

# CORRUGATED ANESTHESIA BREATHING CIRCUIT

SINGLE USE | NON-STERILE | DEHP FREE | LATEX FREE

## DEVICE MANUFACTURING SPECIFICATIONS

Reference Product	Corrugated Anesthesia Circuit
Manufacturer (Legal)	Vyaire
Manufacturer Address	Vyaire Medical Inc. 26125 N. Riverwoods Blvd. Mettawa, IL 60045 USA
Made In	Mexico
Classification — US	Class I
FDA Product Code	OFP - Anesthesia Breathing Circuit Kit (Adult & Pediatric) BYX - Tubing, Pressure And Accessories CAI - Circuit, Breathing (W Connector, Adaptor, Y Piece) BTC - Bag, Reservoir BZA - Airway Connector CAH - Filter, Bacterial, Breathing-Circuit
Classification — Australia	Class IIa
Classification — Brazil	Class II
Classification — Canada	Class II
Classification — Japan	Class II
Classification — EU	Class IIa, Rule II
CE Mark	CE 2797
EMDN Code	R0302 - Breathing Bag, All SKUs R0302, R020102 - Coaxial Breathing Circuits R02010102 - Breathing Circuits with Water Trap R02010101 - Breathing Circuits without Water Trap R020199 - Breathing Circuits, Other
GMDN Code	37704 - Anesthesia Breathing Circuits, Single-Use
UMDNS Code	10139 - Breathing Circuits, Anesthesia
UNSPSC Code	42272505 - Gas Anesthesia Apparatus Tubes, Tubing Assemblies, Tube Fittings, Accessories
Usage	Single Use, 7 Days
Area of Use	Hospital, ICU, Anesthesia, Respiratory Therapy, During Transport, and With Resuscitators
Sterility	Non-Sterile; Packaging for non-sterile devices is intended to protect the product from dust and does not provide a sterile barrier.
Patient Population	Pediatric, Adult
Packaging	Individually Packaged, 20/Case
Shelf Life	These circuits do not require a “use-by” date because there are no safety-related performance or safety-related characteristics which are likely to deteriorate over time.
Storage Conditions	-20°C (-4°F) to 40°C (104°F)
Disposal Instructions	Safely dispose in accordance with local, state, or national regulations.



## DEVICE MATERIAL

Component	Material
Corrugated Tubing	Low Density Polypropylene (LDPE), Blue Colorant Polypropylene, High Density Polypropylene (HDPE), Polypropylene, Ethylene Vinyl Acetate (9% EVA)
Connectors	Acrylic, Acrylonitrile Butadiene Styrene (ABS) or Polycarbonate, High-Impact Polystyrene (HIPS)
Bag	Thermoplastic Elastomer (TPE)

**Biocompatibility Evaluation:** Per EN ISO 18562-1:2020, ventilator circuits and components are part of the gas pathway. These devices do not contain DEHP, natural rubber latex, or BPA. These devices are REACH compliant and do not contain 3TG conflict minerals.

*\*Material content will vary slightly depending on circuit part number.*

## DEVICE SPECIFICATIONS

Description	Specification
Tubing Length	40" (1.0 m), 60" (1.5 m), 72" (1.8 m), 98" (2.5 m)
Tubing Internal Diameter	15 mm
Connectors/Adapters	22 mm - 22 mm
Breathing Bag	1.0 L, 2.0 L, 3.0 L
Gas Sampling Line	10' (3.0 m)
Sampling Line Connector	Male-Male Luer, Male-Female Luer
Ventilator Corrugated Tubing Connector	22 mm M - 22 mm M

**Description:** Circuits provide a conduit for gases between patient and equipment in general anesthesia, transport, and/or mechanical ventilation. Circuits come in various combinations of tubing, connectors, breathing bags, face masks, passive humidifiers, filters, and connectors.

**Intended Purpose:** Intended to deliver anesthetic gas mixtures to, and to remove waste gas from, adult and pediatric patients during general anesthesia, transport, and/or mechanical ventilation.

**Compatibility:** Circuits, breathing tubes, face masks, Y-pieces and connectors, catheter mounts, and breathing bags have commonly used 15 mm/22 mm ISO 5356-1 standard ports. They may be connected to standard breathing systems and components.

**Contraindication:** No contraindications are known at this time.

# CORRUGATED ANESTHESIA BREATHING CIRCUIT

SINGLE-USE | NON-STERILE | DEHP FREE | LATEX FREE

Adult Corrugated	1.0 m	1.5 m	1.83 m
Compliance	0.7 mL/cm H <sub>2</sub> O	1.05 mL/cm H <sub>2</sub> O	1.28 mL/cm H <sub>2</sub> O
Resistance @ 30 L/min	—	—	0.11 mL/cm H <sub>2</sub> O
Resistance @ 40 L/min	0.02 mL/cm H <sub>2</sub> O	0.1 mL/cm H <sub>2</sub> O	0.21 mL/cm H <sub>2</sub> O
Resistance @ 50 L/min	0.14 mL/cm H <sub>2</sub> O	0.24 mL/cm H <sub>2</sub> O	0.31 mL/cm H <sub>2</sub> O
Resistance @ 60 L/min	0.24 mL/cm H <sub>2</sub> O	0.35 mL/cm H <sub>2</sub> O	0.45 mL/cm H <sub>2</sub> O

Pediatric Corrugated	1.0 m	1.5 m
Compliance	0.11 mL/cm H <sub>2</sub> O	0.62 mL/cm H <sub>2</sub> O
Resistance @ 30 L/min	0.3 mL/cm H <sub>2</sub> O	0.4 mL/cm H <sub>2</sub> O

*\*Measured as a single limb circuit (data on file in Grand Rapids, MI)*

Neonatal	1.5 m	3.0 m
Compliance	0.25 mL/cm H <sub>2</sub> O	0.45 mL/cm H <sub>2</sub> O
Resistance @ 30 L/min	3.5 mL/cm H <sub>2</sub> O	6.25 mL/cm H <sub>2</sub> O

*\*Measured as a single limb circuit (data on file in Grand Rapids, MI)*

*\*Measured as a single limb circuit (data on file in Grand Rapids, MI)*

Part Number	Description	Size	Length	Bag Size	Wye	Elbow	Filter	HME/HMEF	GSL	Mask	UOM	UDI/GTIN
B835XXX4	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	—	Parallel Pedi Wye Ported	Gas Sampling	B/V (2)	—	M/M	—	Each	10190752152908
											Case	50190752152906
A46121XX	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	Gas Sampling	HEPA	—	—	Size 5	Each	10190752119321
											Case	50190752119329
AHAX8XX4	Anesthesia Circuit, Corrugated	Adult	72" (1.8 m)	2 L, LF	Swivel Wye	—	—	—	M/M	—	Each	10190752122840
											Case	50190752122848
5037AE	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	Gas Sampling	—	—	—	—	Each	10190752118461
											Case	50190752118469
GAK1OXXX	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Swivel Wye	—	B/V (2)	HME	Int/M	Size 5	Each	10190752124790
											Case	50190752124798
A46XXXXX	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	—	Parallel Wye	Gas Sampling	—	—	—	—	Each	10190752119451
											Case	50190752119459
5037AEF	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	Gas Sampling	B/V	—	—	—	Each	10190752118478
											Case	50190752118476
B1314XXX	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	—	—	Each	10190752123618
											Case	50190752123616
B1317XXX	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	2 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	—	—	Each	10190752123625
											Case	50190752123623
5063ABS	Anesthesia Circuit, Corrugated	Adult	40" (1.0 m)	3L, LF	—	—	—	—	—	—	Each	
											Case	
B13X4XX0	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	M/M	—	Each	10190752123724
											Case	50190752123722
5161EL	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752118836
											Case	50190752118834
A96XXXXX	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	—	Swivel Wye Ported	—	—	—	—	—	Each	10190752121256
											Case	50190752121254
5161EFL	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	—	—	Each	10190752118812
											Case	50190752118810
B1354X8Z	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	B/V (2)	HMEF	M/M	—	Each	10190752123670
											Case	50190752123678
A5A57XX4	Anesthesia Circuit, Corrugated	Adult	72" (1.8 m)	2 L, LF	Parallel Wye Ported	Gas Sampling	B/V (2)	—	M/M	—	Each	10190752120525
											Case	50190752120523

# CORRUGATED ANESTHESIA BREATHING CIRCUIT

SINGLE-USE | NON-STERILE | DEHP FREE | LATEX FREE

Part Number	Description	Size	Length	Bag Size	Wye	Elbow	Filter	HME/HMEF	GSL	Mask	UOM	UDI/GTIN
5163EL	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	—	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752118935
											Case	50190752118933
A46X8XX4	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	2 L, LF	Parallel Wye	Gas Sampling	—	—	M/M	—	Each	10190752119420
											Case	50190752119428
B1334X54	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	HME	M/M	—	Each	10190752123632
											Case	50190752123630
5161EU	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	1 L, LF	Parallel Pedi Wye	—	—	—	—	—	Each	10190752118843
											Case	50190752118841
B1353XX4	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	B/V (2)	—	M/M	—	Each	10190752123663
											Case	50190752123661
A46129X4	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	Gas Sampling	HEPA	—	M/M	Size 5	Each	10190752119338
											Case	50190752119336
5167IJX1	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	M/M	—	Each	10190752118942
											Case	50190752118940
B13XTXXX	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752123779
											Case	50190752123777
A1AXXXXX	Anesthesia Circuit, Corrugated	Adult	72" (1.8 m)	—	Parallel Wye	Gas Sampling	—	—	—	—	Each	10190752119208
											Case	50190752119206
B13X7XVZ	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	2 L, LF	Parallel Pedi Wye	Gas Sampling	—	HMEF	—	—	Each	10190752123748
											Case	50190752123746
5161EFL1	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	—	—	Each	10190752118829
											Case	50190752118827
B13XFXXX	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752123762
											Case	50190752123760
A565203X	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye Ported	Gas Sampling	B/V (2)	HMEF	—	Size 5	Each	10190752120501
											Case	50190752120509
A41119X4	Anesthesia Circuit, Corrugated	Adult	40" (1.0 m)	3 L, LF	Parallel Wye	Gas Sampling	HEPA	—	M/M	Size 5	Each	10190752119253
											Case	50190752119251
B1134XX4	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	M/M	—	Each	10190752123533
											Case	50190752123531
5161E	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752118805
											Case	50190752118803
B83X4XXX	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye Ported	Gas Sampling	—	—	—	—	Each	10190752124394
											Case	50190752124392
B14XXXX4	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	—	Parallel Pedi Wye	Gas Sampling	—	—	M/M	—	Each	1019075212380
											Case	50190752123807
B1353X2X	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	B/V (2)	HMEF	—	—	Each	10190752123656
											Case	50190752123654
A46X2044	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	Gas Sampling	—	HMEF	M/M	Size 5	Each	10190752119376
											Case	50190752119374
AD6329X4	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye Ported	—	HEPA	—	M/M	Size 5	Each	10190752121362
											Case	50190752121360

# CORRUGATED ANESTHESIA BREATHING CIRCUIT

SINGLE-USE | NON-STERILE | DEHP FREE | LATEX FREE

Part Number	Description	Size	Length	Bag Size	Wye	Elbow	Filter	HME/HMEF	GSL	Mask	UOM	UDI/GTIN
B13X2XXX	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	0.5 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752123694
											Case	50190752123692
B9354XX4	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye Ported	—	B/V (2)	—	M/M	—	Each	10190752124530
											Case	50190752124538
BZ1AXJXXX	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752124653
											Case	50190752124651
BZ1DXYXXX	Anesthesia Circuit, Corrugated	Pediatric	98" (2.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752124677
											Case	50190752124675
5162FE	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	2 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	—	—	Each	10190752118904
											Case	50190752118902
A4612XX4	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	Gas Sampling	HEPA	—	M/M	—	Each	10190752119352
											Case	10190752119352
5162EFL	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	2 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	—	—	Each	10190752118881
											Case	50190752118889
A48XXXXZXX6	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	Gas Sampling	—	—	M/M	—	Each	10190752119468
											Case	50190752119466
5020AE	Anesthesia Circuit, Corrugated	Adult	40" (1.0 m)	3 L, LF	Parallel Wye	Gas Sampling	B/V	—	—	—	Each	10190752118386
											Case	50190752118384
B13YXXXZ	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	M/M	—	Each	10190752123793
											Case	50190752123791
AZXXXXXX2	Anesthesia Circuit, Corrugated	Adult	72" (1.8 m)	2 L, LF	Swivel Wye	Gas Sampling	—	—	—	—	Each	10190752123502
											Case	50190752123500
BXXXXX18	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	—	B/V (2)	—	M/M	—	Each	10190752124608
											Case	50190752124606
AD6529X4	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye Ported	—	B/V (2)	—	M/M	Size 5	Each	10190752121386
											Case	50190752121384
GCXXXXXA	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	B/V (2)	HMEF	M/M	—	Each	10190752124905
											Case	50190752124903
5021SMXI	Anesthesia Circuit, Corrugated	Adult	40" (1.0 m)	3 L, LF	Swivel Wye	—	B/V	—	M/M	Size 5	Each	10190752118416
											Case	50190752118414
5161FE	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	HEPA	—	—	—	Each	10190752118850
											Case	50190752118858
5162E	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	2 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	—	—	Each	10190752118874
											Case	50190752118872
A41XXXXX	Anesthesia Circuit, Corrugated	Adult	40" (1.0 m)	—	Parallel Wye	Gas Sampling	—	—	—	—	Each	10190752147485
											Case	50190752147483
B83XXXX1	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	—	Parallel Pedi Wye Ported	Gas Sampling	—	—	M/F	—	Each	10190752124400
											Case	50190752124408
A4AX2XX4A	Anesthesia Circuit, Corrugated	Adult	72" (1.8 m)	3 L, LF	Parallel Wye	Gas Sampling	—	HMEF	M/M	—	Each	10190752119475
											Case	50190752119473
A4AX2XXX	Anesthesia Circuit, Corrugated	Adult	72" (1.8 m)	3 L, LF	Parallel Wye	Gas Sampling	—	—	—	—	Each	10190752154346
											Case	50190752154344

# CORRUGATED ANESTHESIA BREATHING CIRCUIT

SINGLE-USE | NON-STERILE | DEHP FREE | LATEX FREE

Part Number	Description	Size	Length	Bag Size	Wye	Elbow	Filter	HME/HMEF	GSL	Mask	UOM	UDI/GTIN
A4AXXXX	Anesthesia Circuit, Corrugated	Adult	72" (1.8 m)	—	Parallel Wye	Gas Sampling	—	—	—	—	Each	10190752119499
											Case	50190752119497
A5131XXX	Anesthesia Circuit, Corrugated	Adult	40" (1.0 m)	3 L, LF	Parallel Wye Ported	Gas Sampling	HEPA	—	—	—	Each	10190752142558
											Case	50190752142556
AD6X200X	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye Ported	—	—	HMEF	—	Size 5	Each	10190752121409
											Case	50190752121407
AXXXX179	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye Ported	Gas Sampling	B/V (2)	HMEF	M/M	Size 5	Each	10190752123236
											Case	50190752123234
AXXXX80	Anesthesia Circuit, Corrugated	Adult	60" (1.5 m)	3 L, LF	Parallel Wye	—	—	HMEF	M/M	Size 5	Each	10190752123335
											Case	50190752123333
B1154X14	Anesthesia Circuit, Corrugated	Pediatric	40" (1.0 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	B/V (2)	HMEF	M/M	—	Each	10190752123564
											Case	50190752123562
B1355XXZ	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	1 L, LF	Parallel Pedi Wye	Gas Sampling	B/V (2)	—	M/M	—	Each	10190752123687
											Case	50190752123685
B13X7XX4	Anesthesia Circuit, Corrugated	Pediatric	60" (1.5 m)	2 L, LF	Parallel Pedi Wye	Gas Sampling	—	—	M/M	—	Each	10190752123755
											Case	50190752123753