

Filtration technology questionnaire

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General company data

Company name:

Address:

Country:

Department:

Contact person:

Phone no.:

E-mail:

Homepage:

Project name:

Filtrations Task – Production of

Liquid Residues Liquid & residues

Aim of the project

New process / manufacturing principle

Increase of capacity

Replacement of an existing separation technology

R&D project

Mode of operation

Continuous

Batch wise

Daily operating time of filter:

Max. batch duration (h):

Slurry throughput (m³/h):

Batch size (m³/h):

Solids throughput (kg/h):

Solids loading / batch (kg):

How has operation been made so far?

What shall be improved?

Is the installation of the machine in an ATEX-rated area planned? Is explosion protection required?

Yes

No

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Slurry

Designation:

Density of the slurry (g/l):

Temperature (°C):

Solid content (g/l):

Viscosity (m²/s):

Average particle size (µm):

pH-value:

Particle structure:

Crystalline

Amorphous

Fibrous

Colloidal

Composition:

Solids:

Liquids:

Other:

Cake washing

Aim of cake washing:

Wash media:

Number of washing steps:

Temperature of wash media (°C):

Counter current washing: yes no

Number of counter current washings:

Max. total amount (m³/h or l/kg solids):

Other:

Filter cake & Filtrates

Desired residual moisture:

Desired washing result:

Is it allowed to measure the residual moisture with an infrared dryer?

No

If yes, at what temperature (°C)?

Alternative method for moisture determination:

What happens to the filter cake?

Max. solid content in main filtrate (g/l):

wash filtrate (g/l):

What happens to the wash filtrate?

Other:

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Recommended materials

Metals:	Elastomeres:
Plastics:	Filter media:
Other:	

Slurry sample

In order to perform filtration tests we ask for a slurry sample. For this we need approx. 5 to 10 liters of the slurry. Please bear in mind that our offer will be based on this sample. This means that the slurry needs to be representative for your application. In case that the material cannot be shipped or might change due to transport, storage or aging, we will be happy to perform the testing at your site.

Important note: Please check the date for the lab tests with us before shipping the slurry sample and provide a corresponding safety data sheet.

Place/date:

Signature/filled in by:

Send to BHS-Sonthofen via e-mail