

WHAT IS A MICRON?

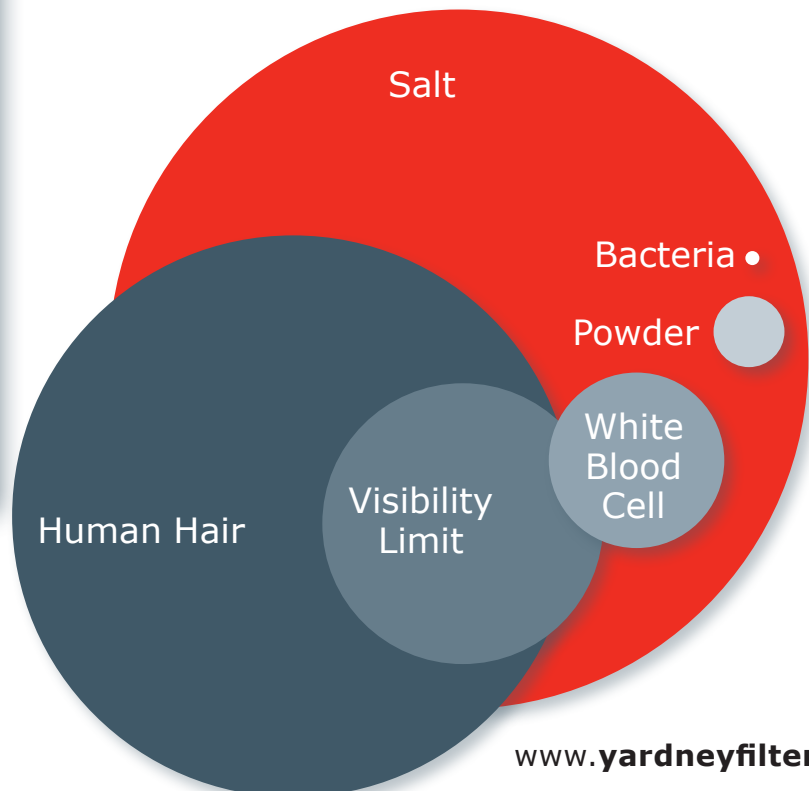
| Filtration Unit Conversion Chart | | |
|----------------------------------|-------------|----------|
| Mesh | Micron (µm) | Inches |
| 4 | 5205 | 0.2030 |
| 8 | 2487 | 0.0970 |
| 10 | 1923 | 0.0750 |
| 14 | 1307 | 0.0510 |
| 18 | 1000 | 0.0394 |
| 20 | 840 | 0.0331 |
| 25 | 710 | 0.0280 |
| 30 | 590 | 0.0232 |
| 35 | 500 | 0.0197 |
| 40 | 420 | 0.0165 |
| 45 | 350 | 0.0165 |
| 50 | 297 | 0.0117 |
| 60 | 250 | 0.0098 |
| 70 | 210 | 0.0083 |
| 80 | 177 | 0.0070 |
| 100 | 149 | 0.0059 |
| 120 | 125 | 0.0049 |
| 140 | 105 | 0.0041 |
| 170 | 88 | 0.0035 |
| 200 | 74 | 0.0029 |
| 230 | 62 | 0.0024 |
| 270 | 53 | 0.0021 |
| 325 | 44 | 0.0017 |
| 400 | 37 | 0.0015 |
| 550 | 25 | 0.0009 |
| 800 | 15 | 0.0006 |
| 1250 | 10 | 0.0004 |
| - | 5 | 0.0002 |
| - | 1 | 0.000039 |

Threshold of visibility is 400 mesh or 37 microns.

| Micron size of family particles | |
|---------------------------------|-------|
| Grain of table salt | 100µm |
| Human hair | 80µm |
| Lower limit of visibility | 40µm |
| White blood cell | 25µm |
| Talcum powder | 10µm |
| Bacteria | 2µm |

Some filtration companies advertise filtration levels down to 5 micron. **No unaided sand media filter system is capable of achieving consistent filtration levels of 5 micron.** Be sure that your filtration media is providing the level of filtration required.

| Sand designation | Type | Micron | Mean filtration capability (mesh) |
|------------------|-----------------|--------|-----------------------------------|
| #8 | Crushed granite | 1840 | 100-140 |
| #11 | Crushed granite | 952 | 140-200 |
| #16 | Silica sand | 806 | 140-200 |
| #20 | Silica sand | 524 | 200-230 |



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