

# ZGF TECH BRIEF

## HOW BIG IS A MICRON?

The Most Advanced, Automatic,  
Non-Disposable Liquid Filtration System

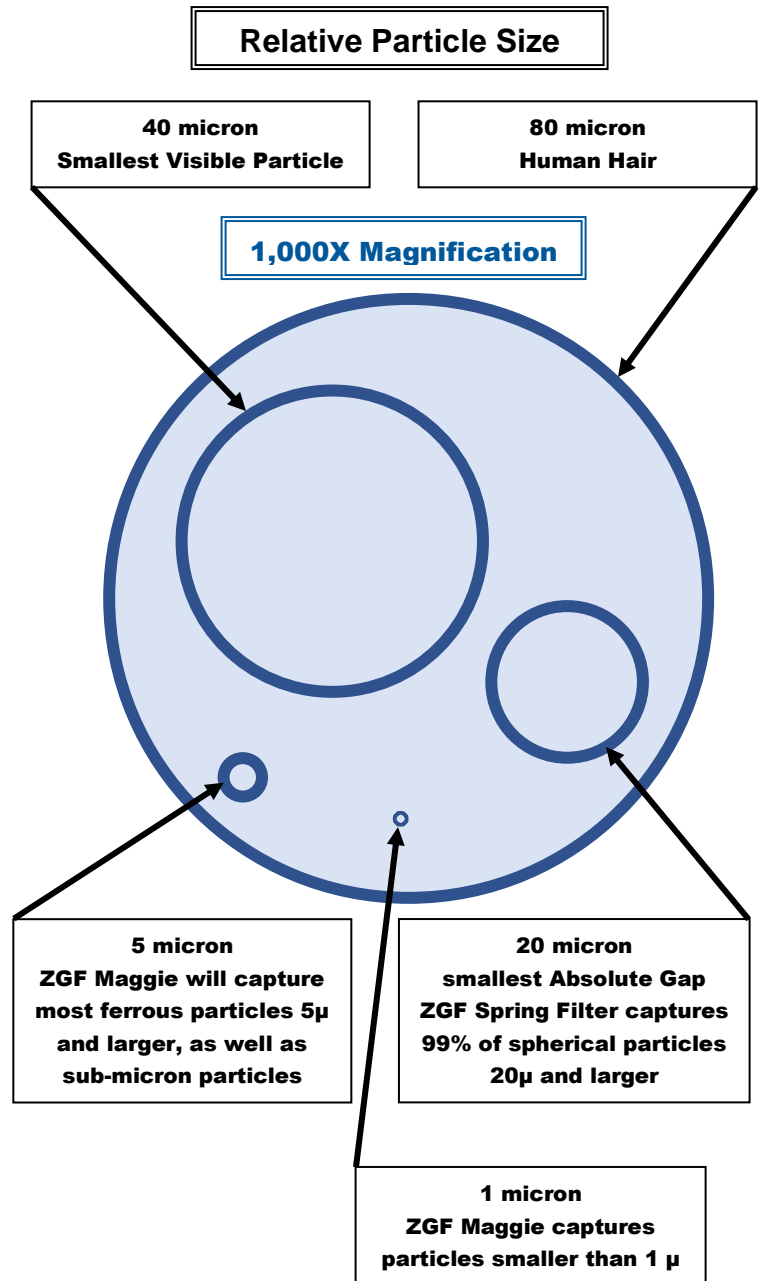


Micron ( $\mu$ ) is a term tossed around all the time when discussing filtration. But what is a micron ( $\mu$ )?

In metric terms, a micron is one millionth of a meter, or 1 micron =  $1 \times 10^{-6}$  meter

In English terms, a micron is 1 inch divided into 25,400 equal parts, or 1 micron =  $3.937 \times 10^{-5}$  inch

OBJECT	PARTICLE SIZE
Visible by Human Eye	~40 $\mu$
Human Hair	70 – 100 $\mu$
Iron Dust	4 – 20 $\mu$
Sand	63 – 2,000 $\mu$
Table Salt	100 - 300 $\mu$
Sugar Crystal	500 $\mu$
Powdered Sugar	50 $\mu$
Bacteria	1 – 60 $\mu$
Pollen	10 – 40 $\mu$
Mold Spores	3 – 100 $\mu$
Silt (Lake / River Water)	4 – 63 $\mu$
Airborne Particles (soot, smoke, silt, dust, fine sand, bacteria, virus, pollen, etc.)	Less than 1 $\mu$ to Greater than 100 $\mu$
Red Blood Cell	8 $\mu$
White Blood Cell	25 $\mu$



ZGF has a solution for all your filtration needs.

ZGF Spring Filter elements are available in Absolute Gap micron ratings ranging from 20  $\mu$  - 400  $\mu$ ; and ZGF Maggie technology can remove virtually all your problematic ferrous particles.