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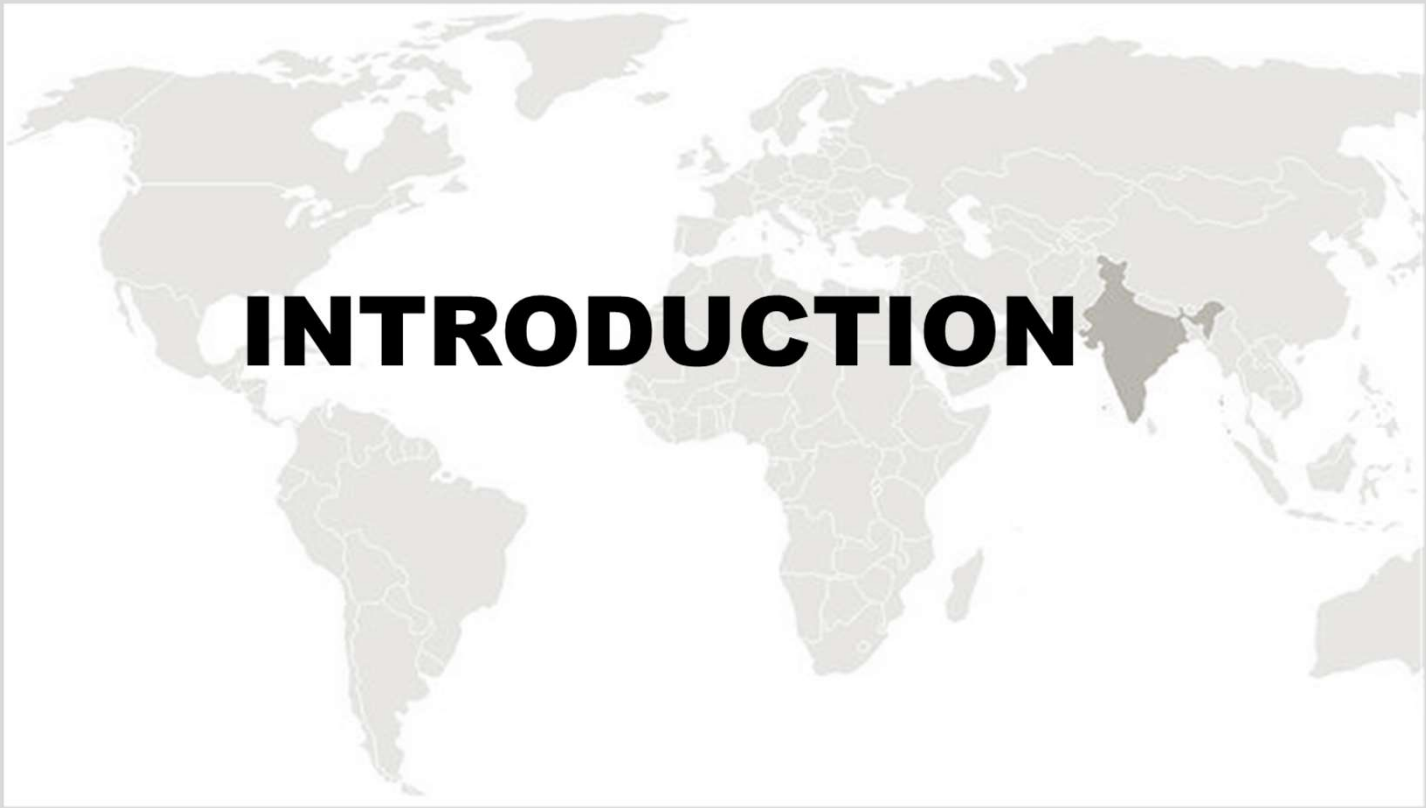

INTRODUCTION

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Air filters are not rated by micron size on an absolute basis. (See technical service bulletin 89-5R from the Filter Manufacturer's Council) The proper rating system for air filters is a testing procedure developed to measure the efficiency of the filtration media at varying micron sizes. We routinely subject a sample of our air filters to this testing procedure conducted by independent laboratories. A micron (one-millionth of a meter) is a unit used for microscopic measurements. A human hair is approximately 75-microns.

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What is micron rating?

- A measure of the pore size in the filter media. Expressed as either ‘Nominal’ or ‘Absolute’. Nominal Rating relates to the percentage of particles at a given size that a filter can capture i.e. 10 microns at 90% means it will remove 90% of particles 10 microns in size. Absolute refers to the removal of all particles at a given micron size and larger i.e. 20 micron absolute means 100% of particles 20 microns or greater will be captured.

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- The lower the micron rating, the greater the efficiency and hence the amount of dirt that is captured.
- When comparing different filter brands micron rating, you need to make sure that the same test procedures have been followed.

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What is filter efficiency?

- The percentage of dirt that a filter removes. The filter 'media' determines what the air has to pass through and where the dirt is trapped. The more twists and turns a particle of dirt has to take, the more likely it is to be captured.

- The higher the efficiency, the higher the % of dirt retained by the filter. Filters are least efficient when new and become most efficient just before "plugging".

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What is flow?

- How easily air flows through the filter. Minimising resistance to flow ensures that the Air conditioner is never starved of air. Poor flow in a filter deprives Air conditioner of their vital needs, causing them to work harder, lose power and create rapid Air conditioner wear over shorter periods.

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Is a regular service interval filter change necessary -

Given the importance of efficiency, life and flow, regular filter changes with a good quality filter provide optimum performance and Air conditioner life.

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