

Precision filter test report

Manufacturer: **Dongguan Chuangzhi Machinery Co., Ltd.**

Product is guaranteed to meet the following specifications : **ISO-8573.1**

Product number: Filter element: **1030A**

Lot number: 20230210

Date: 2023.02.10

Filter element:

Filter material: Activated carbon fiber felt

Production process: Twine

Dimensions (mm): **42*54**

Outer frame: 430 stainless steel

Center column: 430 stainless steel Internal

Upper and lower cover material: Engineering plastics

Maximum working pressure: **6.4Mpa**

Operating pressure: **6Mpa**

Sealing material: nitrile rubber

Typical gas flow: **Q>=0.5M³/min**

Filtration precision: **0.01um**

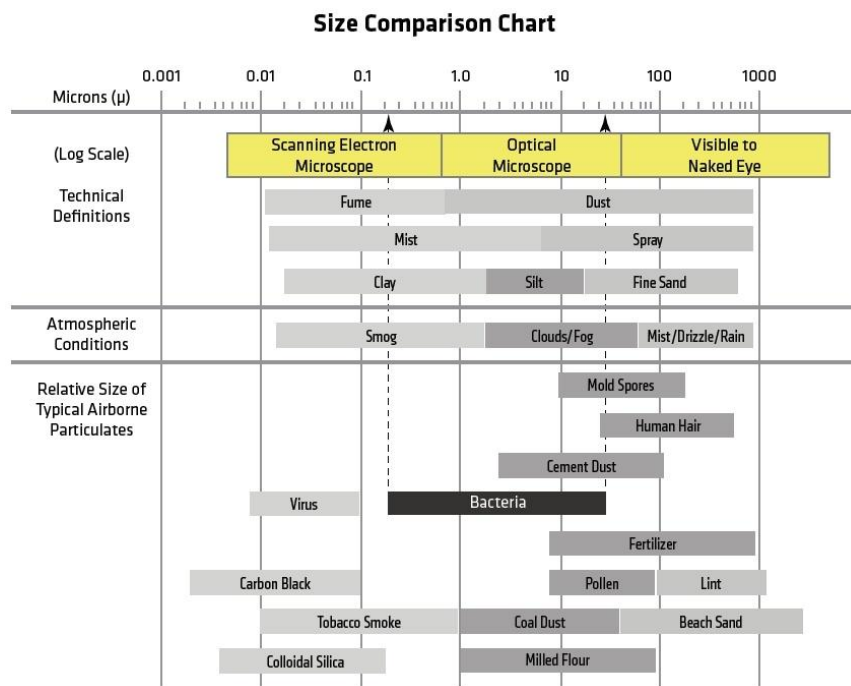
Particle Filtration Efficiency: **99.999%**

Oil mist filtration efficiency: **0.01mg/m³**

Maximum allowable differential pressure: **0.07MPa**

Pressure loss (kgf/cm²) : **<=0.06**

Maximum operating temperature: **80 °C**



As shown in the figure, the compressed air entering the sterilizing filter must first pass through at least three stages of precision filters and dryers. When removing oil, water, and dust, the oil mist concentration should be ≤ 0.01 PPM, otherwise it will affect the life of the sterilization filter element and fail to achieve the expected sterilization effect.

The filter element we provide can achieve sterilization and filtration functions under normal use, and the temperature is **85 degrees**

The time needs to be determined according to the actual working environment!

But in practice, it should be used with stainless steel steam sterilization filter, because its high temperature sterilization effect is better, and the operating temperature is 120-150 degrees

Dongguan Chuangzhi Machinery Co., Ltd.
Quality Inspection Department

