

ADVANCED SOLUTIONS FOR VENTILATORS that enhance patient care.



One Partner. Multiple Options.

Want to speed ventilator development time? Think Parker. Our broad portfolio of high performance products – in conjunction with our ability to design and manufacture complex, integrated assemblies – make us a strong, reliable partner for medical device manufacturers.

From product concept and launch to long-term sustainability, you can count on Parker to work one-on-one with you to create and deliver:

- Inventive system solutions utilizing our complete range of proven products
- Advanced technologies that are smaller, lighter, more energy efficient, and highly reliable
- Unique materials suited to life-sustaining applications and functional requirements

Parker's breadth of technology extends from flow control, valves, fittings, and tubing to materials science, delivering selectable levels of integration for you.

Our more than 30 years experience with global medical and analytical device OEMs translates directly into faster development, improved life, and greater value for you.



Innovative Solutions for:

- Acute care ventilators
- Home care ventilators
- Transport ventilators
- CPAP and BiPAP
- Anesthesia ventilators
- Airway management

Parker Capabilities:

- Rapid prototyping
- Finite Element Analysis
- Material science expertise
- Custom components
- Integrated solutions
- Logistics management



ENGINEERING YOUR SUCCESS.

Parker Technology and Product Expertise for Medical Ventilators

FLUIDIC COMPONENTS



- **Disposable filter units**
Remove particulates from gases. Can use freestanding elements or complete assemblies with housings.



- **Miniature solenoid valves**
Auto zero or calibration valves switch sensor to atmosphere for automatic re-calibration of pressure transducers.



- **Check valves**
Prevent reverse flow.



- **Pressure regulators**
Regulate pressure required to control valves.



- **Mass flow meter**
Measures air, oxygen, and total rate of flow.



- **Proportional valves**
Proportionally control flow rates.



- **Pressure relief valves**
Prevent over-pressurization of lines.



- **Fittings**
Leak-tight connections for tubing and components.



- **Tubing**
Polyamid (PA), polyurethane (PU), PFA, and FEP tubing.

ELECTRONIC SYSTEMS

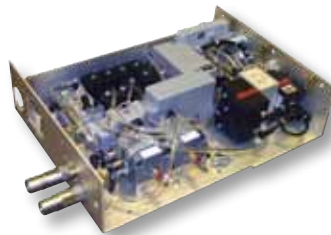
- **EMI shielding**
Optically enhanced display screens, conductive elastomers, coatings, plastics, and foil laminates.



- **Thermal management**
Thermally conductive materials and heat transfer products for printed circuit boards.

ENGINEERED SYSTEMS

- **Custom designed modules**
Innovative solutions that combine multiple engineered components into one assembly. Complexity ranges from a ventilator engine to tubing bundles.



AIRWAY MANAGEMENT

Parker manufactures various single-use silicone medical devices.



Noninvasive facemask



Tracheostomy tubes



Endotracheal tubes

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