

## Questionnaire for Dust removal devices

### Company information

#### Sender

Company: \_\_\_\_\_  
Postcode: \_\_\_\_\_  
Town: \_\_\_\_\_

Customer no.: \_\_\_\_\_  
Street: \_\_\_\_\_

#### Contact person

Commercial: \_\_\_\_\_  
Phone: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Project: \_\_\_\_\_

Technical: \_\_\_\_\_  
Phone: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Project-no.: \_\_\_\_\_

### Commercial data

☐ new ☐ replacement ☐ Comparsio offer

Target price: \_\_\_\_\_ €  
Delivery time: \_\_\_\_\_ weeks

Quantity: \_\_\_\_\_ pcs. / a.  
Batch size: \_\_\_\_\_ pcs. / batch

### Technical data

#### Application / process

Designation: \_\_\_\_\_  
Operating hours: \_\_\_\_\_ Bh/a

☐ Suction oper. ☐ pressure oper. ☐ continual ☐ non-continual

Gas: \_\_\_\_\_

#### Dust

Designation: \_\_\_\_\_

Bulk density: \_\_\_\_\_ g/cm<sup>3</sup>

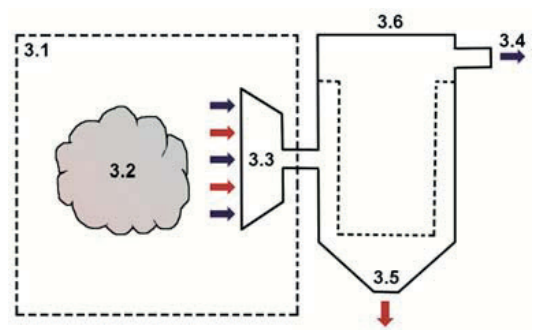
Particle size: \_\_\_\_\_ % < 1mm 50 % > \_\_\_\_\_ µm max. \_\_\_\_\_ µm

Particle form: ☐ round ☐ angular ☐ platelet-shaped ☐ fibrous ☐ needle-shaped ☐ flaky

#### Dust properties:

☐ free-flowing ☐ very fluid ☐ abrasive ☐ chargeable ☐ sticky ☐ oily  
☐ moist ☐ pyrophoric ☐ hygroscopic ☐ hydrophilic ☐ hydrophobic ☐ conductive

☐ Sending a representative dust sample Other dust properties: \_\_\_\_\_



# Questionnaire for Dust removal devices

Raw gas

☐ corrosive

☐ flammable

☐ organic solvents

Description: \_\_\_\_\_

Volume flow: \_\_\_\_\_ Bm³/h (Nm³/h)

Operating temperature: \_\_\_\_\_ °C min: \_\_\_\_\_ °C max: \_\_\_\_\_ °C

Humidity: \_\_\_\_\_ %

Absolute humidity \_\_\_\_\_ g/m³ \_\_\_\_\_ g/kg

Dust concentration: \_\_\_\_\_ g/Bm³ \_\_\_\_\_ kg/h

Clean detection: ☐ point detection ☐ booth ☐ hall ☐ continous ☐ discontinous

Clean gas

Required residual dust content: \_\_\_\_\_ mg/mm³ ☐ room culation ☐ into the open ☐ into after-filter ☐ process recirculation

Dust discharge

☐ product

☐ disposal

☐ recovery

☐ product change

☐ discontinuous (e.g. dust bucket)

☐ continuous (e.g. dust cone with flange connection)

Further information: \_\_\_\_\_

Installation site

☐ heated room

☐ unheated room

☐ roofed

☐ outdoor

Ambient temperature: \_\_\_\_\_ °C max. \_\_\_\_\_ °C

Further information: \_\_\_\_\_

## Safety

Dust properties

Flammable 

☐ yes ☐ no

☐ spontaneously combustible ☐ spark-producing ☐ contains solvents

☐ toxic ☐ carcinogenic

Zone classification (ATEX): ☐ no Information on zone classification (operator obligation according to BetrSichV)

Dust zones

In installation room ☐ 20 ☐ 21 ☐ 22

In raw gas ☐ 20 ☐ 21 ☐ 22

Minimum ignition energy ☐ > 10 mj ☐ 3 - 10 mj\* ☐ < 3 mj\*

Gas zone

☐ 1 ☐ 2

☐ 1 ☐ 2

☐ < 3 mj\*

\* Fill in appendix ATEX

Process data

Could ignition sources be introduced into the dedusting system?

☐ no

☐ yes (Please fill in appendix ATEX)

Special procedures

☐ no o.

☐ Central dedusting system

☐ mechanical conveyor

☐ grinding plant

☐ Drying plant

☐ Silo top filter

Further information: \_\_\_\_\_

☐ Safety Data Sheet (Appendix)

☐ Explosion characteristics dust (plant)

# Questionnaire For Dust removal devices

## Device design

☐ floor unit

☐ top filter

with fan

yes ☐ no ☐

Material: ☐ standard steel ☐ stainless steel

Designation: \_\_\_\_\_

Installation place: \_\_\_\_\_

max. length: \_\_\_\_\_ m max. width: \_\_\_\_\_ m max. height: \_\_\_\_\_ m max. weight: \_\_\_\_\_ kg

Further information: \_\_\_\_\_

## Fan

☐ 2-phase (alternating current)

☐ 3-phase (three-pase)

☐ speed control

Voltage : \_\_\_\_\_ V frequency: \_\_\_\_\_ Hz Sound pressure level: \_\_\_\_\_ dB(A) (1,5m distance)

Required free compression: \_\_\_\_\_ Pa Fan pressure side ☐ free blowing ☐ piped

☐ fan available

Power : \_\_\_\_\_ kW

Volume flow: \_\_\_\_\_ m³/h

Pressure: \_\_\_\_\_ Pa

Operating point: \_\_\_\_\_ Pa

maximum: \_\_\_\_\_ Pa

## Concluding remarks

Other regulations / requirements: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drawings: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Attachments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Place / Date: \_\_\_\_\_ Signature: \_\_\_\_\_



## Your Contact

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