



Medial

Innovating Healthcare, Empowering Life

Disposable Products Catalogue

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disposet



ANESTHESIA BREATHING SYSTEM



Our comprehensive range of Anesthesia Breathing System offers tailored solutions to meet the diverse needs of healthcare providers. We proudly supply products suitable for adult, pediatric, and neonatal patients, ensuring that medical professionals have access to high-quality equipment across various clinical settings.

Whether used in anesthesia, intensive care units, or general medical applications, our breathing systems are designed to deliver reliable performance and optimal patient care. With a focus on precision, safety, and ease of use, our products support a wide array of medical procedures and patient needs.

ANESTHESIA BREATHING SYSTEM

CORRUGATED

Breathing & Anesthesia Circuit with Corrugated Tubing

Corrugated tubing provides a close-to-natural breathing airflow thanks to its design, which mimics the actual human anatomy. The soft and flexible structure ensures ease of use. Corrugated tubing is an ideal choice for breathing applications that require disposable circuits. The tubing is available in sizes suitable for adult, pediatric, and neonatal patients, especially for short to mid-term ICU and OR applications. With the addition of accessories such as water traps, extension lines and such, these breathing and anesthesia circuit can be customized to meet the ideal solution for the intended operation.

- Easy to handle and use
- Airflow similar to natural breathing pattern
- Lightweight & Durable



SMOOTHBORE

Breathing & Anesthesia Circuit with Smoothbore Tubing

Smoothbore tubing reduces condensation and bacteria growth due to its smooth inner surface. The spiral reinforcement on the outer surface of the tubing makes the form more rigid and stable; it reduces the risk of kink/folding and provides a reduced pressure drop in the circuit at the same time. The clear main body of the tubing enables ease of observation against potential blockages. These circuits are preferred for mid/long-term use and mostly for ventilation applications in ICU, but they are also used for anesthesia in OR. With the addition of accessories such as water traps, extension lines, and such, these breathing and anesthesia circuits can be customized to meet the ideal solution for the intended operation.

- Low flow resistance
- Silent ventilation
- Minimized pressure drop
- Clear structure



EXTENDABLE

Breathing & Anesthesia Circuit with Extendable Tubing

One of the great advantages of this type of tubing is that it can be given a form and that shape is preserved. The adjustable length minimizes dead space. Its lightweight reduces the pull effect, increasing patient comfort. Extendable breathing circuit are suitable for adult and pediatric patients, especially for short to mid-term ventilation and anesthesia applications. With the addition of accessories such as water trap, extension line, and others, these breathing and anesthesia circuit can be customized to meet the ideal solution for the intended operation.

- Adjustable length and form
- Soft and flexible
- Easy positioning for convenient usage and storage
- Low dead space
- Compact design
- Lightweight / Reduced pull effect



LIMB-O

Breathing & Anesthesia Circuit with Limb-O Tubing

Limb-O effectively transfers heat from the expiratory to the inspiratory side of the circuit, allowing heat exchange between the inspirium and expirium, which helps lower condensation and reduces the need for heating or cooling the air. These set can be customized with additional accessories to meet the exact requirements of health professionals.

- Effectively transfers heat from the expiratory to the inspiratory side of the circuit
- Compact design
- Ease of use / single line design
- Low condensation / low humidity build-up



ANESTHESIA BREATHING SYSTEMS

HEATED

Breathing Circuit with Heated Wire

By utilizing resistance wires going through the corrugated tubing of the breathing circuit, heated circuit efficiently provide heated dry or humid air to the patient. These circuits are mostly used in long-term ICU units. Circuit configurations, port shapes, pin locations, and resistance values of heater wires can vary depending on the ventilation device or utilization purpose. Models and configurations are available for adult, pediatric, and neonatal patients.

- Safe design
- Suitable for long-term ventilation applications
- Variants available for different ventilation devices



TRANSPORT

Transport Ventilator Breathing Circuit

Transport ventilator circuit is designed to be used with mobile/portable ventilation devices in ambulances and mobile emergency responder vehicles. The special design of the exhalation valve controls the accurate flow of air. The main tubing can be supplied as corrugated or smooth-bore. With the addition of accessories such as breathing filter, the set can be configured according to the demand.







ANESTHESIA BREATHING SYSTEM ACCESSORIES



We offer a comprehensive range of accessories designed to complement and enhance our Anesthesia Breathing System. Our accessory products are essential for optimizing performance and supporting diverse clinical applications, including anesthesia, intensive care, and general medical use.

Our accessories offer flexible options, including OEM (Original Equipment Manufacturer) configurations and choices between sterile and non-sterile versions. These options ensure that you have access to the specific solutions required for your clinical environment.

ANESTHESIA BREATHING SYSTEM ACCESSORIES

BREATHING FILTER

Breathing filter provides protection to the patient and the ventilator device during intensive care or surgery against bacterial and viral contamination. Its lightweight improves patient comfort. The clear casing enables viewing of the interior of the filter. The luer capnography port on the casing of the filter allows for connection for required gas level measurements.

- 99.9999% filtration efficiency (BFE/VFE)
- Low air flow resistance / low pressure drop
- Lightweight
- Low dead space



HEAT & MOISTURE EXCHANGING BREATHING FILTER (HMEF)

Heat and moisture exchanging breathing filter (HMEF) provides protection to the patient and the ventilator device during intensive care or surgery against bacterial and viral contamination. HMEF also minimizes the heat and moisture loss of the patient's breath during mechanical ventilation. Its lightweight improves patient comfort. The clear casing enables viewing of the interior of the filter. The luer capnography port on the casing of the filter allows connection for required gas level measurements. 99.9999% filtration efficiency (BFE/VFE)

- Reduced heat and moisture loss during ventilation
- Low air flow resistance / low pressure drop
- Lightweight
- Low dead space



ANESTHESIA BREATHING BAG

Anesthesia breathing bag can be used for multiple practices such as mechanical ventilation, collection of breathing gases, and observation of natural breathing patterns. Latex-free or latex breathing bags are available upon request. Bags are available in various volumes, such as 0.5 L, 1 L, and 2 L, designed to meet the specific needs of different patient types.



CATHETER MOUNT

The catheter mount serves as an adapter between the endotracheal tube and the breathing circuit, providing connection of the breathing system and/or filter to the patient. Catheter mounts can be supplied with a fixed 90° angle or a swivel elbow. These elbow connectors can be supplied without any ports or with a port for gas sampling or suction to clear obstructions, if requested. The catheter mount tubing is available in either corrugated or extendable configurations, based on the user's preference.



ANESTHESIA BREATHING SYSTEM ACCESSORIES

ANESTHESIA MASK

Anesthesia mask is used to deliver oxygen and/or other anesthetic gases to the patient. The mask is produced in various sizes to conform to the patient's anatomy, ensuring complete coverage of the mouth and nose and thereby minimizing air leaks through the cushions. These cushions can also be adjusted by inflation or deflation through a port with a check valve. Size variations are indicated by different colors of the fixation rings on the mask. The clear material allows easy observation of potential obstructions and issues in the area underneath the mask. The mask's lightweight design enhances patient comfort.

- Lightweight
- Phthalets and Latex free
- Full range of sizes — Neonate through Adult Large



HUMIDIFICATION CHAMBER

The humidification chamber is intended to humidify the dry air being delivered to the patient ventilated patients and those receiving respiratory support. Pure distilled water and/or medications are placed in the chamber and then attached to a humidifier device integrated into the ventilation system; the vapor then joins the breathing circulation. The clear design allows for monitoring the level of materials inside the chamber.



GAS SAMPLING LINE

Gas sampling line is utilized to measure anesthetic gases such as CO₂ concentrations. To ensure gas leakage prevention, these lines feature secure luer connectors and are manufactured from thick-walled PVC tubing.

- Non-leaking, easy connection
- PVC tubing, DEHP-free
- Female-male or male-male luer connector options
- Available in a variety of tube lengths



CONNECTOR

Connector is designed for use in breathing and anesthesia circuit. Connector and tubing holder are available in various dimensions to meet the needs of adult, pediatric, and neonatal patients, with color options offered if requested.



WATER TRAP

The water trap is designed to prevent this fluid from reaching the ventilator or patient. It incorporates a liquid collection chamber in the lower section that can be removed for emptying and then reattached to resume operation. The integrated valve mechanism seals automatically when the collection chamber is detached, ensuring the circuit continues to function without contamination, air leaks, or pressure drops.



ANESTHESIA BREATHING SYSTEM ACCESSORIES

TUBING

Corrugated tubing is designed to replicate the structure of human airway anatomy for anesthesia and ICU applications.

Smoothbore tubing features a smooth inner surface that ensures silent airflow, making it the preferred choice for extended ventilation applications in ICU settings.

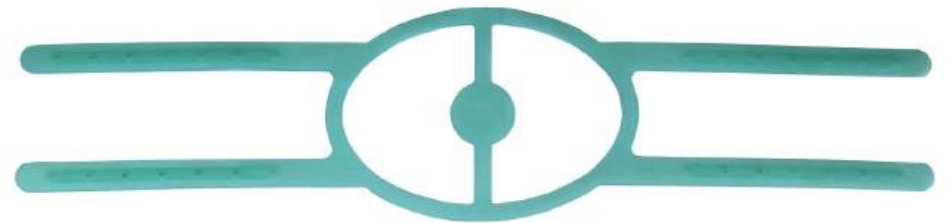
Extendable tubing in its ability to conform to and retain various shapes. Its accordion-like design allows it to be folded.

Limb-O tubing incorporates a segment that divides the tubing into two compartments, facilitating heat transfer between inhaled and exhaled air, thereby reducing the need for additional air heating within the system. The tubing is available either cut to the desired length or in rolls.



HEAD BAND FOR MASK

The headband is designed to secure the anesthesia mask to the patient's face and attaches to the color-coded pins located on the front of the mask. It features an adjustable belt, accommodating patients with varying head sizes. Constructed from silicone, the mask is reusable after proper cleaning.







Innovating Healthcare Empowering Life

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