CARL REINER®
Breathing Engineering

TwinStream™ ONE

Jet Ventilation
Safe & Easy

Efficient – Modular – Flexible

TwinStream™ ONE
The affordable entry into jet ventilation.
Prepared for future modular expandability.

TwinStream™ ONE

With its intuitive operation, the TwinStream™ ONE is suitable for standard interventions in the areas of pulmonology / bronchoscopy, ENT and thoracic surgery.

Features:
- Automatic self-test + calibration
- Single jet (HFJV)
- Laser safe mode
- FiO_2 Jet (21% - 100%)
- Pause Pressure monitoring incl. alarm + automatic suspension of gas flow
- 1 LUM software module

Advantages:
- Safe and powerful
- Easy to use
- Functional range can be extended at any time by adding optional modules

Ordering information

Basic package **TwinStream™** ONE

CTNS-155-000	TwinStream ONE
CTFP-157-190	1 Lumen Software
CTNS-220-1S0	Easyconnect Jet Tubing Set, length 150 cm
CTFS-500-400	Easy Connect Adapter for 1 Lumen Jet-Catheter
CTFS-514-000	Jet Catheter, 1 Lumen, not Laser Resistant, Adult
CTFI-833-000	Powercord 5m
CTNS-21x-xxx*	CGS Hose Set, ISO, with CGS Couplings
CTFI-811-006	Cleaning Adapter for Jet Lines on Jet Endoscopes
CTFS-810-002	Cleaning Adapter for Jet Lines on hose systems

* *depending on local standards*

TwinStream™ ONE
Fit for all disciplines

In order to meet the clinical needs of a wide range of patients, we have grouped together the ideal supplementary options for each specialty.

Pulmonology Supplement

For demanding respiratory cases, prolonged interventions or combined interventional procedures where a single-jet ventilation is insufficient. The double jet technology delivers good oxygenation and ventilation even under the most difficult conditions.

Advantages:

- Free working channel in bronchoscope
- No time limit
- No risk of barotrauma due to continuous pressure measurement
- Minimally invasive ventilation in an open system
- Separate control of oxygenation and ventilation
- Aspiration protection by SHFJV backflow principle

Suggested Ordering information

CTFP-157-SJC	Upgrade to second Jet-Channel
CTFP-157-0L0	BRO Module Software
CTNS-410-3X7	Jet-Bronchoscope for SHFJV Size 7,5
CTNS-411-3X7	Jet-Bronchoscope for SHFJV Size 8,5
CTNS-6B0-AC0	Jet Converter for SHFJV
CTNS-220-200	Easyconnect Monitoring Tubing Set
CTFI-811-007	Cleaning Adapter for Monitoring Lines on Jet Endoscopes
CTFS-810-003	Cleaning Adapter for Monitoring Lines on hose systems

Extended functions:

- Second Jet Channel (NFJV)
- BRO – Software module
- AUTOSET Weight-based initial setting
- Compatible with rigid bronchoscopes
- Laser safe mode
- Continuous airway pressure measurement

ENT Supplement

This upgrade allows safe and efficient ventilation even in high-risk cases, such as children, and patients with glottic and sub-glottic stenoses.

Advantages:

- Free working channel through supraglottic ventilation
- No time limit
- Minimizes the risk of fire during laser surgery
- No risk of barotrauma due to continuous pressure measurement
- Oxygenation and ventilation effectively controlled
- Aspiration protection by SHFJV

Suggested Ordering information

CTFP-157-SJC	Upgrade to second Jet-Channel
CTFP-157-0L0	LAR Module Software
CTNS-310-K41	Jet-Laryngoscope according to KLEINSASSER, Size A
CTNS-320-K41	Jet-Laryngoscope according to KLEINSASSER, Size B
CTNS-330-K41	Jet-Laryngoscope according to KLEINSASSER, Size C
CTNS-220-200	Easyconnect Monitoring Tubing Set
CTFI-811-007	Cleaning Adapter for Monitoring Lines on Jet Endoscopes
CTFS-810-003	Cleaning Adapter for Monitoring Lines on hose systems

Extended functions:

- Second Jet Channel (NFJV)
- LAR – Software mode
- AUTOSET Weight-based initial setting
- Compatible with jet laryngoscopes
- Laser safe mode
- Continuous airway pressure measurement

Thoracic Surgery Supplement

Ventilation without cross-field intubation in trachea and carina resections. Improved oxygenation and prevention of atelectasis in single lung ventilation.

Advantages:

- Open-lung concept - reduced recruiting manoevre
- No risk of barotrauma
- Prevention of atelectasis

Suggested Ordering information

CTFP-157-SJC	Upgrade second Jet-Channel
CTFP-157-0L0	BRO Module Software
CTNS-6B0-AC0	Jet Converter for SHFJV
CTNS-220-200	Easyconnect Monitoring Tubing Set
CTFI-811-007	Cleaning Adapter for Monitoring Lines on Jet Endoscopes
CTFS-810-003	Cleaning Adapter for Monitoring Lines on hose systems

Extended functions:

- Second Jet Channel (NFJV)
- BRO – Software mode
- AUTOSET – Weight-based initial setting
- Compatible with Jet Converter and Catheter
- Laser safe mode
- Continuous airway pressure measurement

Additional options

- FiO_2aw Respiratory gas analyzer module — CTFP-155-000
- Respiratory gas conditioning unit — CTFS-800-000
- $etCO_2$ Respiratory gas analyzer module — CTFP-156-000
- PULSE – option / surgical field immobilization — CTFP-159-001
- Jet – Instruments — see product catalog
- ESU – option / Emergency start — CTFP-157-ESU
- PDMS – Connection — CTNS-105-RJ0

Contact

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Distributor:

CTNI-945-E01 Edition 06/2018