



DISPOSABLE ANESTHESIA BREATHING CIRCUIT

HISERN

ISO
9001:2015 / 13485:2016

CE 0123

The science of anesthesia breathing circuits

The evidence based guidelines shows that anesthesia breathing circuit components can help to reduce infections, prevent cross contamination between patients and maintain normothermia.

Why single-use circuits

- Respiratory pathogens can be transmitted through breathing circuits used to provide anesthesia. This can put reusable circuits at risk for contamination of the next patient.
- The reuse of breathing circuits puts both patients and anesthesiologists at risk for hospital acquired infections. Disposable circuits can be an important part of prevention protocol.
- The OR has unique infection control issues compared with other clinical care areas—due to the patient’s vulnerability and prolonged period under anesthesia. Consequently, microorganisms may be transmitted via contamination of normally sterile sites with a patient’s own bacteria and transmission of bacteria to subsequent patients in the OR.

Why use Heat Moisture Exchanger Filters (HMEF)

- HMEF is passive humidification with bacterial/viral filtration efficiency.
Gases emerging from anesthesia machine are dry and room temperature (cold)
- Tracheal intubation or use of laryngeal mask airway bypasses upper airway modifying pattern of heat and moisture exchange, lungs need 37° & 100% relative humidity.
- Cilia can stop beating with impaired mucocilliary function includes sputum retention & increased risk of infection .
- Warmed humidified air is better than cold, dry gases even in short cases.

Why use Bacterial Viral Filters (B/V)

- If used on both the inspiratory and expiratory limb, eliminates risk of switching the filtration limb at machine .
- Expert committees recommend the use of filters for control/prevention of infections.

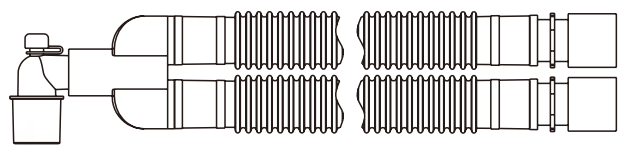
Hisern Medical offers an extensive range of circuits covering smooth bore,expandable, corrugated, coaxial and Duo-limb tubing. From a basic Y-Piece circuit to a complete kit that includes a variety of components, we will have a circuit to meet your requirements. All anesthetic breathing systems are available in a wide range of configurations. For more challenging requests, we also can provide a complete custom solution.

Anesthetic Breathing Systems

A wide range of anesthetic systems are available in different lengths, configurations and tube types for your clinical requirements.



Disposable Corrugated Anesthesia Circuit

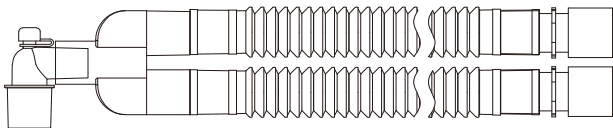


Disposable Corrugated Anesthesia Circuit		
REF	Specifications	Qty/CTN
MGC-1.5 BWA	Adult, Anesthesia Circuit,1.5m corrugated tubing, Options:2L/3L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20
MGC-1.8 BWA	Adult, Anesthesia Circuit,1.8m corrugated tubing, Options:2L/3L Latex breathing bag, B/V Filter, Anesthesia Mask, Gas sampling line	20
MGE-1.5 BWP	Pediatric, Anesthesia Circuit, 1.5m corrugated tubing, Options:0.5L/1L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20
MGE-1.8 BWP	Pediatric,Anesthesia Circuit,1.8m corrugated tubing, Options:0.5L/1L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20

Remark:Length, breathing bag size, filter type and anesthesia mask size can be customized.

Anesthetic Breathing Systems

Disposable Collapsible Anesthesia Circuit(Expandable)



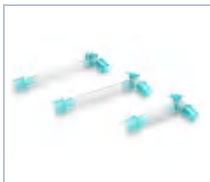
Latex Free Reservoir Bags



HME Filter



B/V Filter



Catheter Mount



Disposable Anesthesia Mask



Gas Sampling Line

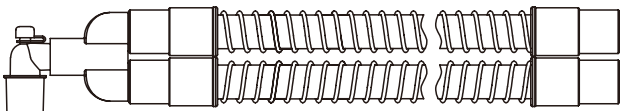
Disposable Collapsible Anesthesia Circuit(Expandable)

REF	Specifications	Qty/CTN
MGC-1.5 SSA	Adult, Anesthesia Circuit,1.5m expandable tubing, Options:2L/3L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	40
MGC-1.8 SSA	Adult, Anesthesia Circuit,1.8m expandable tubing, Options:2L/3L Latex breathing bag, B/V Filter, Anesthesia Mask, Gas sampling line	40
MGE-1.5 SSP	Pediatric, Anesthesia Circuit,1.5m expandable tubing, Options:0.5L/1L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	40
MGE-1.8 SSP	Pediatric, Anesthesia Circuit, 1.8m expandable tubing, Options:0.5L/1L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	40

Remark:Length,breathing bag size, filter type and anesthesia mask size can be customized.

Anesthetic Breathing Systems

Disposable Smoothbore Anesthesia Circuit



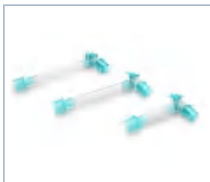
Latex Free Reservoir Bags



HME Filter



B/V Filter



Catheter Mount



Disposable Anesthesia Mask



Gas Sampling Line

Disposable Smoothbore Anesthesia Circuit

REF	Specifications	Qty/CTN
MGC-1.5 LWA	Adult, Anesthesia Circuit ,1.5m smoothbore tubing , Options :2L/3L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20
MGC-1.8 LWA	Adult, Anesthesia Circuit,1.8m smoothbore tubing , Options:2L/3L Latex breathing bag, B/V Filter, Anesthesia Mask,Gas sampling line	20
MGE-1.5 LWP	Pediatric, Anesthesia Circuit,1.5m Smoothbore tubing, Options:0.5L/1L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20
MGE-1.8 LWP	Pediatric, Anesthesia Circuit, 1.8m Smoothbore tubing, Options:0.5L/1L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20

Remark:Length, breathing bag size, filter type and anesthesia mask size can be customized.

Anesthetic Breathing Systems

Disposable Coaxial Anesthesia Circuit



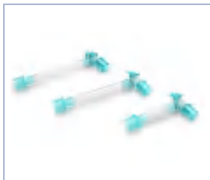
Latex Free Reservoir Bags



HME Filter



B/V Filter



Catheter Mount



Disposable Anesthesia Mask



Gas Sampling Line

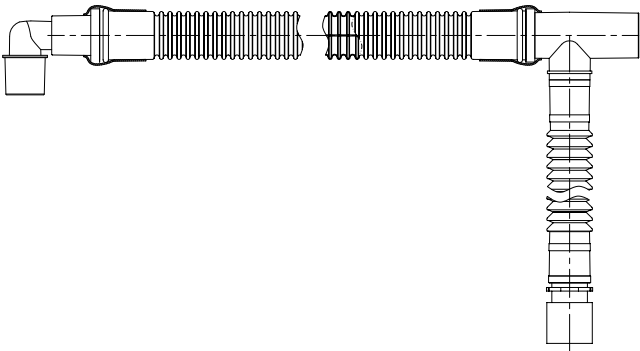
Disposable Coaxial Anesthesia Circuit

REF	Specifications	Qty/CTN
MGC-1.5 GZ	Adult, Anesthesia Circuit,1.5m coaxial tubing, Options:2L/3L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20
MGC-1.8 GZ	Adult, Anesthesia Circuit,1.8m coaxial tubing, Options:2L/3L Latex breathing bag, B/V Filter, Anesthesia Mask, Gas sampling line	20

Remark:Length, breathing bag size, filter type and anesthesia mask size can be customized.

Anesthetic Breathing Systems

Disposable Duo-Limb Anesthesia Circuit



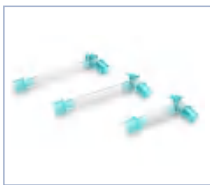
Latex Free Reservoir Bags



HME Filter



B/V Filter



Catheter Mount



Disposable Anesthesia Mask



Gas Sampling Line

Disposable Duo-Limb Anesthesia Circuit

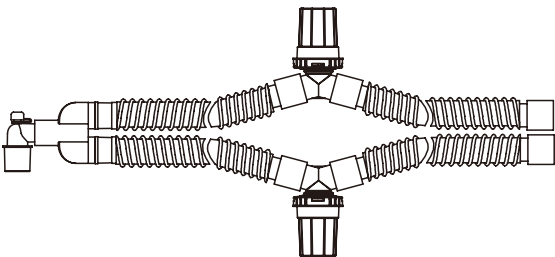
REF	Specifications	Qty/CTN
MGC-1.5 ZF	Adult, Anesthesia Circuit, 1.5m limbo tubing, Options: 2L/3L Latex free breathing bag, HMEF, Anesthesia Mask, Gas sampling line	20
MGC-1.8 ZF	Adult, Anesthesia Circuit, 1.8m limbo tubing, Options: 2L/3L Latex breathing bag, B/V Filter, Anesthesia Mask, Gas sampling line	20

Remark: Length, breathing bag size, filter type and anesthesia mask size can be customized.

Anesthetic Breathing Systems



Disposable Smoothbore Breathing Circuit



Water Trap



HME Filter



B/V Filter



Catheter Mount



Gas Sampling Line

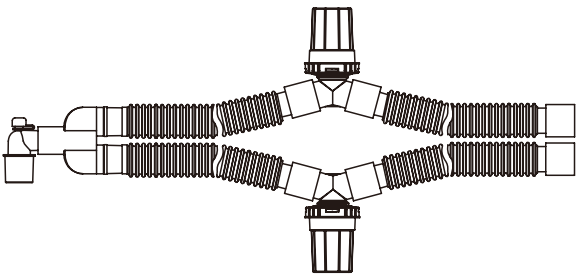
Disposable Smoothbore Breathing Circuit		
REF	Specifications	Qty/CTN
HGC-1.5 LWA	Adult, Breathing Circuit , 1.5m smoothbore tubing, Options: Filters, Gas sampling line, extra limb	15
HGC-1.8 LWA	Adult, Breathing Circuit , 1.8m smoothbore tubing, Options: Filters, Gas sampling line, extra limb	15
HGE-1.5 LWP	Pediatric, Breathing Circuit,1.5m smoothbore tubing, Options: Filters, Gas sampling line, extra limb	15
HGE-1.8 LWP	Pediatric, Breathing Circuit,1.8m smoothbore tubing, Options: Filters, Gas sampling line, extra limb	15

Remark:Length and filter type can be customized.

Anesthetic Breathing Systems



Disposable Corrugated Breathing Circuit



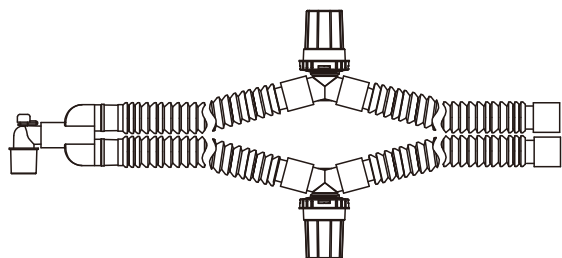
Disposable Corrugated Breathing Circuit		
REF	Specifications	Qty/CTN
HGC-1.5 BWA	Adult, Breathing Circuit , 1.5m corrugated tubing, Options: Filters, Gas sampling line, extra limb	15
HGC-1.8 BWA	Adult, Breathing Circuit , 1.8m corrugated tubing, Options: Filters, Gas sampling line, extra limb	15
HGE-1.5 BWP	Pediatric, Breathing Circuit,1.5m corrugated tubing, Options: Filters, Gas sampling line, extra limb	15
HGE-1.8 BWP	Pediatric, Breathing Circuit,1.8m corrugated tubing, Options: Filters, Gas sampling line, extra limb	15

Remark:Length and filter type can be customized.

Anesthetic Breathing Systems



Disposable Collapsible Breathing Circuit(Expandable)



Water Trap



HME Filter



B/V Filter



Catheter Mount



Gas Sampling Line

Disposable Collapsible Breathing Circuit(Expandable)		
REF	Specifications	Qty/CTN
HGC-1.5 SSA	Adult, Breathing Circuit , 1.5m collapsible tubing, Options: Filters, Gas sampling line, extra limb	15
HGC-1.8 SSA	Adult, Breathing Circuit , 1.8m collapsible tubing, Options: Filters, Gas sampling line, extra limb	15
HGE-1.5 SSP	Pediatric, Breathing Circuit,1.5m collapsible tubing, Options: Filters, Gas sampling line, extra limb	15
HGE-1.8 SSP	Pediatric, Breathing Circuit,1.8m collapsible tubing, Options: Filters, Gas sampling line, extra limb	15

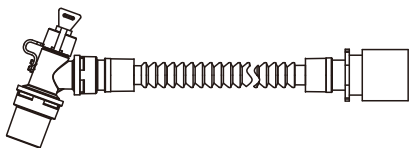
Remark:Length and filter type can be customized.

Anesthetic Breathing Systems

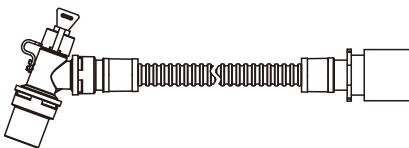


Catheter Mount

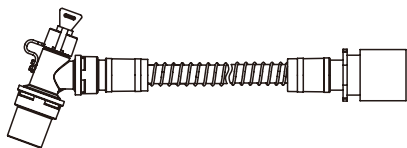
To connect the patient to the breathing system. Catheter mounts are available in three types of tube: Corrugated, Smoothbore or Expandable



Collapsible tube



Corrugated tube



Smoothbore tube

Catheter Mount		
REF	Specifications	Qty/CTN
YG-0.15BW	Corrugated tube	100
YG-0.15LW	Smoothbore tube	100
YG-0.15SS	Collapsible tube	100

Anesthetic Breathing Systems



Latex Free Reservoir Bags



Frosted Latex Free Reservoir Bags



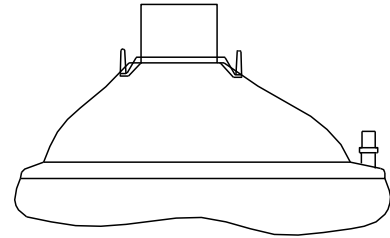
Latex Reservoir Bags

Reservoir Bags(Breathing Bags)

A range of single use reservoir bags for use in various clinical applications in a range of sizes .

Reservoir bags		
REF	Specifications	Qty/CTN
LFR-05	Latex Free 0.5L	200
LFR-10	Latex Free 1L	150
LFR-20	Latex Free 2L	100
LFR-30	Latex Free 3L	100
LFR-05M	Frosted Latex Free 0.5L	200
LFR-10M	Frosted Latex Free 1L	150
LFR-20M	Frosted Latex Free 2L	100
LFR-30M	Frosted Latex Free 3L	100
LRB-05	Latex 0.5L	200
LRB-10	Latex 1L	150
LRB-20	Latex 2L	100
LRB-30	Latex 3L	100

Anesthetic Breathing Systems



Disposable Anesthesia Mask (Inflatable)

The Disposable Anesthesia Mask is an anatomically correct shaped face mask designed for anesthetizing, oxygenating and ventilating any patient.

- Crystal clear dome for easy observation of the patient's condition
- Soft, shaped, air-filled cuff allows a tight fit to the patient's face
- Supplied with hook ring which can easily be removed if not needed
- The single patient use concept offers minimized risk of cross infection
- All sizes are delivered individually packed, sterile

Disposable Anesthesia Mask (Inflatable)

REF	Type	Size	Specifications	Qty/CTN
A9011	Inflatable	1	Newborn	120
A9012	Inflatable	2	Infant	120
A9013	Inflatable	3	Pediatric	100
A9014	Inflatable	4	Adult S	100
A9015	Inflatable	5	Adult M	100
A9016	Inflatable	6	Adult L	100

Anesthetic Breathing Systems



Disposable Anesthesia Mask (Non-inflatable)

The Disposable Anesthesia Mask is an anatomically correct shaped face mask designed for anesthetizing, oxygenating and ventilating any patient.

- Super Light and soft material
- PVC and Latex free
- No need inflation before use
- Transparent for visual check of bleeding, vomitus, and spontaneous breathing
- Available in 6 different sizes

Disposable Anesthesia Mask (Non-inflatable)

REF	Type	Size	Specifications	Qty/CTN
A9010N	Non-Inflatable	0	Newborn	120
A9011N	Non-Inflatable	1	Infant	120
A9012N	Non-Inflatable	2	Pediatric	100
A9013N	Non-Inflatable	3	Adult S	100
A9014N	Non-Inflatable	4	Adult M	100
A9015N	Non-Inflatable	5	Adult L	100

Anesthetic Breathing Systems



Gas Sampling Line



Male/Female Connectors



Male/Male Connectors

Gas Sampling Line

Gas sampling lines are used to deliver gas samples to a monitoring device for the measurement of respiratory gases.

Gas Sampling Line		
REF	Specifications	Qty/CTN
GMF-15	1.5m Male/Female Connectors	600
GMF-18	1.8m Male/Female Connectors	600
GMF-30	3.0m Male/Female Connectors	600
GMM-15	1.5m Male/Male Connectors	600
GMM-18	1.8m Male/Male Connectors	600
GMM-30	3.0m Male/Male Connectors	600

Zhejiang Haisheng Medical Device Co., Ltd.

No.8, Zhenyuan Road,
Yuecheng District, Shaoxing,
Zhejiang, China, 312071

T: 0086-575-88409031
F: 0086-575-88030719

E: info@hisern.com
W: www.hisern.com