

# Questionnaire dust-gas-filtration

## Contact

Company: \_\_\_\_\_  
Adress: \_\_\_\_\_  
Name: \_\_\_\_\_  
Phone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

## Aggregate

Manufacturer + type number: \_\_\_\_\_  
Year of construction: \_\_\_\_\_  
Design of filter element:  sleeve  bag  
Precipitator:  yes  no  
Number of chambers: \_\_\_\_\_  
Number of filter elements per chamber: \_\_\_\_\_  
Dimension of filter elements: \_\_\_\_\_ length (mm)  
\_\_\_\_\_ Ø (mm)  
Design on top:  snap ring  overfold + cord/metal ring  
Deisgn below:  bottom  doubled bottom  
 bottom + collar  open  flat sewed  
Longitudinal seam:  welded  sewed  
Cleaning:  reverse air  shaking  pulse air  
Surface loading in: \_\_\_\_\_ m<sup>3</sup> air/m<sup>2</sup> filter area/min.

## Process conditions

Location of aggregate:  inside  outside  
Outside/Inside/  
Working temperature: \_\_\_\_\_ C°  
Continuous operation:  yes  no  
Air moisture:  high  low  
Power of ventilator: \_\_\_\_\_  
Loss in pressure: \_\_\_\_\_

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## Gas

Composition: \_\_\_\_\_

Dust load (raw gas): \_\_\_\_\_ (g/m<sup>3</sup>)

Dust load (clean gas): \_\_\_\_\_ (mg/m<sup>3</sup>)

Air supply in m<sup>3</sup>/h: \_\_\_\_\_ (m<sup>3</sup>/h)

Water dew point: \_\_\_\_\_

Static charge:  yes  no

Chemical loading: \_\_\_\_\_

## Dust

Type: \_\_\_\_\_

Composition: \_\_\_\_\_

Specific weight: \_\_\_\_\_

Dimension: \_\_\_\_\_

Properties:  abrasive  sticky  oily  
 poisonous  acidly  electrostatic  
 wet  corrosive  agglomerated

others: \_\_\_\_\_

Particle size distribution: \_\_\_\_\_ (%)

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## Filter material

Quality:  weave  Needle felt

Type of fibre: \_\_\_\_\_

Price: \_\_\_\_\_

Air permeability at 20 mm WS: \_\_\_\_\_ (l/dm<sup>2</sup>/min)

Weight: \_\_\_\_\_ (g/m<sup>2</sup>)

Finishing: \_\_\_\_\_

Antistatic treatment:  yes  no

## Operation experiences

Regular life time: \_\_\_\_\_

Washing cycle: \_\_\_\_\_

Blocking:  yes  no

Mechanical damage:  yes  no

Loss in shape:  yes  no

Other problems: \_\_\_\_\_

## Additional information

\_\_\_\_\_

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