



■ INSUFFLATORS

NEW ENDOFLATOR® 40 SCB

NEW ENDOFLATOR® 50 SCB

■ SMOKE GAS SUCTION CONTROL

NEW S-PILOT™

■ INSUFFLATORS FOR FLEXIBLE ENDOSCOPES

NEW COLD LIGHT FOUNTAIN CO₂mbi LED
with integrated insufflation pump


ENDOFLATOR® 40 SCB ^{NEW}

Recommended Standard Set Configuration

Special Features:

- Ease of use thanks to touch screen control
- Clear, adjacent displays for set value and actual value facilitate monitoring of the insufflation process
- Fast and reliable insufflation via an adjustable flow rate up to 40 l/min
- Innovative sensitive mode with special safety limits for sensitive applications
- Automatic adjustment of insufflation rate to diverse instrument resistance values ensures the fastest possible insufflation
- Fully automatic, electronically controlled gas refill (e. g. in case of gas loss when changing instruments)
- **SECUVENT® Safety System:** Constant monitoring of intraabdominal pressure; any overpressure is reduced immediately
- With connection possibilities to the **KARL STORZ Communication Bus (KARL STORZ-SCB)** for unit integration



UI 400 S1 **ENDOFLATOR® 40 SCB**, with integrated SCB module, power supply 100 – 240 VAC, 50/60 Hz including:
SCB Connecting Cable, length 100 cm
Universal Wrench
Insufflation Tubing Set*, with gas filter, sterile, for single use, package of 5 
HICAP® Trocar, size 11 mm

Specifications:

Operating mode	- High-flow mode - Sensitive mode
Gas flow	- Sensitive mode: 0.1-15 l/min - High-flow mode: 1-40 l/min
Pressure	- Sensitive mode: 1-15 mmHg - High-flow mode: 1-30 mmHg
Gas	CO ₂
Measuring/control system	Electronic
Parameter display	- Set pressure - Actual pressure (intraabdominal) - Gas flow - Gas consumption: 0-999 l - Status display gas consumption

SECUVENT® safety system	●
Power supply	100-240 VAC, 50/60 Hz
Dimensions w x h x d	305 x 164 x 315 mm
Weight	7.4 kg
Certified to	IEC 601-1, CE acc. to MDD



Optional Accessories for ENDOFLATOR® 40 SCB see pages U 10-11

Components/Spare Parts see chapter 21

ENDOFLATOR® 40 SCB ^{NEW}

System Components

INSUFFLATORS AND SMOKE GAS SUCTION CONTROL

CO₂ Bottle, empty,
Pin-Index connector



26 4000 91

CO₂ Bottle, empty,
German connector



26 4000 90

High Pressure Tube,
Pin-Index connector



20 4000 22 length 55 cm
20 4000 28 length 102 cm

High Pressure Tube,
German connector



20 4000 21 length 55 cm
20 4000 27 length 102 cm

High Pressure Tube,
ISO connector



20 4002 22 length 102 cm

Low Pressure Tube,
for central CO₂ gas supply



UI 001, length 150 cm
UI 002, length 300 cm
UI 003, length 600 cm

UNIT SIDE

PATIENT SIDE



Insufflation Tubing Set



031200-01*

HICAP® Trocar 30103 HC



VERESS Pneumoperitoneum Cannula 26120 J



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ENDOFLATOR® 50 SCB ^{NEW}

with Speed-Flow Insufflation (50 l/min),
Recommended Standard Set Configuration

Special Features:

- Ease of use due to large, color 7" touch screen
- Simultaneous display of set values and actual values facilitate monitoring of the insufflation process
- Automatic adjustment of insufflation rate to diverse instrument resistance values ensures the fastest possible insufflation
- Fully automatic, electronically controlled gas refill (e.g. in case of gas loss when changing instruments)
- **SECUVENT® Safety System: Constant monitoring of intraabdominal pressure**
- Especially suitable for providing a high gas flow when using smoke generating techniques
- Powerful high-flow mode for fast insufflation of large gas volumes up to 50 l/min
- A high-capability trocar (**HICAP®**) that allows ideal flow conditions is included in the set
- Tubing set with integrated heating element for preheating gas to body temperature to prevent peritoneum from cooling down
- With connection possibilities to the **KARL STORZ Communication Bus (KARL STORZ-SCB)** for unit integration



UI 500 S1 **ENDOFLATOR® 50 SCB**, with integrated SCB module, power supply 100 – 240 VAC, 50/60 Hz including:
SCB Connecting Cable, length 100 cm
Universal Wrench
Heated Insufflation Tubing Set*, with gas filter, sterile, 
 for single use, package of 3
HICAP® Trocar, size 11 mm

Specifications:

Operating mode	- High-flow mode - Sensitive mode	SECUVENT® safety system	●
Gas flow	- Sensitive mode: 0.1-15 l/min - High-flow mode: 1-50 l/min	Gas heating	●
Pressure	- Sensitive mode: 1-15 mmHg - High-flow mode: 1-30 mmHg	Power supply	100-240 VAC, 50/60 Hz
Gas	CO ₂	Dimensions w x h x d	305 x 164 x 315 mm
Measuring/control system	Electronic	Weight	7.8 kg
Parameter display	- Set pressure - Actual pressure (intraabdominal) - Gas flow - Gas consumption: 0-999 l - Status display gas consumption	Certified to	IEC 601-1, CE acc. to MDD



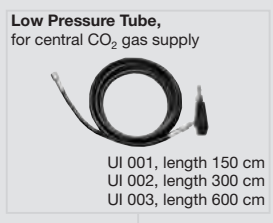
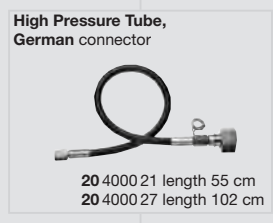
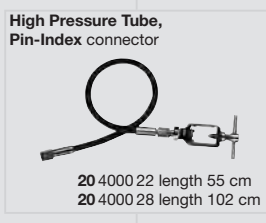
Optional Accessories for ENDOFLATOR® 50 SCB see pages U 10-11

Components/Spare Parts see chapter 21

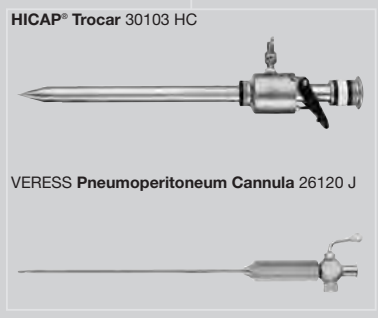
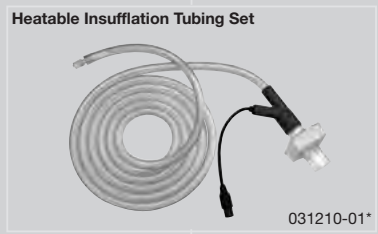
ENDOFLATOR® 50 SCB ^{NEW}

System Components

INSUFFLATORS AND
SMOKE GAS SUCTION CONTROL



UNIT SIDE
PATIENT SIDE












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Optional Accessories

for Insufflators










INSUFFLATORS AND SMOKE GAS SUCTION CONTROL

			for use with	
			ENDOFLATOR® 40 SCB UI 400 S1	ENDOFLATOR® 50 SCB UI 500 S1
	031200-10*	Insufflation Tubing Set , with gas filter, for single use, hydrophobic on both sides, with 3 m insufflation tube and male LUER-Lock, sterile, package of 10, for use with insufflation units with a gas flow up to 50 l/min, tested and approved accessory for KARL STORZ insufflation units		●
	031210-10*	Same, heatable		●
	031122-25*	Gas Filter , ISO connector, hydrophobic on both sides, sterile, for single use, package of 25, for use with insufflation units with gas flow up to 50 l/min, approved and tested accessory for KARL STORZ insufflation units		●
	UI 004	Insufflation Tube , sterilizable, inner diameter 9 mm, length 250 cm		●
	26120 J	VERESS Pneumoperitoneum Needle , with spring-loaded blunt inner cannula, LUER-Lock, autoclavable , diameter 2.1 mm, length 10 cm		●
	26120 JK	Same , length 7 cm		●
	26120 JL	Same , length 13 cm		●
	26120 JLL	Same , length 15 cm		●
	30103 HC	HiCap® Trocar , size 11 mm		●

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Optional Accessories

for Insufflators

			for use with	
			<i>ENDOFLATOR® 40 SCB UI 400 S1</i>	<i>ENDOFLATOR® 50 SCB UI 500 S1</i>
	20 4000 21	CO₂ High Pressure Tube , American connection/German connection, length 55 cm	●	●
	20 4000 27	Same , length 102 cm		
	20 4000 22	CO₂ High Pressure Tube , American connection/Pin-Index connection, length 55 cm	●	●
	20 4000 28	Same , length 102 cm		
	20 4002 22	CO₂ High Pressure Tube , American connection/ISO connection, length 102 cm	●	●
	UI 001	Low Pressure Tube , for the central CO ₂ gas supply, length 150 cm	●	●
	UI 002	Same , length 300 cm		
	UI 003	Same , length 600 cm		
	26 4000 90	CO₂ Bottle , empty, with German connection	●	●
	26 4000 91	CO₂ Bottle , empty, with Pin-Index connection	●	●
	UI 005	Bottle Holder , fold-away, holder for KARL STORZ CO ₂ gas bottles 1000 ml, including attachments	●	●
	20 4000 32	High Pressure Inline Gas Filter	●	●
	20 0903 70	SCB Connecting Cable , length 60 cm	●	●
	20 0900 70	Same , length 30 cm		

INSUFFLATORS AND
SMOKE GAS SUCTION CONTROL

Special Features:

- Intelligent, fully automatic control of the vacuum generated for smoke evacuation in combination with HF units integrated in SCB
- Footswitch can be activated if using equipment from other manufacturers
- Touch key enables smooth insertion of the tube
- With connection option for KARL STORZ Communication Bus (KARL STORZ-SCB)
- Compatible with all standard insufflation units with pressure control



**compatible with all standard
insufflation units with suction control**



UP 501 S1 **S-PILOT™**, including footswitch, power supply 100 – 240 VAC, 50/60 Hz
including:

One-Pedal Footswitch

Tubing Set Suction*, sterile, for single use, package of 5



SCB Connecting Cable, length 100 cm

UP 501 S3 **S-PILOT™**, without footswitch, power supply 100 – 240 VAC, 50/60 Hz
including:

Tubing Set Suction*, sterile, for single use, package of 5



SCB Connecting Cable, length 100 cm

Accessories

031447-10* **Tubing Set**, for smoke, gas and fluid suction, for single use, sterile, package of 10



030220-48* **VACUsafe Suction Bag**, 2 l, with filter, for single use, package of 48, color code: green



030020-18* **VACUsafe Canister**, 2 l, package of 18

030648-10* **VACUsafe Connecting Tube**, 30 cm, with green multiadaptor, unsterile, package of 10

UP 004 **S-PILOT™ Connecting Cable**, diameter 3.5 mm, length 300 cm, for use with ConMed System 2450 or 5000

UP 005 **S-PILOT™ Connecting Cable**, diameter 2.5 mm, length 300 cm, for use with Covidien Force Triad or Covidien Valleylab Force FX

20 0141 30 **One-Pedal Footswitch**, digital, one-stage, for irrigation

031111-10* **Smoke Evacuation Filter**, for single use, unsterile, package of 10



Specifications:

Power supply	100-240 VAC, 50/60 Hz	Dimensions w x h x d	305 x 50 x 320 mm
Rated power	30 W	Weight	1.92 kg



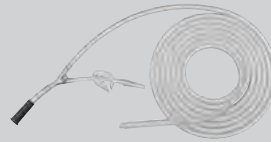
Components/Spare Parts see chapter 21

INSUFFLATORS AND SMOKE GAS SUCTION CONTROL

UNIT SIDE
PATIENT SIDE



Tubing Set, for smoke, gas and fluid suction



031447-10*

for use with



UI 500 S1 ENDOFLATOR® 50 SCB



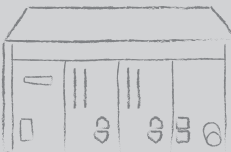
UI 400 S1 ENDOFLATOR® 40 SCB



264320 08-1 THERMOFLATOR® SCB



264305 08-1 Electronic CO₂ ENDOFLATOR® SCB



Further insufflation units with pressure regulation



Cold Light Fountain CO₂mbi LED SCB ^{NEW}

with integrated insufflation pump

Special Features:

- LED light source with integrated CO₂ insufflator
- Insufflation with regular room air with switchover function for two CO₂ insufflation modes possible
- Future-ready: No new purchases necessary in case of switchover to CO₂
- The best of both worlds: High cost-effectiveness coupled with the brightness and durability of LED technology
- Minimum service life of 30,000 hours LED
- Very high energy efficiency thanks to newest LED technology
- Extremely quiet operation and low heat generation
- Very environmentally friendly as the LED light is free of lead and mercury
- Automatic light source control via the CCU generates optimal illumination



TL 100 S1

Cold Light Fountain CO₂mbi LED SCB, with high-performance LED, integrated KARL STORZ-SCB and integrated insufflation pump for air and CO₂ insufflation, for use with KARL STORZ video endoscopes, power supply 100 – 240 VAC, 50/60 Hz including:

Irrigation Bottle Holder

Holding Ring, for water bottles

Water Bottle

Irrigation Adaptor, for water bottles

SCB Connecting Cable

Universal Wrench

Specifications:










Lamp type	High-performance LED	Weight	2.3 kg
Color temperature	approx. 6400 K	Certified to;	IEC 601-1, protection class 1/CF
Light outlets	1		
Dimensions w x h x d	305 x 84.5 x 238 mm		

Components/Spare Parts see chapter 21

Cold Light Fountain CO₂mbi LED SCB

Accessories

INSUFFLATORS FOR
FLEXIBLE ENDOSCOPES

	TL 001	Irrigation Bottle Holder , for use with Cold Light Fountain CO ₂ mbi LED SCB TL 100 S1
	TL 002	Holding Ring , for Water Bottle 13992 BS, for use with Irrigation Bottle Holder TL 001
	TL 003	Holding Ring , for use with Ampuwa Plastipur irrigation bottles, in combination with Irrigation Bottle Holder TL 001
	20 0901 70	SCB Connecting Cable , length 100 cm
	13992 BS	Water Bottle , 250 ml
	13991 SW	Irrigation Adaptor , for Water Bottle 13992 BS for rinsing the double tube
	20 4000 30	Universal Wrench
	20 4000 27	CO₂ High Pressure Tube , American connector/German connector, length 102 cm
	UI 001	Low Pressure Tube , for the central CO ₂ gas supply, length 150 cm
	UI 002	Same , length 300 cm
	UI 003	Same , length 600 cm