool with 1 product

After the trial, how to analyze the results and find the right compromise between quality and yield.

Opening up to other separation technologies

- 5 pm-6 pm: Questions, evaluation

Speakers :

Marie-Sophie Charvin, manager, Lemitec GmbH

Patrice Maillet, commercial director, Flottweg France

Olivier Dupuis, technical director, Extractis

monitoring and assessment:

End of course: evaluation questionnaire and discussion

Information and registration: contact@extractis.com +33322337500