



# Anesthesia breathing circuits

Helping to improve patient and environmental safety within anesthesia.



**Anesthesia** ▪ Anesthesia breathing circuits



Quality, innovation and choice

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[www.intersurgicalinc.com](http://www.intersurgicalinc.com)



## Build your anesthesia breathing circuit

Intersurgical strives to improve our environmental impact and patient safety initiatives. With our new customizable anesthesia breathing circuits, you can now select components to build a configuration to best suit your clinical requirements.

Within each anesthesia breathing circuit, you can choose the type of circuit and length required, gas monitoring option, reservoir bag size, connectors, filtration efficiency and patient interface. This document explores everything you need to build your anesthesia breathing circuit.

## What circuits we offer

Our portfolio consists of an extensive range of anesthesia breathing circuits, available in various lengths, to meet all clinical requirements.

### Flextube™

A range of flexible circuits with a unique clip feature, ensuring an airtight fit when used with one of our recessed connectors. Flextube circuits are structurally designed to be kink resistant, clear and transparent to identify any blockages or occlusions, and are PVC and phthalate free. Available in lengths 40 in, 60 in, 72 in, or 96 in.

### Compact™

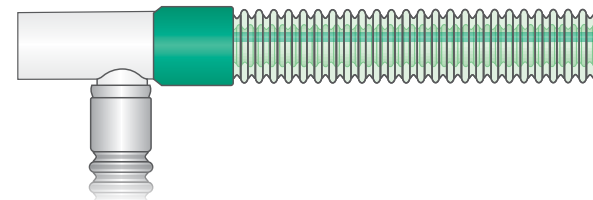
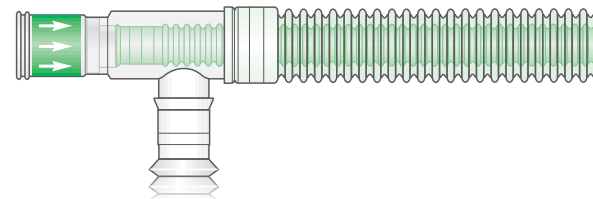
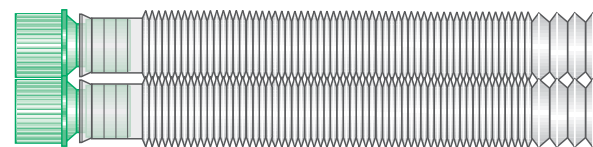
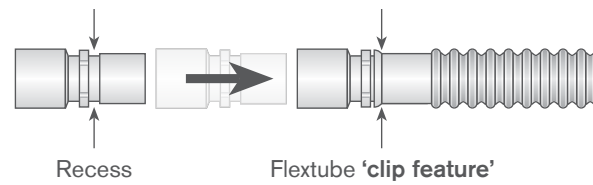
Designed with extendable tubing expanding to up to 5 times its compressed size, Compact circuits can be adjusted and positioned to suit a range of clinical requirements. Supplied in a compressed form, this increases the number of circuits per box for more cost effective storage and disposal. Available in lengths 60 in, 72 in, or 120 in (lengths relative to fully extended circuit).

### UniFlow™

A convenient tube-within-a-tube breathing circuit designed with low flow anesthesia in mind, offering improved thermal efficiency with warmer, more humid inspiratory gases. UniFlow single limb circuit helps to reduce the number of connections between the patient and the machine. Available in lengths 40 in, 60 in, 72 in, or 96 in.

### DuoFlow™

Our DuoFlow bi-lumen circuits have an internally molded inner septum, which creates a gas tight division between the two pathways. This improves thermal efficiency as it allows for the transfer of heat between inspired and expired gases. The single limb design reduces the number of connections between the patient and the machine. Available in lengths 72 in or 120 in.



## CO<sub>2</sub> monitoring line

Our respiratory gas monitoring lines are designed to connect via a luer lock connection or port at the patient end to the machine.

## Integrated monitoring line

Our Flextube, UniFlow and DuoFlow circuits are available with the option of an integrated monitoring line, which can help to improve patient safety with improved accuracy and reduced connections.



[Find out more](#)



## Reservoir bags

We offer a wide range of single-use, latex-free reservoir bags that have excellent compliance characteristics for use in various clinical applications. Choose from a 2 L or a 3 L bag.

[Find out more](#)



## Effective and proven protection

When creating your anesthesia breathing circuit, you have the option to include a filter, HME, or HMEF. All Intersurgical breathing filters have been independently tested for bacterial and viral efficiency and conform to International Standard 23328.

Our filter range is color coded for ease of identification while the labels display the minimum tidal volume requirement, which allows you to select the correct filter according to the patient.

[Find out more](#)



## Anesthetic face masks

A range of single-use anesthetic face masks in various sizes to meet the clinical needs of different patient sizes and ages. Choose from our ClearLite™ or ClearLite™ Air anatomical masks that offer a superior seal with minimal pressure or our Economy anesthetic face mask with soft inflated cushion, clear housing, and hook ring.

[Find out more](#)





## Elbows

As part of our customizable anesthesia breathing circuits, you can choose between two different types of elbows, a standard or sampling elbow.

[Find out more](#)



Standard elbow



Sampling elbow

## Push and Twist

All of our tapers and connectors are manufactured to meet the relevant BS, ISO, and EN standards ensuring a secure gas tight fit when using a simple Push and Twist action.



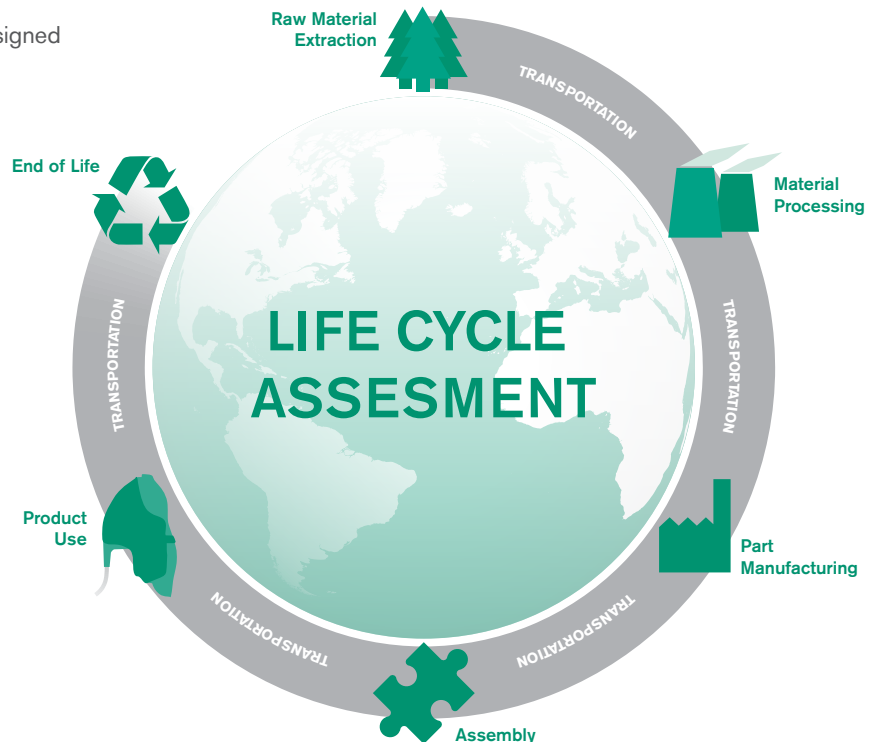
[Find out more](#)

## Patient and environmental safety

Our customizable Anesthesia Breathing Circuits are designed with patient and environmental safety in mind. From our material selection to our features and benefits, these circuits are the ideal solution to your clinical requirements.

Intersurgical has implemented an Environmental Management System, and are certified to International Standard (ISO) 14001:2015. We follow this framework to ensure a sustainable approach across the business and throughout the life cycle of our products.

We provide a Life Cycle Assessment (LCA) for a number of products in line with the 2024 European Society of Anaesthesiology and Intensive Care (ESAIC) Consensus document. Please contact your Intersurgical representative for information on our LCAs or the ESAIC Consensus.



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