




QTube™ - Clinical Advantages



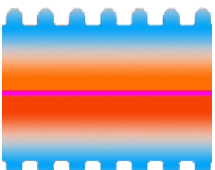
Corrugated Exterior Design
Prevents circuit collapse and occlusion during clinical use




Integrated Gas Sampling Design
Enhances CO₂ sampling accuracy



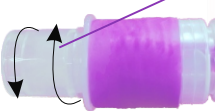
Mechanical Joint Design
Meticulously constructed joint connectors to withstand pull force over 120 newtons



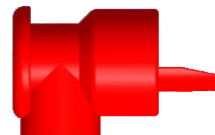
Single Tube Bi-lumen Design
Thermally efficient transferring heat from expiratory to inspiratory lumen, preventing heat loss




Extendable Side Limb
Applicable on all anesthesia machines with 40cm limb




Swivel Patient-End
Reduces torque on airway, maximizing comfort and safety of users



QPlug Leak Tester
An optimal solution for independent septum and circuit leakage testing



Smooth Septum Design
Boosts internal flow while minimizing breathing resistance and circuit compliance



QGuard Antimicrobial Technology
Clinically tested for use up to 168 hours against bacterial build up of 50 different common species

QTube™ - Standard

Product Code	Length	Box / Quantity
Q112215P	1.5m	30
Q112218P	1.8m	30
Q112224P	2.4m	30
Q112230P	3.0m	30
Q112215P-12BC2L	1.5m	30
Q112218P-12BC2L	1.8m	30
Q112224P-12BC2L	2.4m	25
Q112230P-12BC2L	3.0m	20

QTube™ - IGS

Product Code	Length	Box / Quantity
Q112215N-IGS	1.5m	30
Q112218N-IGS	1.8m	30
Q112224N-IGS	2.4m	30
Q112230N-IGS	3.0m	30
Q112215N-IGS12BC2L	1.5m	30
Q112218N-IGS12BC2L	1.8m	30
Q112224N-IGS12BC2L	2.4m	25
Q112230N-IGS12BC2L	3.0m	20

QTube™ - WT

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Q112218P-W1	1.8m	30
Q112224P-W1	2.4m	30
Q112230P-W1	3.0m	30
Q112215P-12BC2LW1	1.5m	30
Q112218P-12BC2LW1	1.8m	30
Q112224P-12BC2LW1	2.4m	25
Q112230P-12BC2LW1	3.0m	20

QTube™ - IGS QGuard

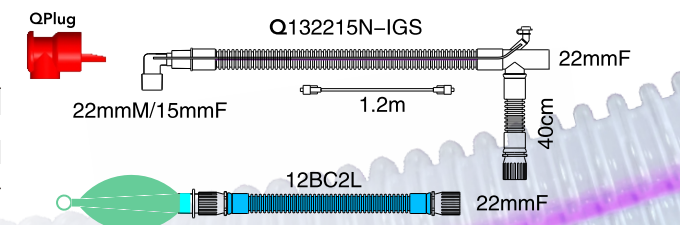
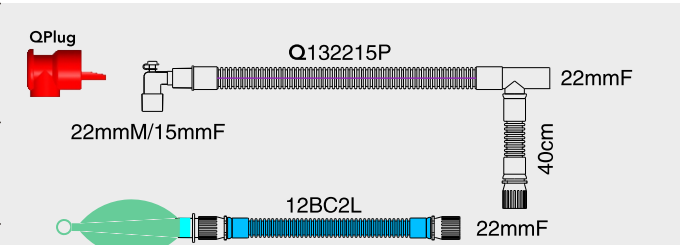
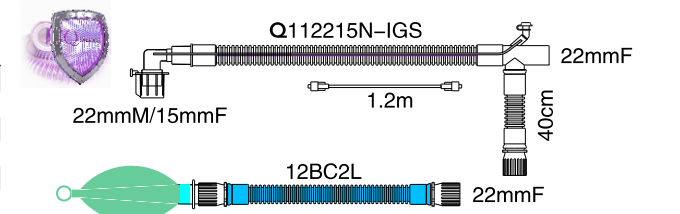
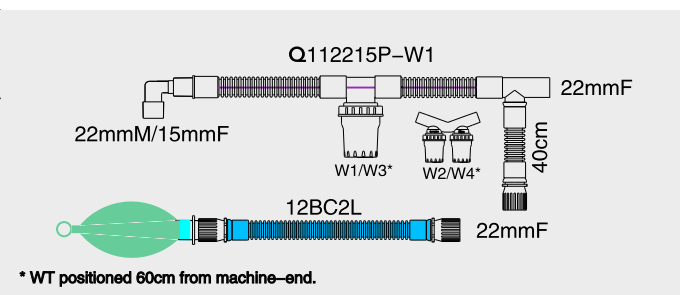
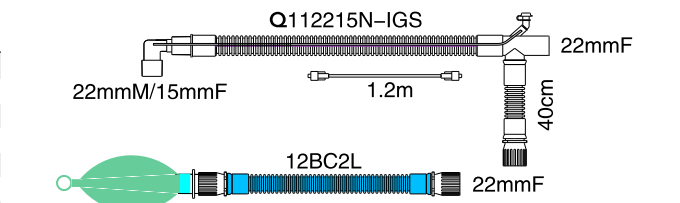
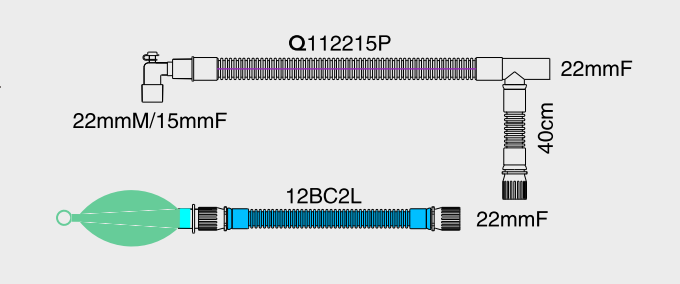
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Q712224N-IGS	2.4m	30
Q712230N-IGS	3.0m	30
Q712215N-IGS12BC2L	1.5m	30
Q712218N-IGS12BC2L	1.8m	30
Q712224N-IGS12BC2L	2.4m	25
Q712230N-IGS12BC2L	3.0m	20

QTube™ PLUS - Standard

Product Code	Length	Box / Quantity
Q132218P	1.8m	30
Q132218P-12BC2L	1.8m	30
Q732218P	1.8m	30
Q732218P-12BC2L	1.8m	30

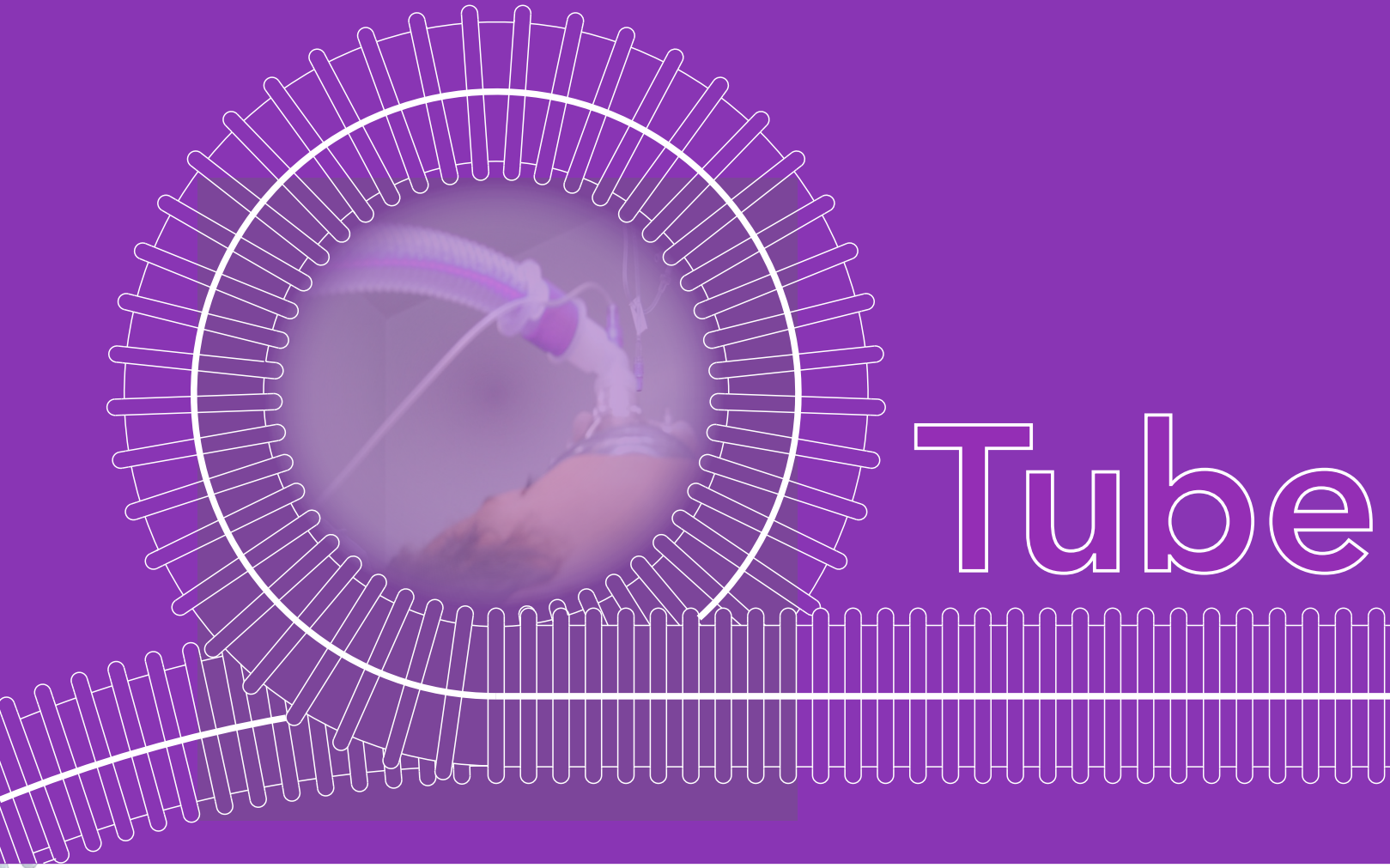
QTube™ PLUS - IGS

Product Code	Length	Box / Quantity
Q132218N-IGS	1.8m	30
Q132218N-IGS12BC2L	1.8m	30
Q732218N-IGS	1.8m	30
Q732218N-IGS12BC2L	1.8m	30



Q Series QTube™
Bilumen Design Advanced Breathing Circuit

Excellent for Low and Ultra Low Flow Anesthesia Administration



Tube

ENVISEN
Environment | Innovation | Sensortech



www.envisen.com

Envisen International Limited
(International Sales)
Add : Room 503, Seapower Centre,
73 Lei Muk Road, Kwai Chung,
NT, Hong Kong
Tel : +852 2987 1535
Fax : +852 2987 8801
Email : info@envisen.cn

Shenzhen Envisen Industry Co., Ltd.
(Mainland China Domestic Sales & Manufacturing site)
Add: Block 1, 40 Jianlong Street, Baoan
Community, Yuanshan Town,
Longgang District, Shenzhen,
China Postal Code: 518115
Tel : +86 755 88827227
Fax : +86 755 28604953

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QTube™ - Standard

Single limb double cavity design

- Strong yet portable, the risks of tube collapse, distortion and kinking are greatly diminished. Compact in size to free up work space for medical professionals.
- Reduced weight of up to 28% and 34% respectively compared to traditional 2 limbs and coaxial circuits, abbreviating users of unwanted drag and discomfort.
- Conforms to low and ultra low flow applications suitable from adults to pediatric users.
- Multipurpose circuit for complete patient categories reduces buffer stock in hospitals, materials, medical waste and is environment friendly.
- QTube bi-lumen septum design increases crush strength and pull force.
- An ideal compliance allows more targeted volume inspired each breath with minimal wastage.



Integrated CO₂ Gas Sampling Line

QTube™ - IGS

- Straightforward and more sensitive in comparison with sampling ports and elbow connector sampling ports.
- Maximum accuracy and efficiency in CO₂ sampling, especially on patients with feeble respiration, small children and infants.
- Fitted internally to prevent contamination, pinching, occlusion and blockage.



QTube™ - WT

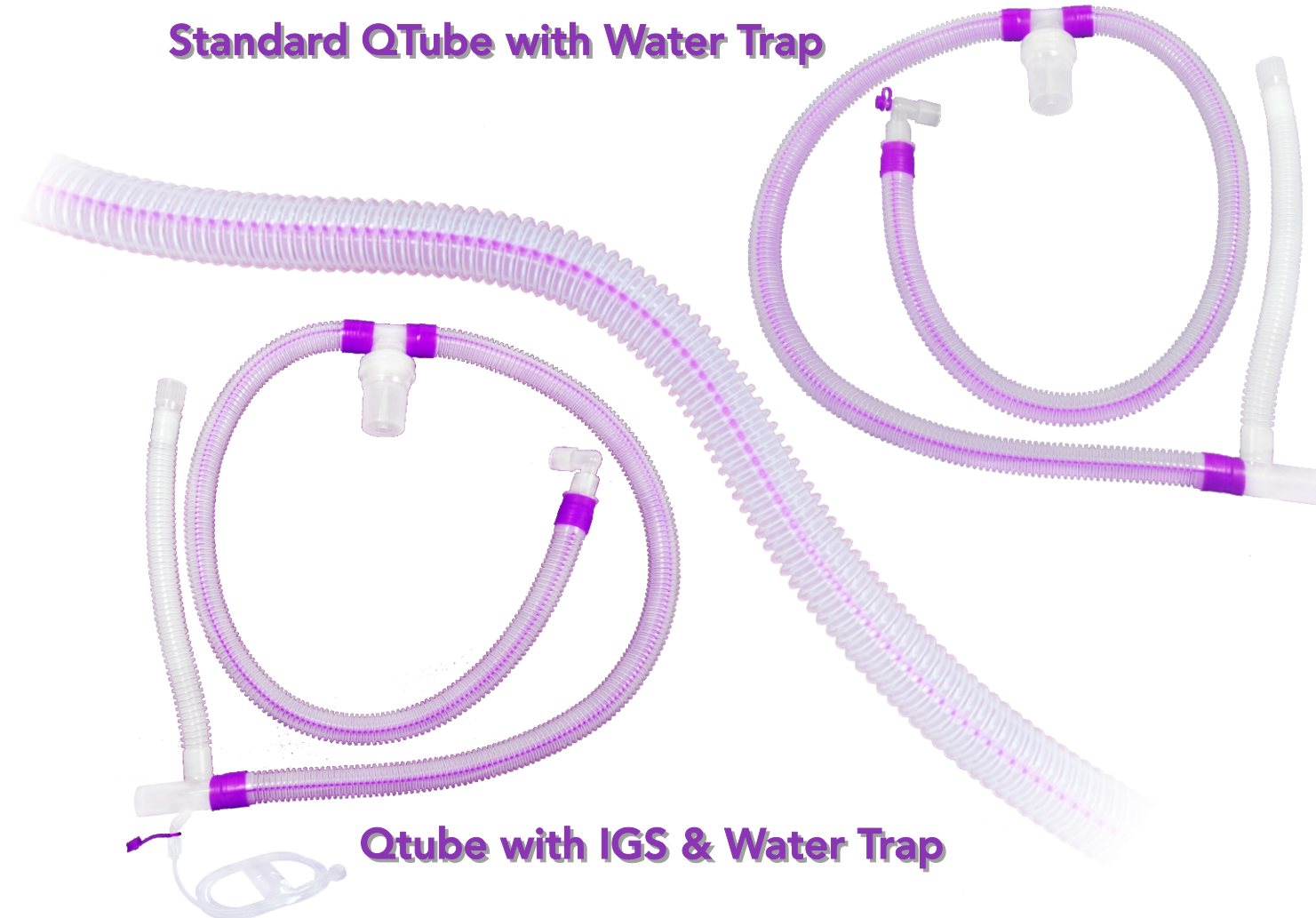
Designed for ventilators

Ventilators and breathing circuits are critical in the event of medical emergencies to assist in patient breathing. During this process, condensate forms within circuits affecting delivery of oxygen. Patients can be endangered by possible suffocation if there is a reflux of condensate into the respiratory lumen.

The introduction of water collection cups eliminates technical issues pertaining patients faced with this condensate.

- QTube with Water Trap ----- Cutting-edge design in this patented bi-lumen structured circuit;
- Water Trap with its connectors are uniquely and scientifically designed to fit perfectly with QTube, allowing effective drainage of condensate and extended usage;
- To ensure patient safety and maintain operational procedures, Water Trap with its connectors are specifically developed to be airtight even during the process of emptying condensate;
- With the introduction of Water Trap, QTube is multi-functional and perfect for the respiratory, anesthesia, ICU and outdoor emergency rescue environment;

Standard QTube with Water Trap



Qtube with IGS & Water Trap

QTube™ - QGuard

Silver ions against bacterial contamination



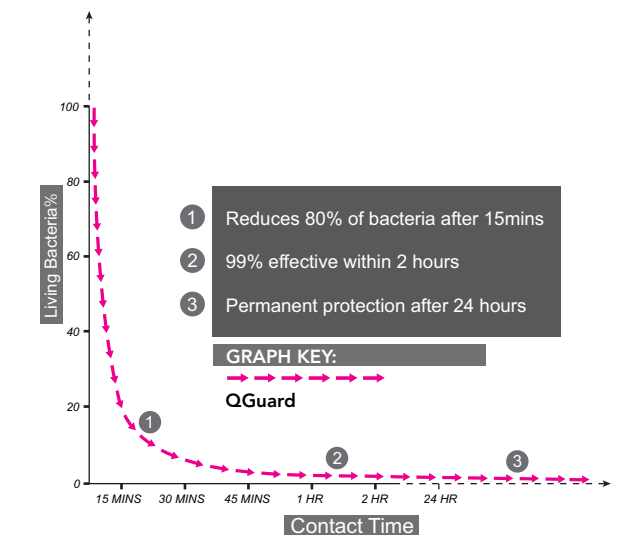
How does QGuard stop bacteria growing?

QGuard has 3 different modes of action:

- Silver ions bind to cell surfaces, disrupting cell walls and preventing cell growth
- Silver ions are attracted to thiol groups in cell enzymes, inhibiting bacterium producing energy
- Silver ions interrupt cell DNA, impeding DNA replication and new cell formation

QGuard 3-stage mode of action does not allow bacteria cells to develop resistance, making this technology future proof and also highly effective against antibiotic resistant species such as MRSA and E.Coli.

QGuard has been proven to see 99.9% bacterial protection against infection for up to 168 hours based on independent clinical tests using ISO22196:2011 standards.



Leakage Tester

QTube™ Plus



- Bilumen-structured single-limbed circuit - allows independent chamber and circuit wall air-tightness testing.
- Increased air-tightness - eliminates gas interchange between lumens and reduces transmission loss during gas delivery.
- Unique stopper design - simple, exquisite and in tune with user habits.