VIRAL/BACTERIAL FILTER

I. Definition: Device with filter media placed inline to prevent movement of viral or bacterial pathogens from expired air on ventilation during airway management.

II. Specifications:
   1. End connector size: 22 mm ID x 15 mm ID/22 mm OD
   2. Bacterial efficiency 99.999+%; viral efficiency 99.99+% 

III. Indication: Use to prevent pathogen transmission during airway management procedures

IV. Contraindication: None

V. Use of the Viral Filter
   1. Bag Valve Mask
      a. Face mask > viral filter > bag device
2. Advanced Airway
   a. I-gel or King Airway SGA > viral filter > ETCO2 connector > bag device
   b. Endotracheal tube > viral filter > ETCO2 connector > bag device

3. CPAP
   a. Face mask > viral filter > CPAP valve

VI. Considerations
   1. Minimize aerosol-generating procedures (BVM ventilation, oropharyngeal suctioning, nebulizer treatments, CPAP) for suspected COVID-19 patients.
2. For airway management procedures, wear personal protective equipment (PPE) at minimum to include N-95 mask, gloves, and eye protection.

3. For the CPAP mask, when the filter is placed then the nebulizer cannot be used, the filter will filter out the medication.