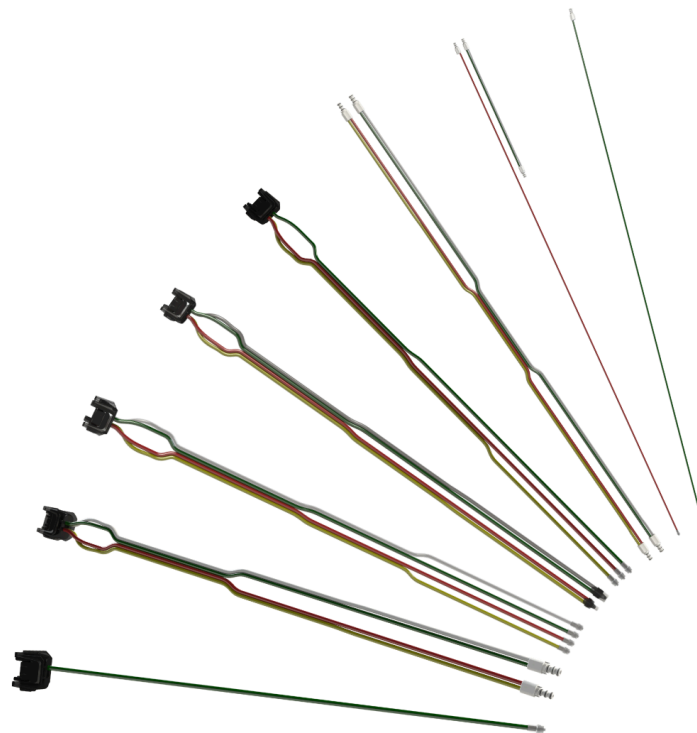


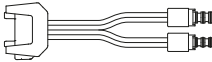
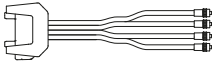
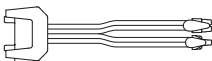
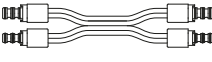
Tubing Sets non-Sterile

User Manual



Product Overview

The tubing sets are used to connect the TwinStream™ and the TwinStream™ EVO jet ventilator with its accessories, such as rigid bronchoscopes, rigid laryngoscopes and other ventilation equipment. The tubing sets deliver a mixture of air and oxygen to the patient, collect samples of the breathing gas for analysis of the oxygen and carbon dioxide concentrations and measure the inspiratory and/or end-expiratory airway pressures.

Ref	Brand Name	Connector		Length (m)	Color	Gas Analysis	Pressure Measurement
		for Ventilator	for Instrument/Accessory				
CJVNA113201 	EvoConnect™ - LuerLock 1L	EvoConnect™	Luer	2.0	Green	X	PP
CJVNA113202 	EvoConnect™ - EasyConnect™	EvoConnect™	EasyConnect™	2.0	Green	X	PP
					Grey	X	X
					Red	X	P _{AW}
					Yellow	✓	X
CJVNA113203 	EvoConnect™ - LuerLock 2L	EvoConnect™	Luer	2.0	Green	X	PP
					Red	X	P _{AW}
					Yellow	✓	X
CJVNA113204 	EvoConnect™ - LuerLock 3L/4L	EvoConnect™	Luer	2.0	Green	X	PP
					Grey	X	X
					Red	X	P _{AW}
					Yellow	✓	X
CJVNA113205 	EvoConnect™ - EndoConnect™	EvoConnect™	EndoConnect™	2.0	Green	X	PP
					Grey	X	X
					Red	X	P _{AW}
					Yellow	✓	X
CTFS-220-1N1 	EasyConnect™ - LuerLock 1L	EasyConnect™	Luer	2.0	Green	X	PP
CTFS-220-SN1 	EasyConnect™ - EasyConnect™	EasyConnect™	EasyConnect™	2.0	Green	X	PP
					Grey	X	X
					Red	X	P _{AW}
					Yellow	✓	X
CTFS-220-SN2 	EasyConnect™ - p-BLV™	EasyConnect™	EasyConnect™	0.5	Green	X	X
			Luer	2.0	Grey	X	X
					Red	X	P _{AW}

(L) Lumen (PP) Pause Pressure (P_{AW}) Airway Pressure

Intended Use

Single Use Tubing Sets are intended to transfer breathing gases between the TwinStream™ ventilator and the patient for ventilation, and/or for monitoring airway pressure and/or patient gas composition.

Intended Users

The intended operators are exclusively medical specialists such as anesthesiologists, surgeons, ENT physicians and pulmonologists/internists who have been trained in the use of the TwinStream and its accessories. Based on his/her professional training, the user must have knowledge of proper handling and should have been properly instructed by an authorised person (the person responsible for the device).

Safety Information

Warning Symbol	Signal Wort	Definition
	Warning	Important information about a potentially situation that could result in minor or moderate injury to the user, patient or damage to the medical device or other property if it is not prevented.
	Caution	Notes contain special information of important explanations or to avoid difficulties in operating the medical device.

Warning:

- The tubing sets are single use products. They **MUST** only be used once and are not reprocessable after use. This also applies to bacteria filters.
- Do not use if the package has been opened or damaged!
- Do not use if the shelf life has passed!
- Unauthorized modifications must not be undertaken on the tubing sets (or other original accessories) or on the ventilator!
- In case of visible damage, the tubing set must not be used on the patient.
- The tubing sets are not laser resistant.

Caution:

- During use, make sure that the tubing set is not excessively bent or kinked and/or squeezed by mechanical impact.
- Inserting additional components such as HME filters, water traps or nebulisers into the ventilation system may result in a loss of system performance.
- The tubing sets may only be used with a TwinStream™ or TwinStream™ EVO Ventilator.
- The use of these tubing sets must only be carried out by suitable, trained, healthcare professionals.
- The instructions for use of the TwinStream™ or TwinStream™ EVO ventilator must always be additionally observed.

Operation

Principle of Operation

Single-Use Tubing Sets are used to connect the instrument in use (Jet Endoscope or other original CARL REINER® products or LuerLock Catheter) to the TwinStream ventilator. Tubing Sets are used to supply the patient with medical gas (compressed air and oxygen) and allow airway pressure measurement and respiratory gas analysis during ventilation.

A tubing set can consist of up to 2 connector types and 4 different colored tubes. The colors of the tubes indicate the following functions:

- Grey/Transparent: Transfer of low-frequency or low pressure Jet ventilation gas
- Green: Transfer of high-frequency or high-pressure Jet ventilation gas and pause pressure measurement
- Red: Airway pressure measurement
- Yellow: Respiratory gas analysis

Operation

How to connect the tubing sets with other medical devices, please refer to the user manual of instruments, jet catheter, TwinStream™ and TwinStream™ EVO.

IFU reference QR Code:



IFU Link: <https://qr.carlreiner.eu/tubingset-refer-manual>

Safe Disposal

Used or damaged products must be disposed according to applicable national and international legal directives.

Delivery

Each set is supplied individually.

Guarantee and Liability

CARL REINER® GmbH guarantees that the devices it supplies, including the accessories, are validated and without defect in terms of material and workmanship.

CARL REINER® GmbH assumes no liability for product performance and patient safety:

- if the devices aren't used and stored in accordance with the Instruction For Use (IFU)
- the warnings and precautions are not observed
- modifications of any kind are made to the product.
- the use of non-original spare parts
- misuse

In case of a serious incident that has occurred in relation to the device, the user and/or patient has to issue a report to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

CARL REINER® Symbols

LAR	LAR mode	BRO	BRO mode	ETT/LMA	ETT/LMA mode	4-LUM	4-LUM mode
3-LUM	3-LUM mode	2-LUM	2-LUM mode	1-LUM	1-LUM mode	p-BLV	pulsatile - BiLevelVentilation for ICU

Legal Information



Classification: Class IIa



e-IFU database

<https://qr.carlreiner.eu/tubing-set-non-sterile>

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