**Filtration questionnaire**

As a basis to design and offer you a filter system suitable for your application, we need process information from you. Therefore, could you please provide the available data as accurately as possible.

**Information on the medium to be filtered**

*Composition of the liquid phase:* 1.

*(chemical or technical designation)*

 2.

 3.

*Composition of solids:* 1.

*(chemical or technical designation)*

 2.

 3.

*Product is:* [ ]  the filtrate

 [ ]  the solid residue

*Solids content of the suspension:*       weight %

*Average particle size of solids:* D50 =       μm

*Consistency of solids:* [ ]  crystalline [ ]  crumbly [ ]  sticky [ ]

*Sedimentation speed:*       cm/min

*Properties of the suspension:* [ ]  acidic [ ]  neutral [ ]  alkaline

 [ ]  toxic

 [ ]  explosive

*pH value of the suspension:*

*Temperature of Suspension:*       °C

*Viscosity of the suspension:*        mPa s at       °C

*Density:* suspension:      g/ l liquid:       g/ l

 bulk density of dry solid:       g/ l

**Details of the process**

*Application:* [ ]  pharma [ ]  food [ ]  chemistry [ ]  mining [ ]

*Planned production:* [ ]  mono-product plant

 [ ]  multi-product plant

*Filtration:* [ ]  continuous [ ]  batch by batch

 [ ]  batch separation required

*For continuous operation:*       m3/h during       hours/day

*For batch operation:* batch size       m3

 total duration per batch max       hours

 number of batches per 24 h

*Heating/cooling of the filter:* [ ]  no [ ]  yes to       °C

*Cake washing:* [ ]  no [ ]  yes

 *Washing medium:*

 *Temperature washing medium:*       °C

 *Planned wash ratio:*       l/kg dry matter

*How shall the filter residue be discharged?* [ ]  as slurry

 [ ]  as dehumidified cake with       % residual moisture

 [ ]  as paste

*Medium for drying:* [ ]  compressed air       bar       °C

 [ ]  nitrogen       bar       °C

 [ ]  steam       bar       °C

*Subsequent process steps:* clear filtrate:

 washing filtrate:

 filter cake:

*Type of project:* [ ]  process development [ ]  new production

 [ ]  capacity increase [ ]  replacement of existing filters

*What kind of filter has been used in*

*the process so far (brand, type)?*

*Current filter area:*       m2

*Filter media used:*

*Is filter aid used:* [ ]  no [ ]  pre-coating [ ]  added to

suspension

 pre-coating added to suspension

 [ ]  diatomaceous earth type             kg/ m²       kg/m³

 [ ]  cellulose type             kg/ m²       kg/m³

 [ ]  bleaching earth type             kg/ m²       kg/m³

 [ ]  activated carbon type             kg/ m²       kg/m³

 [ ]  other type             kg/ m²       kg/m³

*What is the spec. filtration performance*

*in the existing filter:*        l/m2h

*or measured in tests:*       l/m2h

*At what differential pressure is the filtration*

*stopped in your existing filter:*       bar at       mm cake thickness

**Construction materials**

*Expected scope of delivery:* 🞏 filter only 🞏 filter with skid-unit

*Which materials are suitable:*

*Which materials are not suitable:*

*Which sealing materials are suitable:*

*Material of filter media:*

*Installation planned in ATEX zone:* [ ]  yes [ ]  no

*Construction regulations/ codes/ guidelines*

*to be followed:*

**Additional information**

**Contact details**

**By returning this questionnaire, I agree to the use and electronic storage of my data.**

company:

name:       phone:

position/ dept.:       email:

address:

Date: Datum auswählen Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Thank you for the information provided. We look forward to your feedback.***