

Electro-Static Filter Upgrade Solution Overview

Qey distribute Sabiana's 'Crystal' range of Electro-Static Filters for purposes of energy reduction of AHU's and other HVAC equipment.

As well as energy savings, electrostatic filters have high bacterial filtration properties.

Overview of Advantages:

- 70% reduction in pressure drop versus a traditional bag filter
- 97% Filter efficiency capable of filtering 0,01 um particles (nano particles)
- Filters several different types of microbes and bacteria
- Proven to filter 88% of E.coli particles, allowing for a benchmark for other types of particles
- For energy saving, requires demand ventilation control such as VFD Fans or EC Fans
- Allows a reduction in fan speed for the same airflow
- No requirement to change or repurchase filters, washable solution

Install / Survey Requirements:

- Measurement of existing bag filter pressure drop
- Measurement of height and width of existing bag filters
- Calculation of difference in pressure drop
- Calculation Reduction in Fan Total Static Pressure Requirement and Power at the reduced fan speed

