

Heat and Moisture Exchanger

Good Humidity and Heat Preservation
High Bacterial & Viral Filtration Efficiency
Extension of Use Time



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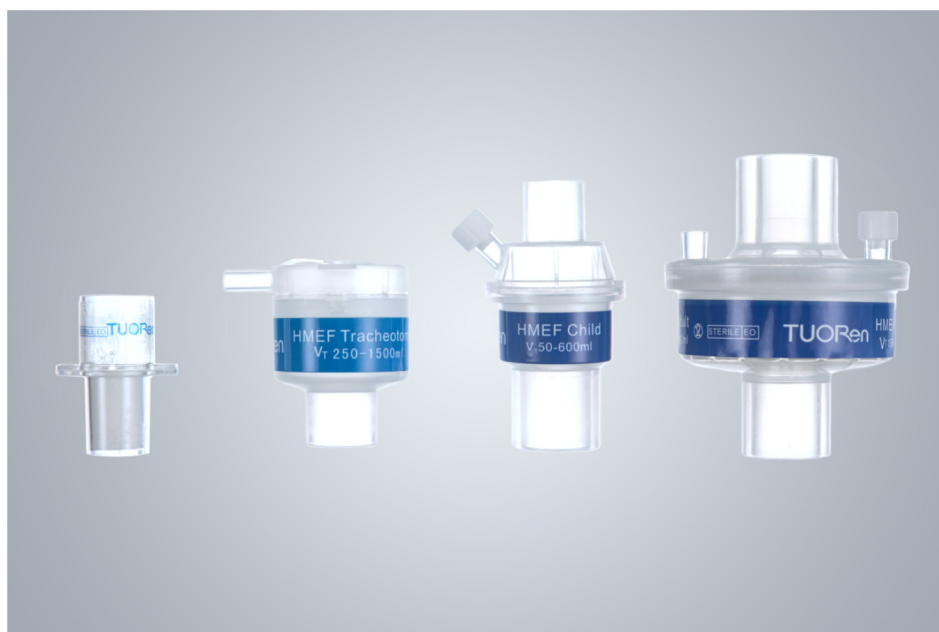
Tuoren is a health care solutions provider focusing on medical consumables and extending to electronic medical devices, surgery devices and biomedical materials. International subsidiaries are established in the United States, India and Kenya. Its products are exported to over 60 countries and regions in the world.

Heat and moisture exchanger collect and retain the heat and water vapor in the breath. While inhaling, the air passes through the artificial nose and is brought into the airway in the state of damp and warm. Meanwhile, it has a certain filtering effect on bacteria and can reduce the risk of pipeline being polluted by bacteria.





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- Feature**
1. Filtration rate of virus and bacteria up to 99.999%.
 2. Provide warm and humid gas to reduce the incidence of related complications.
 3. Avoid cross infection of breathing machine, reduce risk of pulmonary infection.
 4. ISO tapered connector minimizes air leak.
 5. Salted heat and moisture exchangers can be used for longer time.

| HME |  |  |  |  |
|----------------------------------|---|---|---|---|
| HME Type | Adult | Child | Infant | Tracheostomy |
| CAT.NO | HMEA00 | HMEC00 | IHME00 | HMET00 |
| Shell Material | PP | PP | PP | PP |
| ISO International Standard Joint | 22M/15F-22F/15M | 15M-15F/22M | 15M15F | 15F |
| Tidal Volume | 150-1000ml | 50-600ml | 15-50ml | 250-1500ml |
| Dead Space | 33.5ml | 12ml | 1ml | 5ml |
| Weight | 25g | 10g | 5g | 9g |
| Pressure Drop | | | | |
| 30L/min; | 0.03kPa; | 0.04kPa | 0.16kPa | / |
| 60L/min; | 0.04kPa; | 0.14kPa | 0.54kPa | |
| 90L/min | 0.1kPa | 0.34kPa | 1.12kPa | |
| Sterility | Sterile | Sterile | Sterile | Sterile |
| Recommended time | 24h | 24h | 24h | 24h |
| Shelf life | 5 years | 5 years | 5 years | 5 years |

HEPA

| | | |
|----------------------------------|-----------------|-----------------|
| HME Type | HEPA | HEPA |
| CAT.NO | HEPA00 | HEPA01 |
| Shell Material | K resin | Polypropylene |
| ISO International Standard Joint | 22M/15F-22F/15M | 22M/15F-22F/15M |
| Tidal Volume | 150-1500ml | 200-1500ml |
| Dead Space | 60ml | 52ml |
| Weight | 46g | 40g |
| Pressure Drop 30L/min; | 0.03kPa | 0.156kPa |
| Sterility | Sterile | Sterile |
| Recommended time | 24h | 24h |
| Shelf life | 5 years | 5 years |

**Salted HME**

| | | | | |
|----------------------------------|-----------------|-------------|---------|--------------|
| Salted Type | Adult | Child | Infant | Tracheostomy |
| CAT.NO | HMEAS00 | HMECS00 | IHMES00 | HMETS00 |
| Shell Material | PP | PP | PP | PP |
| ISO International Standard Joint | 22M/15F-22F/15M | 15M-15F/22M | 15M15F | 15F |
| Tidal Volume Range | 150-1000ml | 50-60ml | 15-50ml | 250-1500ml |
| Dead Space | 33.5ml | 12ml | 1ml | 5ml |
| Sterility | Sterile | Sterile | Sterile | Sterile |
| Recommended time | ≥24h | ≥24h | ≥24h | ≥24h |





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