



### Legend

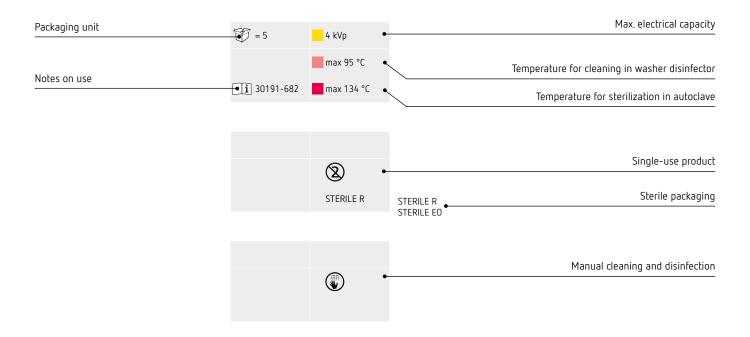
## Important notes

The authors and Erbe Elektromedizin GmbH have taken the greatest possible care while compiling the catalogue with electrosurgical accessories. Nevertheless, it is impossible to exclude the possibility that errors may be contained herein.

The information and recommendations given here may not be construed as constituting any basis for any claims against Erbe Elektromedizin GmbH. Should legal regulations stipulate liability, such liability shall be limited to intentional misconduct or gross negligence.

The data on the use of instruments is based on clinical experience. Medical science is subject to a process of permanent change based on research and clinical experience. Therefore the products are subject to alterations in design and technique. Because of production tolerances dimensions in the catalogue may marginally differ.

## Further product information



Please read carefully the corresponding notes on use before using any instrument.

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# Electrosurgery

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#### Carts and accessories

#### VIO CART, system carrier for VIO family and modules



dimensions:  $630 \times 940 \times 650 \text{ mm}$  (WxHxD)

weight: 31 kg,

4 conductive castors ø 100 mm, with fixing brake

- 1 power input
- 3 power outlets

incl. following accessories:

- 1 grab handle out of stainless steel
- 2 cable holders
- 1 foot switch bracket (for currently available foot switches)



Optional accessoires for VIO CART	No.
Wire basket, 339 x 100/155 x 205 mm (WxHxD)	20180-010
Cable holder	20180-020
Upper bracket for VIO CART, length 260 mm	20180-040
Lower bracket for VIO CART, length 390 mm, for use with secretion suction	20180-042
Foot switch support, plastic, for currently available VIO foot switches	20180-051
Cylinder pad for argon gas cylinder	20180-080
Fastening strap for argon gas cylinder	20180-120

#### Universal CART (CE) for VIO D/S, APC 2, VEM 2, EIP 2



dimensions: 520 x 890 x 465 mm (WxHxD)

weight: 30 kg

4 castors ø 100 mm, of which front 2 conductive with fixing brake

- 1 power input
- 3 power outlets

incl. following accessories:

- 1 instrument tray 339 x 155 x 205 mm (WxHxD)
- 1 grab handle
- 2 cable holders
- 1 foot switch support 20180-051 for currently available foot switches
- 2 cylinder pads for argon gas cylinder
- 2 fastening straps for argon gas cylinder

	No. 20185-205
= 1	

#### BASIC CART with 1 drawer for VIO D/S, NT 2, VEM 2

dimensions: 510 x 790 x 560 mm (WxHxD)

weight: 22 kg

4 conductive castors ø 100 mm, of which two with fixing brake



#### BASIC CART without drawer for VIO D/S, NT 2, VEM 2

dimensions:  $510 \times 790 \times 560 \text{ mm}$  (WxHxD)

weight: 22 kg

4 conductive castors ø 100 mm, of which two with fixing brake



#### Carts and accessories

#### SystemCarrier compact, system carrier for VIO® family and modules



Dimensions: 615 x 955 x 615 mm (WxHxD) Weight: 26 kg 3 internal storage compartments 4 conductive castors with fixing brake

	No. 20180-100
= 1	

#### SystemCarrier compact plus, system carrier for VIO®/APC family and modules



Dimensions: 615 x 955 x 615 mm (WxHxD) Weight: 26 kg Internal gas bottle storage 4 conductive castors with fixing brake 1 power input, 3 power outlets

= 1	

No. 20180-101

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Optional accessoires for SystemCarrier compact and SystemCarrier compact plus	No.
One-pedal footswitch mount, VIO® footswitch	20180-463
One-pedal footswitch mount, EIP 2/VIO® C footswitch	20180-464
Cable holder	20180-460
Hook for irrigation-liquid bag on bracket / VIO® Cart	20325-002
Fastening set device on SystemCarrier for VIO® 3 / VIO® S / APC 2 / APC 3	20180-150
Fastening set VIO® C on SystemCarrier compact	20180-151
Fastening set IES 3 on SystemCarrier compact	20180-152
Fastening set EIP 2 on SystemCarrier compact	20180-153

#### Fastening sets

Fastening sets	No.
VIO 3 to VIO CART 20180-000	20180-140
APC 3 to VIO CART 20180-000	20180-141
VIO 3 and APC 3 to Konsole	20180-143
VIO 3 and APC 3 to ERBEJET 2 10150-000	20180-144
IES 3 to VIO 3	20323-007
VIO C on IES 3	20323-008
VIO D/S / APC 2 / VEM 2 on VIO CART 20180-000	20180-131
VIO D/S on APC 2 / VEM 2 (version since 2005)	20180-134
EIP 2 on VIO CART 20180-000	20180-135
IES 2 on VIO CART 20180-000, incl. ECB cable 15 cm	20180-132

#### Potential equalization lines / Power cords

Potential equalization lines	Length	No.
Potential equalization line, for all types of units, connections acc. to DIN 42801	5 m	20194-025

Power cords	Country	Length	No.
Power cord 10A	Germany	0.5 m	52704-046
Power cord 10A	Germany	2.5 m	52704-037
Power cord 10A	Germany	4 m	52704-032
Power cord 10A	Germany	5 m	52704-042
Power cord 10A	Great Britain	2.5 m	52704-038
Power cord 10A	Great Britain	5 m	52704-043
Power cord 10A	Italy	2.5 m	52704-040
Power cord 10A	Italy	5 m	52704-045
Power cord 10A	Canada	4 m	52704-039

#### Foot switches

#### ReMode two-pedal footswitch with bracket and center bar for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m



#### ReMode two-pedal foot switch with bracket for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m

	No. 20189-351
= 1	
	max 75 °C
<b>i</b> 30189-306	

#### ReMode two-pedal foot switch with center bar for VIO 3, AP & IP X8 Equipment



with connecting cable 5  $\,\mathrm{m}$ 

	No. 20189-352
= 1	
	max 75 °C
<b>i</b> 30189-306	

#### ReMode two-pedal foot switch for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m

	No. 20189-350
= 1	
	max 75 °C
<b>i</b> 30189-306	

#### ReMode one-pedal foot switch for VIO 3, AP & IP X8 Equipment



with connecting cable 5 m



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#### Foot switches

#### ReMode two-pedal foot switch for VIO D with bracket, AP & IP X8 equipment



with connecting cable 5 m, ReMode function only available with VIO D



#### ReMode two-pedal foot switch for VIO D, AP & IP X8 equipment



with connecting cable 5 m, ReMode function only available with VIO D

	No. 20189-303
= 1	
	max 75 °C
<b>i</b> 30189-301	

#### Two-pedal foot switch for VIO D/S with bracket, AP & IP X8 equipment



with connecting cable 5 m

	No. 20189-300
= 1	
	max 75 °C
<b>1</b> 30189-301	

#### Two-pedal foot switch for VIO D/S, AP & IP X8 equipment



with connecting cable 5 m

	No. 20189-302
= 1	
	max 75 °C
<b>i</b> 30189-301	

#### ReMode one-pedal foot switch for VIO D, AP & IP X8 equipment



with connecting cable 5 m, for VIO D from version V 1.7.6

	No. 20188-302
= 1	
	max 75 °C
<b>1</b> 30189-301	

#### Foot switches

#### One-pedal foot switch for VIO D/S, AP & IP X8 equipment



with connecting cable 5 m



#### Two-pedal foot switch for VIO C, AP & IP X8 equipment



with connecting cable 5 m

	No. 20189-107
= 1	
<b>i</b> 30189-108	

#### One-pedal foot switch for VIO C, AP & IP X8 equipment



with connecting cable 5  $\ensuremath{\text{m}}$ 

	No. 20188-102
= 1	
<b>i</b> 30189-108	

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Further accessories for VIO foot switch	No.
Hoop guard for VIO two-pedal foot switch	20189-306
Middle piece for two-pedal foot switch	20189-308
Cable for VIO 3 foot switch, length 5 m	20189-355
Cable for VIO foot switch, length 5 m	20189-309
Extension cable for VIO foot switch, length 0.6 m	20189-103

#### Foot switches

#### Two-pedal foot switch for ICC, ACC, T-series, AP & IP X8 equipment



with connecting cable 5 m, connecting plug 4 poles

	No. 20189-009
= 1	
<b>i</b> 30189-028	

#### Two-pedal foot switch for ICC 80, ICC 50, ICC Bipolar, IP X8 equipment



without AP protection, with connecting cable 5 m, with connecting plug 4 poles

	No. 20187-003
= 1	
<b>i</b> 30189-028	

#### One-pedal foot switch, only for use with ICC 350, AP & IP X8 equipment



activation only 'bipolar', with connecting cable 5 m, with connecting plug 4 poles

	No. 20188-013
= 1	
<b>i</b> 30189-028	

#### One-pedal foot switch for ICC, ACC, IP X8 equipment



without AP protection, with connecting cable 3 m, with connecting plug 4 poles

	No. 20186-007
= 1	
<b>i</b> 30189-028	



#### Upgrades

VIO Upgrades for VIO D from V.2.x	No.
VIO Upgrade Interface	20140-006
VIO Upgrade Connector BiClamp	29140-214
VIO Upgrade Connector DRY CUT	29140-215
VIO Upgrade Connector TWINCOAG	29140-216
VIO Upgrade Connector PRECISE	29140-217
VIO Upgrade Connector ENDO CUT	29140-218

#### Socket modules

Socket modules	No.
Socket module MF-U, as an upgrade kit for VIO 3	20160-005
Socket module MF-0, as an upgrade kit for VIO 3	20160-004
Socket module MO 3Pin-9/5, as an upgrade kit for VIO 3	20160-001
Socket module MO 3Pin-Bovie, as an upgrade kit for VIO 3	20160-002
Socket module BI 2Pin 22-28-8/4, as an upgrade kit for VIO 3	20160-003
Socket module NE 6 - NE 2Pin, as an upgrade kit for VIO 3	20160-006
Assembly kit without socket, for APC 2 / VEM 2	20134-600
FiAPC socket module for APC 2	20134-651
Socket module BI 2Pin 22-28-8/4, as an upgrade kit	20140-613
Socket module MO 3Pin-Bovie, as an upgrade kit	20140-622
Socket module MO 3Pin-9/5, as an upgrade kit	20140-623
Cover MO 3Pin	20140-625
Complete Cover MO 3PIN	20140-626
Socket module MF-0, as an upgrade kit	20140-630
Socket module MF-2, as an upgrade kit for VIO 300 D	20140-633
Socket module NE 6 - NE 2Pin, as an upgrade kit	20140-642

#### APC pressure reducers and argon gas cylinders

# Country-specific gas cylinder connectors APC 3, APC 2, APC 300









#### DIN 477, Nr. 6 m

for Afghanistan, Algeria, Andorra, Argentina B\*, Austria, Bangladesh D\*, Belgium, Bhutan, Brazil B\*, Brunei, Caribbean Countries, Chile **B\***, China, Croatia, Cyprus, Czech Republic, Egypt, Estonia, France, Germany, Greece, Hungary, Iceland, India D\*, Indonesia, Iran, Ireland, Israel, Japan, Korea North, Korea South, Kuwait D\*, Latvia, Lebanon, Libya, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mauritius, Morocco, Myanmar, Namibia, Nepal D\*, Oman D\*, Pakistan D\*, Peru B\*, Philippines, Poland, Portugal, Qatar D\*, Romania, Russia, Saudi Arabia D\*, Singapore, Slovakia, Slovenia, South Africa, Spain, Sri Lanka D\*, Sudan, Switzerland, Taiwan (ROC), Thailand D\*, Tunisia, Turkey, Ukraine, United Arab Emirates D\*, Uruguay, Vietnam D\*, Yemen D\*, Yugoslavia

#### CGA Nr. 580 m

for Argentina A\*, Bolivia, Brazil A\*, Canada, Chile A\*, Columbia, Dominican Republic, Ecuador, El Salvador, Guam, Guatemala, Haiti, Honduras, Italy, Mexico, New Zealand, Panama, Peru A\*, USA, Venezuela

#### DIN 477, Nr. 10 m

for Denmark, Finland, Ivory Coast, Netherlands, Norway, Sweden

#### BS 341, Nr. 3 m

for Australia, Bangladesh A\*, Great Britain, India A\*, Kuwait A\*, Nepal A\*, Northern Ireland, Oman A\*, Pakistan A\*, Qatar A\*, Saudi Arabia A\*, Sri Lanka A\*, Thailand A\*, United Arab Emirates A\*, Vietnam A\*, Yemen A\*

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<sup>\*</sup> further gas cylinder connectors possible

#### APC pressure reducers and argon gas cylinders

#### Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to DIN 477 No. 6 m, W 21,8 outside, with hose 0,5 m with manual connection  $\,$ 

	No. 20134-004
= 1	
i 30134-008	A

#### Argon gas cylinder, 5 liters, empty



gas cylinder connector to DIN 477 No. 6 m dimensions: height 60 cm, ø 14 cm weight 8,8 kg

	No. 20132-171
= 1	
	A

#### Argon gas cylinder, 5 liters, 200 bar (2800 psi) filled with 4.8 argon gas (99,998%)



gas cylinder connector to DIN 477 No. 6 m dimensions: height 60 cm, ø 14 cm weight 10,7 kg

	No. 20132-004
= 1	
	A

#### Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to CGA No. 580 m, 0,965  $^{\prime\prime}$  inside, with hose 0,5 m

	No. 20134-002
= 1	
<b>i</b> 30134-008	В

#### APC pressure reducers and argon gas cylinders

#### Argon gas cylinder, 5 liters, empty



gas cylinder connector to CGA No. 580 m dimensions: height 60 cm, ø 14 cm weight: 8,1 kg

	No. 20132-165
= 1	
	В

#### Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to DIN 477 No. 10 m, W 24,32 outside, with hose 0,5 m with manual connection  $\,$ 

	No. 20134-001
= 1	
<b>i</b> 30134-008	G

#### Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to BS 341 No. 3 m, G  $5/8^{\prime\prime}$  inside, with hose 0,5 m, with manual connection

	No. 20134-003
= 1	
<b>i</b> 30134-008	D

#### Pressure reducer with sensor for APC 2/APC 3



	No. 20134-005
= 1	
<b>i</b> 30134-008	Japan

#### Pressure reducer with sensor for APC 2/APC 3 $\,$



	No. 20134-006
= 1	
<b>i</b> 30134-008	B

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#### Further APC accessories

#### Pressure reducer with sensor for APC 2/APC 3, with manual connection



gas cylinder connector to ISO 5145  $\ensuremath{\text{n}^{\circ}\text{4}},$  with hose 0.75 m

	No. 20134-007
= 1	
<b>☐i</b> D130245	France

#### Pressure reducer without sensor for APC 300, with manual connection



gas cylinder connector to ISO 5145  $\ensuremath{\text{n}^{\circ}\text{4}},$  with hose 0,75 m

	No. 20132-078
= 1	
<b>i</b> D130245	France

#### Bacteriological filter set, APC 2, APC 300, 0.2 µm, steril



	No. 20132-059
= 50	
	2
<b>i</b> 30132-275	STERILE EO

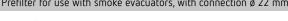
#### Connecting tube for central gas supply, APC 2/APC 3, APC 300, length 1 m



	No. 20132-085
= 1	

Socket modules	No.
FiAPC socket module for APC 2	20134-651

# 







No. 20323-000

No. 20321-000

2

Smoke evacuation tubing ø 32 mm, length 1.8 m, type VT 10106 for connection to central evacuation system



	No. 20323-009
= 6	
	2
<b>i</b> D147210	

Suction hose, with connection ø 22 mm, length 2.1 m



	No. 20321-012
= 1	
	max 95 °C
	max 134 °C

#### Suction hose, with connection ø 22 mm, length 2.7 m



	No. 20321-009
= 1	
	max 95 °C
	max 134 °C

#### Evacuation tube, optimized streaming, with connection $\emptyset$ 22 mm

	No. 20321-004
= 1	
	max 95 °C
	max 134 °C

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#### IES smoke evacuation system

#### Evacuation funnel, with connection ø 22 mm



	No. 20321-010
= 1	
	max 95 °C
	max 134 °C

#### T-piece, 22M - 22F - 22M for simultaneous application





#### LAP tubing set IES 3, with trumpet valve, 3 m, for laparoscopic application



	No. 20323-003
= 10	
	2
<b>1</b> D146821	STERILE EO

#### LAP tubing set IES 3, with trumpet valve, 5 m, for laparoscopic application



	No. 20323-006
= 10	
	2
<b>1</b> D146821	STERILE EO

#### LAP tubing set IES 3, without valve, 3 m, for laparoscopic application



	No. 20323-010
= 10	
	2
<b>1</b> D146821	STERILE EO

#### LAP tubing set IES 3, without valve, 5 m, for laparoscopic application



	No. 20323-011
= 10	
	2
<b>i</b> D146821	STERILE EO

#### IES smoke evacuation system

#### Evacuation element IES 3 for central evacuation



	No. 20323-001
= 1	
<u>i</u>	

#### Automatic Activation Device for IES 3 for VIO C, electrosurgical external devices or stand-alone operation



	No. 20323-002
= 1	
<b>i</b> D158940	

#### Self-sealing water trap, right angled, medium volume for protecting the main filter cartridge



	No. 20323-004
= 1	
	2
① <b>i</b> D139277	STERILE EO

#### Evacuation element with connector ø 22 mm for IES 2





	No. 20322-010
= 1	

#### One-pedal foot switch for IES 2, AP & IP X8 equipment

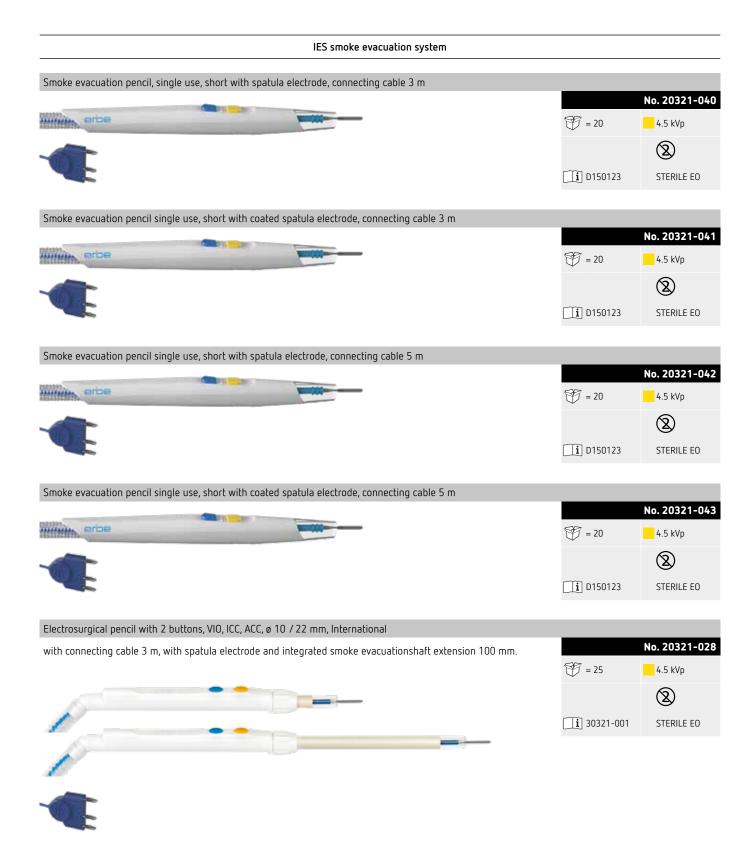


with connecting cable 5 m, with connecting plug 7 poles

	No. 20322-101
= 1	
	max 75 °C
<b>i</b> 30189-301	

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Power cord and foot switch cable	No.
Power cord ICC / IES 300, length 0.35 m	51704-033



### IES smoke evacuation system Clip-On handle for smoke evacuation for 20190-065, -066, -067, -074, -075 No. 20321-044 To be used in combination with Erbe Slim-Line electrosurgical pencils (20190-065, 20190-066, 20190-067, 20190-074, 20190-075) = 20 2 **1** D150128 STERILE EO Extension tip for Clip-On handle (20321-044) No. 20321-045 To be used in combination with 20321-044 = 25 2 **1** D150128 STERILE EO Clip-on handle for Slim-Line electrosurgical pencils, tip short 12 mm No. 20321-007 with evacuation tubing 3 m and connection $\emptyset$ 22 mm, without electrosurgical pencil = 25 2 **i** 30321-000 STERILE EO Clip-on handle for Slim-Line electrosurgical pencils, tip long 100 mm



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#### EIP 2 irrigation pump

#### Tubing set EIP 2 for flexible endoscopes, with Luer Lock connection, length 2.5 m



replaces 20325-001

	No. 20325-010
= 10	
	2
<b>i</b> D148285	STERILE EO

#### Tubing set EIP 2 for irrigation forceps, without connecting cable, length 2.8 m



replaces 20325-020

	No. 20325-011
= 10	
	2
<b>i</b> D148285	STERILE EO

#### One-pedal foot switch for EIP 2, AP & IP X8 equipment



with connecting cable 3 m, connecting plug 4 poles

	No. 20325-000
= 1	
<b>i</b> 30189-028	

#### Hook for irrigation liquid bag on bracket / VIO Cart



	No. 20325-002
= 1	
	max 95 °C
	max 134 °C

#### EIP 2 irrigation pump

### Irrigation adapter for Olympus, Fujifilm G5, STORZ



No. 20325-003



#### Irrigation adapter for Fujifilm



	No. 20325-004
= 1	



## Irrigation adapter for PENTAX



	No. 20325-005
= 1	



Fastening sets	No.
Fastening set EIP 2 / ESM 2 to VIO Cart 20180-000	20180-135
Fastening set EIP 2 to Universal Cart	20185-203

#### Fluid management system

#### Reusable, with one suction unit



Single components	Pieces	No.
Silicone hose, length 600 mm	1	20340-004
Rail bracket, plastic	1	20340-002
Upper bracket for VIO CART, length 260 mm	1*	20180-040

<sup>\*</sup> optional

#### Reusable, with two suction units



Single components	Pieces	No.
Silocone hose, length 600 mm	1	20340-004
Reversing valve, rail bracket with two silicone hoses, length 300 mm	1	20340-003
Rail bracket, plastic	2	20340-002
Lower bracket for VIO CART, length 390 mm	1	20180-042
Upper bracket for VIO CART, length 260 mm	1	20180-040

#### Fluid management system

#### ESM membrane filter



for use with silicone hose 20340-004

	No. 20340-100
= 10	
	2

#### Silicone hose, length 600 mm



	No. 20340-004
= 1	
	max 95 °C
	max 134 °C

#### Rail bracket, plastic



for use with suction container 20340-102 and 20340-103

	No. 20340-002
= 1	

#### Switching valve, rail bracket and 2 silicone hoses, length 300 mm



	No. 20340-003
= 1	
	max 95 °C
	max 134 °C

#### Fluid management system

#### Suction container, 1.5 liters



for use with suction bag 20340-012

	No. 20340-102
= 1	

#### Suction bag, 1.5 liters



for use with suction container 20340-102

	No. 20340-012
= 30	
	2

#### Suction bag, 2.5 liters



for use with suction container 20340-103

	No. 20340-013
= 30	
	2

#### Nerve test / NT 2

#### Electrosurgical pencil for nerve test with 1 button, for silver ball electrode, NT 2, ICC 350 ZMK $\,$

with connecting cable 4 m





	No. 20190-148
= 1	0.25 kVp
	max 95 °C
<b>i</b> 30190-262	max 138 °C

Silver ball electrode for nerve test, ø 1 mm, length 40 mm	Shape / Forming	Piece	No.
GD10=	straight	1	21191-052

#### Patient plates for NT 2, without connecting cable





	No. 20142-200
= 200	
	2

#### Patient plate cable for NT 2, length 3 m





#### Test box

#### Test box 3 for checking of electrosurgical accessories



	No. 20183-042
= 1	

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#### Important information

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