

# FILTERCARTRIDGES **FILTER ONE**

The depth cartridges FILTER ONE FO Series are designed to obtain a high efficiency and filtration of various liquids having impurity. Using only 100% pure polypropylene they are manufactured through state of the art technology. They are generally used in applications that require extremely high quality filtration.

During the manufacturing process, the polypropylene is mixed with compressed hot air. Then it is stratified on a rigid polypropylene core through a continuous and constant rotating movement. This process infuses and intersects the polypropylene fibres amongst themselves.

This creates the so called "Depth Cartridge" guaranteeing a uniform filtration along all the surface of the cartridge. The Polypropylene fibres used are always and only of first choice which processed at high temperatures welds them together eliminating any possibility of losing particles residuals.

The range vary from 1 to 90 micron and standard lengths are 9"3/4 to 40". The cartridges are made up as one whole piece no matter what length.

## PECULIAR CHARACTERISTICS:

- High Depth Filtration
- Constant filtration on all surface
- High Yield
- High resistance to compression
- High Stability
- Lower pressure drop
- No residual or particle loss

## FILTER EFFICIENCY:

The FILTER ONE Cartridges are fully tested to achieve at least 95% filtration efficiency. This means that a 10 micron Cartridge will filter 95% of particles having a diameter of 10 micron or more. The extraordinary filtration capability of the FILTER ONE cartridges is obtained thanks to its wide filtering surface and compactness which is distributed along all the surface of the cartridge itself.

The cartridges need to be changed when a loss in pressure drop is detected or in any case when the specific filtering application requires it.

## APPLICATIONS:

The FILTER ONE cartridges can be used as endline filtration or as pre-filtration.

Applications:

- Water treatment
- Electronic / Nuclear
- Biotechnology / Fine chemicals
- Food / Beverage
- Coatings / Resins
- General Industrial
- Pharmaceutical / Cosmetics
- Bulk chemicals / Petrochemicals
- Galvanic



FILTER ONE Cartridge



FILTER ONE Cartridge



Competitors Cartridge



Competitors Cartridge

## Cartridge Comparison

Under exact same operating conditions FILTER ONE Cartridge clearly shows its very high efficient filter performance capacity against the evident "breakthrough" of competitors cartridge