BHS Filtration Technology

Questionnaire for Filtration Tasks

For evaluation of your filtration task we need a number of details. These serve as sizing basis for a large-scale filter and for preparation of possible lab tests. We therefore kindly ask you to answer the following questions as completely as possible.

1. Your Contact Data

Company: _____

Contact person: ☐ Mr. ☐ Ms. _____

Department: _____

Street/ No.: _____

Town: _____ Country: _____

Phone _____ Mobil: _____

E-mail: _____ Website: _____

Which is your industry and application?

2. Filtration Task

Production of: ☐ liquid ☐ residues ☐ liquid & residues

☐ other: _____

Aim of the project: ☐ new process/ manufacturing principle ☐ replacement of an existing separation technology

☐ increase of capacity ☐ R&D project

Mode of operation: ☐ continuous ☐ batch wise

daily operating time of the filter: _____ h/day max. batch duration: _____ h

slurry throughput: _____ m³/h batch size: _____ m³

solids throughput: _____ kg/h solids loading/ batch: _____ kg

How has the 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

3. Slurry

Designation: _____

Density of the slurry: _____ g/l Temperature: _____ °C

Solid content: _____ g/l Viscosity _____ m²/s

Average particle size: _____ µm pH value: _____

Type of solids: ☐ crystalline ☐ amorphous ☐ fibrous ☐ colloidal

Composition: solids: _____

liquids: _____

Other:

4. Cake washing

Aim of cake washing: _____

Wash media: _____

Number of washing steps: _____ Temperature of wash media: _____ °C

Counter current washing: ☐ no ☐ yes with _____ steps

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

Other:

BHS-Sonthofen Process Technology GmbH & Co. KG, An der Eisenschmelze 47, 87527 Sonthofen; Postfach 1164, 87515 Sonthofen; Germany
Tel.: +49 8321 6099-0, Fax: +49 8321 6099-220, info@bhs-sonthofen.com, www.bhs-sonthofen.com; USt.-Ident-Nr. DE 172518826
Standort Herrsching: Heinestr. 5, 82211 Herrsching, Germany; Tel.: +49 8152 9392-0, Fax: +49 8152 9392-91; info-pt@bhs-sonthofen.com
Geschäftsführer: Dennis Kemmann, Volker Spies, Detlef Steidl; Registergericht Kempten HRA 10898
Deutsche Bank Kempten, IBAN: DE19 7337 0008 0145 9890 00, BIC: DEUTDEMM733
UniCredit Bank AG Kempten, IBAN: DE23 7332 0073 0022 6673 86, BIC: HYVEDEMM428

Member of BHS-Sonthofen Group

5. Filter Cake & Filtrates

Desired residual moisture: _____ wt. % related to filter cake

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 main filtrate?

What happens to the wash filtrate?

Other:

6. Recommended Materials

Metals: _____ Elastomers: _____

Plastics: _____ Filter media: _____

Others:

7. 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 lab tests with us before shipping the slurry sample and provide a corresponding safety data sheet.

8. Comments

Please send the filled questionnaire to your contact person at BHS-Sonthofen GmbH or to the e-mail address filtration@bhs-sonthofen.com. We will take care of your request immediately!

BHS-Sonthofen Process Technology GmbH & Co. KG, An der Eisenschmelze 47, 87527 Sonthofen; Postfach 1164, 87515 Sonthofen; Germany
Tel.: +49 8321 6099-0, Fax: +49 8321 6099-220, info@bhs-sonthofen.com, www.bhs-sonthofen.com; USt.-Ident-Nr. DE 172518826
Standort Herrsching: Heinestr. 5, 82211 Herrsching, Germany; Tel.: +49 8152 9392-0, Fax: +49 8152 9392-91; info-pt@bhs-sonthofen.com
Geschäftsführer: Dennis Kemmann, Volker Spies, Detlef Steidl; Registergericht Kempten HRA 10898
Deutsche Bank Kempten, IBAN: DE19 7337 0008 0145 9890 00, BIC: DEUTDEMM733
UniCredit Bank AG Kempten, IBAN: DE23 7332 0073 0022 6673 86, BIC: HYVEDEMM428
Member of BHS-Sonthofen Group