cobetter filtration



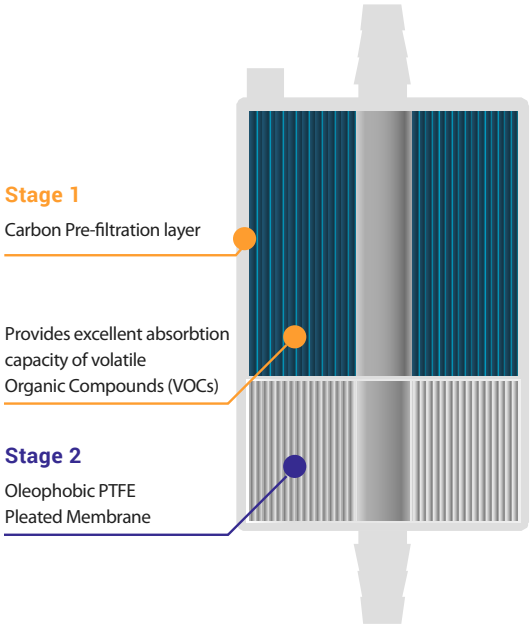
# VOC/ULPA PURIFICATION/FILTRATION CAPSULES

## ULTRA-LOW PARTICULATE AIR FILTERS FOR THE PURIFICATION AND FILTRATION OF SURGICAL SMOKE FROM OPERATING ROOMS


Surgical smoke decreases site visibility and impacts air quality in the surgical room. Although the long-term influence of surgical smoke on hospital staff remains unknown, there is a need to reduce the risk of being exposed to surgical smoke in order to prevent any harm. Surgical smoke evacuation ULPA filter are qualified as being at least 99.999% efficient in removing particles with a size of 0.12µm or larger that may be emitted during a surgical procedure.

Cobetter ULPA filter uses pleated oleophobic PTFE membrane as the final filtration media to prevent any liquids (aquious or oils) from passing through the filter. Together with carbon or other pre-filtration layers, it provides 99.999% efficiency in removing airborne particles (0.12µm) in the operating room.

| FEATURE | BENEFIT |
|---|---|
| **Two-Stage Design** | Removal of VOCs and particulates in one device<br>Stage 1: Carbon pre-filtration layer, provides excellent filtering capcity for VOCs<br>Stage 2: Oleophobic PTFE pleated membrane removes fine particles and traps droplets. |
| | Excellent filtration<br>Removes unpleasant odor<br>High dirt holding capacity<br>Maximum lifespan |
| **Quality standards** | Oleophobic level of membrane correlates to AATCC Test Standard 118 |
| | Filter class is tested based on the EN 1822 Standard |




| SPECIFICATIONS | |
|---|---|
| **Filtration Media** | Stage 1: Activated Carbon Unit<br>State 2: Oleophobic PTFE Filtration Unit |
| **Shell** | Polypropylene |
| **Inlet/Outlet** | 1/4" hose barb (other fittings available upon request) |
| **Efficiency** | 99.999% of particles ≥0.12µm |

**Application:**

- Surgical Smoke Removal

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