

## IV FILTERS

### PATIENT SAFETY DURING INTRAVENOUS THERAPIES

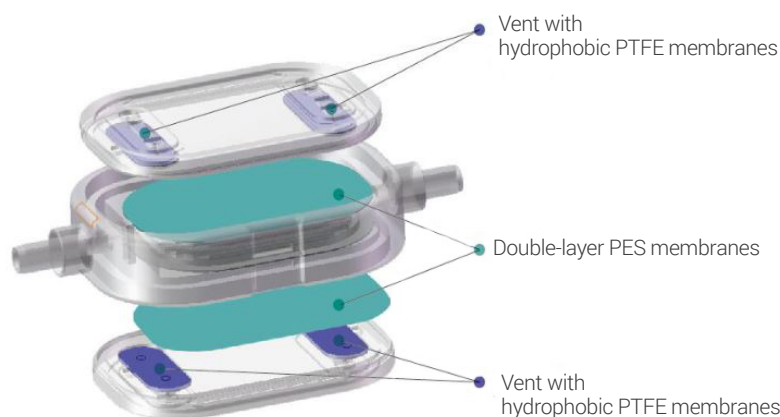
Cobetter IV Filters ensure patient safety during intravenous therapies by eliminating particulate debris, reducing adverse reactions and immune responses. They also remove gas bubbles from IV lines, significantly minimizing the risk of air embolisms. Cobetter IV filters are equipped with high quality PES membrane and PTFE membrane.

| FEATURE                                | BENEFIT  |
|--|--|
| <b>In-line IV filtration media</b>     | Large media surface area for higher flow rates, eliminating inadvertent particulate debris in IV lines   |
|  | Maximizes delivery of drugs with double-side low protein binding PES membrane  |
|  | Available in PES or Hydrophilic PTFE membrane to match filtration requirements   |
| <b>Self-venting filter</b>             | Self-venting filter removes gas bubbles from IV lines, significantly minimizing the risk of air embolisms. Eight venting holes with hydrophobic PTFE membrane, located close to the upstream and downstream positions, can better exhaust, avoid gas bubbles entering into the human body, ensure long-term hydrophobic performance without leakage.   |
| <b>Clean Materials of Construction</b> | Materials of construction contain no natural rubber latex, or latex derivatives, PVC, or hydroxyvinyl chloride.  |
| <b>Small, compact design</b>           | Ideal for alternate site and ambulatory care applications.   |
| <b>Quality assurance</b>               | These products are manufactured in a facility which adheres to ISO 9001 Practices.   |
| <b>Biological Safety</b>               | <ul style="list-style-type: none"> <li>• IV filter devices with 0.2 <math>\mu\text{m}</math> positive charged PES membrane, 96H infusion, endotoxin retention available</li> <li>• IV infusion filter 1.2 <math>\mu\text{m}</math> passed the challenge experiment of <i>Candida albicans</i> bacteria retention</li> <li>• IV in-line filter 0.2 <math>\mu\text{m}</math> passed the challenge experiment of <i>Pseudomonas deficient</i> bacteria retention</li> </ul> |



#### Typical Applications:

- Aqueous IV Solutions
- IV Fluid Delivery Filtration
- Endotoxin Retentive Filter Application
- Chemotherapy
- Antibiotic Therapy
- Nutrient Admixture Filter Application
- TPN and Lipid Containing Solutions
- Drug Therapy
- Infusion Therapy
- Saline Filtration
- Any process requiring the removal of entrapped air from liquid solutions



## SPECIFICATIONS

|   |   |
|---|---|
| <b>Biological Safety</b>  | USP class VI-121°C test and ISO 10993   |
| <b>Dimensions</b>   | Length: 61 mm (2.4")<br>Width: 30 mm (1.2")   |
| <b>Effective Filtration Area</b>                                | Hydrophilic PES Membrane: 9.0 cm <sup>2</sup><br>Hydrophobic PTFE Membrane: 2.8 cm <sup>2</sup> |
| <b>Inlet/Outlet Connections</b>                                 | Standard Connectors:<br>Outside Diameter : 3.6 mm (0.142")<br>Inside Diameter : 2 mm (0.078")   |
| <b>Materials of Construction</b>                                | Filter Media: PES membrane<br>Housing: Clear modified acrylic<br>Vent: 0.02 µm supported PTFE   |
| <b>Max. Operating Pressure</b>                                  | 3.1 bar (45 psi)  |
| <b>Min. Water Bubble Point</b>                                  | 0.2 µm: ≥ 3.5 bar<br>1.2 µm: ≥ 0.8 bar<br>3.0 µm: ≥ 0.45 bar<br>5.0 µm: ≥ 0.27 bar              |
| <b>Min. Water Flow Rate<br/>(at 100 cm (39") head pressure)</b> | 0.2 µm: ≥ 25 mL/min<br>1.2 µm: ≥ 100 mL/min<br>3.0 µm: ≥ 120 mL/min<br>5.0 µm: ≥ 150 mL/min     |
| <b>Pore Size</b>  | 0.2µm, 1.2µm, 3µm, 5µm  |
| <b>Priming Volume</b>   | 2.0 mL  |
| <b>Pyrogenicity</b>   | < 0.25 EU/mL using the LAL test method  |
| <b>Sterilization Compatibility</b>                              | EtO   |

## ORDERING INFORMATION

EXAMPLE: **CBTIV0120001DTE** = PES membrane, 1.2 µm pore size

**CBT**



**Type**

IV = PES membrane  
PC = Positively charged  
PES membrane



**Pore Size**

IV Type:  
0022 = 0.2 µm  
0120 = 1.2 µm  
0200 = 3.0 µm  
0500 = 5.0 µm  
PC Type:  
0022 = 0.2 µm



**Housing/Connectors**

001 = clear housing, SIV connectors



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