



Vulcan - Cyclon filter for aspirating detection in extremely dusty environments

What is Vulcan?

Vulcan is a cyclon filter that separates both dust and condensation from the sampled air, before it reaches the Aspect's detection chamber, without affecting the sensitivity. It has been carefully designed not to increase transportation time by more than five seconds.

How it works?

To achieve optimal effect of Vulcan, the air velocity in the pipe should be at least 2.5 m/sec into the Vulcan. The vortex movement generated inside the cyclone allows the larger and more dense particles to be settled in the bottles located in the lower part of the filter.

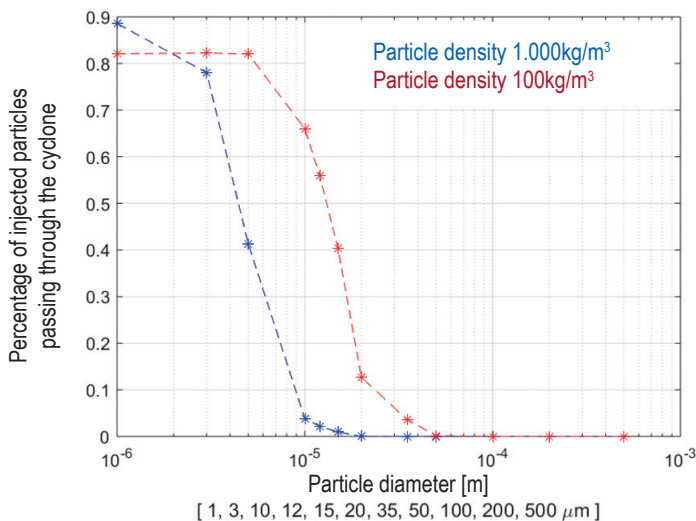
Where to use Vulcan filter?

Vulcan filter is only required in environments with large particles sizes ($>5\mu$) and an extreme amount of dust.



APPLICATION EXAMPLES

Recycling plants, wood industry, textile industry, raw material warehouses and in general industries with a significant amount of dust. Also poultry and pig farms are typical application areas.



Cyclone effect **eliminates almost 100% of particles larger than 5 μ** and the water before entering the aspirating detector.