

ONE MINUTE PAPER

Number of participants: 14

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ONE-MINUTE PAPER

1. What is the most important thing you learned in class today?

Unfortunately, I have to repeat everything again because there were too much details for me

Cyclone has to be used as a pretreatment because compare with the other techniques has a lower eff.

we understand general concepts, and details of designing & pros and cons of cyclone & fabric filters

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Performances and Design of Cyclones

calculations about cyclone design

the impact of diameters of cyclones and particles on the efficiency

Eff. increases with increasing particle diameters, and eff. increases with decreasing body diameters

Do the cyclone dimensions effect the efficiency of particles removal?

There are optimum design conditions for cyclones.

Smaller D cyclones have greater efficiencies, but I need more than one.

the relationship of the cyclone removal efficiency with the different geometrical characteristics

The fundamental principle for pm remove and the main forces effect the separation

1. Configuration and efficiency of gravity settling chamber and cyclones for large PM removal.

Cyclone efficiency depending to a lot of parameters

The physics behind the cyclone

2. What question remains uppermost in your mind?

How to know where to choose one of them? Comparison of their work in the same situation.

Is $Nm^3/min = m^3/min$? What does "N" stand for?

How to use tables with design configurations of classical cyclons

Calculation procedure for the efficiency of cyclone.

How to change D in the last exercise, I'll try to repeat it at home to understand.

in the efficiency calculation, wich value of d_p I have to take if I have a range of diameters?

Is the type of pm can effect what device we should use or its matter of size only ?

How to maximize efficiency with very small particles?

Which column to use for the configuration of a classical cyclone