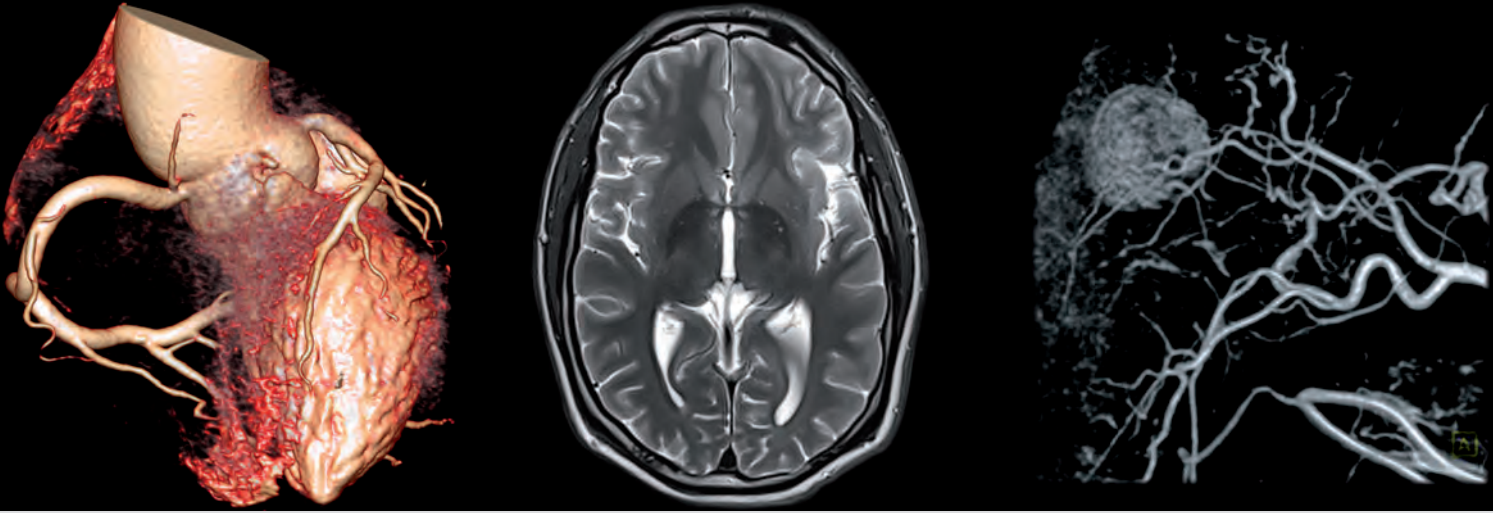


Essential for contrast



© Photos: Siemens AG

MED (TRON)[®] AG

PRODUCT CATALOGUE





Hauptstr. 255
66128 Saarbruecken
Germany
Phone: +49 (0)681-97017-0
Fax: +49 (0)681-97017-20
Mail: info@medtron.com
Web: www.medtron.com

Essential for contrast



PREFACE

Martin Bartels, Chairman of the Board



For more than twentyfive years we have been putting our knowledge and our innovation at the service of radiologists and their patients.

Thomas Alva Edison, the inventor of the light bulb, once said: "If there is a way to do it better, find it." From our point of view, this is the best way to permanently ensure quality.

This means to us to provide an even better support for the users in their workflow. Therefore, we develop contrast medium injectors and the corresponding medical devices for single and multiple use, which can be handled ever more easily, safely and quickly and thus help to save time and effort in every examination.

With our innovative injection systems we develop pioneering solutions which combine an optimal support in imaging and a contrast medium injection which is as safe and patient-friendly as possible.

Moreover, we permanently adapt our own development and production processes in such a way that we are able to face the current and future requirements of our customers open-mindedly and creatively.

MEDTRON injection systems are long-lived and fail-safe. Our service team is very reliable and helps quickly and competently. Our injectors are exclusively produced in Germany. This is a further quality advantage which we use for the benefit of our customers.

The accuracy of our injectors is already part of the name of our new product generation: Accutron.

All that makes our products what they are:
Essential for contrast.

Martin Bartels
Chairman of the Board

The logo for MEDTRON AG. The word "MED" is in a light grey font, and "TRON" is in a bold, dark grey font. A stylized red "C" shape is positioned to the left of "TRON". To the right of "TRON" is "AG" in a smaller, dark grey font. Below the main text, the words "MED TRON" are repeated in a very light, faded grey font.

MEDTRON AG Page 6

History Page 7

● Magnetic Resonance Imaging

Accutron MR3..... Page 10 - 15

Accutron MR..... Page 16 - 20

Consumables Page 21 - 29

● Computed Tomography

Accutron CT-D Page 30 - 35

Accutron CT Page 36 - 40

Consumables Page 41 - 47

● Angiography

Accutron HP-D Page 48 - 53

Accutron HP..... Page 54 - 58

Consumables Page 59 - 63

● Multiple use Page 64 - 70

Consumables-Overview..... Page 71 - 77

Service Page 78

Contact & Teams Page 79



MEDTRON AG - Essential for contrast

MEDTRON AG is an internationally operating medical technology company. As one of the leading manufacturers of ultramodern contrast medium injectors, MEDTRON AG has made its name on the international market: Across the globe, many thousand doctors, hospitals and diagnostic centres place their trust in MEDTRON's contrast medium injectors made in Germany. The innovative and high quality injector systems of the German company complete almost all modern examination methods which can be performed by the help of medical imaging systems such as computed tomography, magnetic resonance imaging and angiography.

One of the aims of the competent MEDTRON R&D team is to combine improved diagnostics, patient-friendliness and economic efficiency. Experienced radiologists and creative engineers work together amongst others to improve image representation by means of special injection profiles in radiology – an aim which can only be reached by a flexible drive concept for the injectors. Therefore, the R&D team is in constant dialogue with the users of the injectors and integrates customer requirements into the product development.

To optimize examination techniques, development projects are also run in close cooperation with all well-known manufacturers of radiological imaging systems and devices.

On request, every contrast medium injector of MEDTRON can be equipped with a user interface in most of the corresponding languages. Of course, MEDTRON offers a wide range of device-specific and high-quality consumables for its injectors.

Certificates

MEDTRON AG is certified according to

- DIN EN ISO 13485
- Annex II, Directive 93/42/EEC

Opportunities and the successes we made out of them ...

- **2017**
 - 25 years MEDTRON AG – A quarter of a century
- **2014**
 - Market launch of Accutron MR3 with integrated infusion pump
- **2013**
 - MEDTRON opens new production site for consumables at Hermeskeil/Germany
- **2012**
 - 20th anniversary of MEDTRON AG
- **2010**
 - Market launch of the Accutron HP
- **2008**
 - Market launch of the Accutron HP-D (first double head injector for angiography)
 - Market launch of the Accutron CT-D
- **2007**
 - 15th anniversary of MEDTRON AG
- **2006**
 - Market launch of the new Accutron series: Accutron CT, Accutron MR
- **2004**
 - Market launch of the Easy Loading Syringe (ELS)
- **2003**
 - Change of legal form to "AG" (corresponds roughly to "plc" or "inc"), trading now under the name of MEDTRON AG
 - Market launch of the touch screen remote control for Injektron CT2 and Injektron 82 MRT
- **2002**
 - 10th anniversary of MEDTRON Medizinische Systeme GmbH
- **2000**
 - Market launch of the CT injector Injektron CT2, the first double head injector for computed tomography in the world; it has been awarded the Saarland State Prize for Product Design
- **1998**
 - Market launch of the MRI injector Injektron 82 MRT, approved for the use with tomographs of up to 3 Tesla
- **1996**
 - Market launch of the Angio/CT injector Injektron 82 HP, the first bifunctional high-pressure injector for angiography and computed tomography
- **1993**
 - Market launch of the CT injectors Injektron 82 M and 82 S, special versions of the Injektron 82 CT for the use of prefilled injection syringes
 - Sales start of disposable articles
- **1992**
 - Foundation of MEDTRON Medizinische Systeme GmbH
The aim: to develop, produce and distribute medical devices for radiology and to set up an international distribution and service network
 - Development and market launch of the CT injector Injektron 82 CT, the first compact microprocessor-controlled injector









Artikel-Nummer: MR882
(only usable with Siemens scanner)

Accutron MR3:

The master of multi-tasking



Easy filling

- Automatic filling or manual filling with variable speed
- Optimized tube systems with check valves

Mindful workflow

- KVO function ensures that access to the vein is maintained during long examinations
- Injection can be interrupted at any time and continued if needed

Wireless & mobile

- Mains supply independent thanks to high-output rechargeable batteries

Hygienic design

- Tough, stable and light aluminum casing
- Easy to clean and hygienic

Technical data



Mechanical design

- Swivelling injection units connected to a mobile column stand
- Injection position at an angle of about 15° below horizontal, tilt vertically upwards to vent the system
- Total weight: 41 kg



Power supply

- Operation is independent of the mains supply, thanks to high-output rechargeable batteries
- Input voltage charger: 100 – 240 V, 50 – 60 Hz
- Power consumption charger: < 140 VA



Injection profiles

- 80 injection profiles can be edited and stored by the user



Filling of injection syringes

- Automatic filling via menu with volume input or manual filling with variable speed
- Filling speed: 1 – 4 ml/s
- Optimized tube systems with check valves

Injection parameters

Maximum injection volume	64 ml (CM) / 200 ml (NaCl) / 50 ml (Infusion pump)
Partial injection volume	0.1 – 64 ml (CM) / 200 ml (NaCl), programmable in 0.1 ml increments
Maximum injection pressure	21 bar, programmable from 5 to 21 bar in 1 bar increments
Flow rate CM / NaCl	0.1 – 10 ml/s, programmable in 0.1 ml/s increments Alternatively, input of flow rate or phase duration
Flow rate infusion pump	0.001 – 30 ml/min, programmable in 0.001 ml/min increments
Number of phases	1 to 6
Injection delay	0.1 – 600 s
Phase delay	1 – 255 s
Remote control	Wireless touch screen remote control Alternatively, display of injection parameters or pressure graph Optional: hand switch

Subject to technical alterations



Accessories and Options



Accutron Infusion stand
Article number 490201



Touch screen remote control
Article number FB887



Adapter for prefilled syringes Type D
Article number 490163



Adapter for syringes
64 ml NaCl
Article number 610183



Adapter for prefilled syringes
Type M
Article number 490180

Accessories and Options

Article name	Description	Article number
Remote control	Touch screen remote control	FB887
Power supply unit remote control	Power supply unit MPP30 24 V/ 30 W for touch screen remote control	400424
Charger	Charger Mascot 24 V, input voltage: 110-230 V	LG1003
Adapter 64 ml ELS NaCl	Adapter for the option "empty syringe" (64 ml NaCl)	610183
Software Option "Prefilled Type D"	Software option "Prefilled CM syringe" Dotarem, ProHance, Magnevist, Gadovist, Omniscan	490163
Software Option "Prefilled Type M"	Software option for the option "Prefilled CM syringe" - MultiHance	490180
Bottle holder	Bottle holder with cupholder and cup	600351
Cup	Cup 100 ml	600174
Infusion stand	Infusion stand for Accutron MR3 with cupholder and cup	490201
Antenna extension set	Antenna extension set for MRI consisting of: 20 m data cable, SMA antenna coupling, 0.25 m SMA antenna extension, 2 x adapter socket BNC - SMA	600015
Antenna 2.4 GHz	Antenna 2.4 GHz, straight	400020
Data cable, 9-pole	Data cable, 9-pole Sub-D (for MRI), plug - plug, 20 m	420169
Transmitter	Transmitter with Bluetooth radio module	600783

Accutron MR3

The master of multi-tasking

The Accutron MR3 is designed for precisely dosed injections of contrast medium (CM) and saline solution (NaCl) as well as for the infusion of fluids. The Accutron MR3 has an injection unit with three drive units which can be controlled independently of each other. The third drive in the injection unit, the so-called infusion pump, is used for the infusion of fluids. You can create both pure infusion phases and pure injection phases as well as combined phases with injection and infusion steps in a profile.

Clinical improvements

- The integrated infusion pump enables simultaneous administration of fluids during an MRI examination.
- It extends your clinical application to include pharmacological cardiac MRI stress testing.

Operating improvements

- Wireless and mobile configuration provides flexibility by eliminating barriers, such as nearby power requirements and/or cable installation.
- It functions with select pre-filled syringes to increase throughput via quick use and improved patient turnaround times.

Financial improvements

- The integrated infusion pump eliminates the need to purchase a separate MR compatible infusion device.
- Wireless and mobile configuration without power requirements and/or cable installations reduces costly installation expenses.



USABLE WITH
2 REMOTE
CONTROLS !

Article number: MR880

Accutron MR:

The mobile MRI specialist



Easy filling

- Automatic filling or manual filling with variable speed
- Optimized tube systems with check valves

Mindful workflow

- KVO function ensures that access to the vein is maintained during long examinations
- Injection can be interrupted at any time and continued if needed

Wireless & mobile

- Mains supply independent thanks to high-output rechargeable batteries

Hygienic design

- Tough, stable and light aluminum casing
- Easy to clean and hygienic

Technical data



Mechanical design

- Swivelling injection units connected to a mobile column stand
- Injection position at an angle of about 15° below horizontal, tilt vertically upwards to vent the system
- Total weight: 37 kg



Power supply

- Operation is independent of the mains supply, thanks to high-output rechargeable batteries
- Input voltage charger: 100 – 240 V, 50 – 60 Hz
- Power consumption charger: < 160 VA



Injection profiles

- 80 injection profiles can be edited and stored by the user



Filling of injection syringes

- Automatic filling via menu with volume input or manual filling with variable speed
- Filling speed: 1 – 5 ml/s
- Optimized tube systems with check valves

Injection parameters

Maximum injection volume	64 (CM) / 200 ml (NaCl)
Partial injection volume	0.1 – 200 ml, programmable in 0.1 ml increment
Maximum injection pressure	21 bar, programmable from 5 to 21 bar in 1 bar increments
Flow rate of the two injection units	0,1 – 10 ml/s, programmable in 0.1 ml/s increments Alternatively, input of flow rate or phase duration
Number of phases	1 to 6
Injection delay	1 – 255 s
Phase delay	1 – 255 s
Remote control	Wireless touch screen remote control Alternatively, display of injection parameters or pressure graph Optional: hand switch

Subject to technical alterations



Accessories and Options



Touch screen remote control
Article number FB886



hand switch for Accutron MR
with hand switch holder
Article number 601065



Double bottle holder
Article number 601001



Adapter for
prefilled syringes
Article number 490108



Adapter 64 ml ELS
Article number 602175

Article name	Description	Article number
Remote control	Touch screen remote control	FB886
Power supply unit remote control	Power supply unit MPP30 24 V/30 W for touch screen remote control	400424
Charger	Charger Mascot 24 V, input voltage: 110-230 V	LG1003
Hand switch with holder	Hand switch for Accutron MR880 with holder for remote control	601065
Software Option „prefilled syringe“	Enables the use of prefilled syringes via ELS adapter e.g. Optiray	490108
Double bottle holder	Double bottle holder Accutron	601001
Cupholder	Cupholder with tube holder for the following versions: CM-200, CM-65	504162
Cup	Cup 100 ml	600174
Adapter & cupholder combination 1	Combination for adapter and cupholder Accutron MR for version CM-20/200	502164
Adapter & cupholder combination 2	Combination for adapter and cupholder Accutron MR for the following versions: CM-20/65/200, CM-65/200, CM-20/65	502163
Adapter 64 ml ELS	Adapter for the option "empty syringe" (64 ml NaCl)	602175
Antenna extension set	Antenna extension set for MRI	600015
Antenna 2.4 GHz	Antenna 2.4 GHz, straight	400020
Data cable, 9-pole	Data cable, 9-pole Sub-D (for MRI), plug – plug, 20 m	420169
Transmitter	Transmitter with Bluetooth radio module	600783
Option 2nd remote control	Option for the use of two remote controls for MR880	490112

Accutron MR

The mobile MRI specialist

The Accutron MR is designed for precisely dosed injections of contrast medium (CM) and saline solution (NaCl). The Accutron MR has two injection units which can be controlled independently of each other and so the contrast medium can be positioned variably and accurately in the examination area with NaCl, depending on the application.

Clinical improvements

- The Keep-Vein-Open (KVO) software feature helps to maintain vascular access during longer imaging procedures.
- The compatibility with select pre-filled syringes helps to support improved hygiene and reduced risk of contamination.

Operating improvements

- Wireless and mobile configuration provides flexibility by eliminating barriers, such as nearby power requirements and/or cable installation.
- It can be used with two remote interfaces so that one injector is shared between two MR examination rooms.

Financial improvements

- Wireless and mobile configuration without power requirements and/or cable installations reduces costly installation expenses.
- The increased patient throughput with pre-filled syringes is leading to potentially increased revenue.

CONSUMABLES

Double head injectors for magnetic resonance imaging (21 bar/305 psi)

Article number



ELS 200 ml (Easy Loading Syringe) with filling tube 31 6025-000

Residual volume: 1.5 ml

ELS 200 ml (S) (Easy Loading Syringe) 31 6026-000

Residual volume: 1.5 ml

Packing unit: 50 pieces/carton – 1,500 pieces/pallet



ELS 65 ml (Easy Loading Syringe) 31 6065-000

Residual volume: 0.3 ml

Packing unit: 50 pieces/carton – 2,100 pieces/pallet



Tube system with suction line and drip chamber (for Scanbag® CM-supply bag) 31 7083-100

	ID	Length	Filling volume
CM-Side	2.0 mm	10 cm	0.3 ml
NaCl-Side	2.0 mm	40 cm	1.3 ml
Patient line	1.5 mm	150 cm	2.7 ml
Suction side with drip chamber	2.7 mm	100 cm	15.8 ml

Suitable for prefilled syringes

Packing unit: 50 pieces/carton – 2,800 pieces/pallet



MRS 222 MR-tube system with 1 inline drip chamber (for Scanbag® CM-supply bag) 31 7099-100

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	12 cm	0.6 ml
NaCl-Side	36 cm	1.3 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	5.8 ml
NaCl-Side, white	100 cm	5.8 ml
2 x drip chamber		each one 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet

CONSUMABLES

Double head injectors for magnetic resonance imaging (21 bar/305 psi)



MRS 222 MR-tube system

Article number

31 7100-100

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	12 cm	0.6 ml
NaCl-Side	36 cm	1.3 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	5.8 ml
NaCl-Side, white	100 cm	5.8 ml
2 x drip chamber		each one 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet



Double head-tube system

31 7101-100

Length from Y-piece: 180 cm
 Inner diameter: 2.0 mm
 Total filling volume: 6.9 ml

Packing unit: 50 pieces/carton – 4,000 pieces/pallet



MR-ELS tube system with 2 valves, green

31 7104-000

Inner diameter: 1.7 mm
 Coiled line: 180 cm
 Short side: 10 cm
 Long side: 34 cm
 Filling volume: 5.1 ml

Packing unit: 50 pieces/carton



Double head-tube system with 1 inline drip chamber

31 7109-100

(for Scanbag® CM-supply bag)

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	12 cm	0.4 ml
NaCl-Side	36 cm	1.1 ml
Patient line (ID: 1.5 mm)	150 cm	2.6 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	5.8 ml
NaCl-Side, white	100 cm	5.8 ml
2 x drip chamber		each one 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet

Double head injectors for magnetic resonance imaging (21 bar/305 psi)



MRS 225 MR-tube system

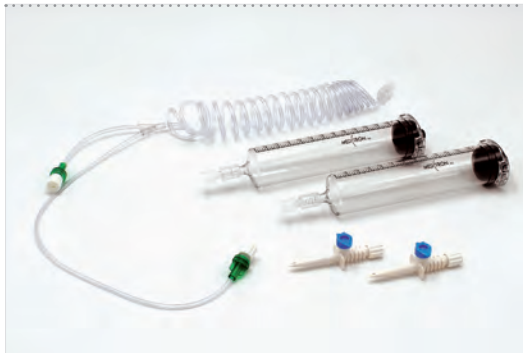
Article number

31 7125-100

Inner diameter: 2.0 mm

	Length	Filling volume
CM-Side	6 cm	0.2 ml
NaCl-Side	32 cm	1.0 ml

Packing unit: 50 pieces/carton - 4,000 pieces/pallet



MR-Set ELS 65 ml

31 7602-100

2 pieces	ELS 65 ml (Easy Loading Syringe)	31 6065-000
1 piece	MR-ELS tube system with 2 valves, green	31 7104-100
2 pieces	standard spike	31 9095-100

Packing unit: 20 pieces/carton

Suitable for 65/65 ml version



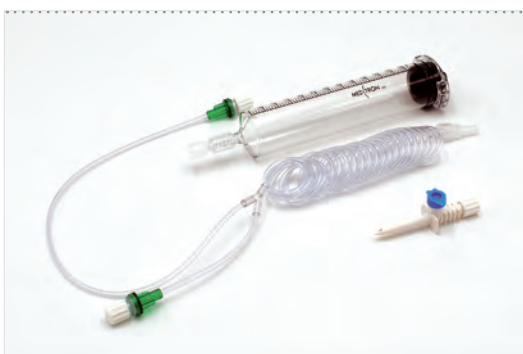
MR-Set ELS 65/200 ml

31 7603-100

1 piece	ELS 65 ml (Easy Loading Syringe)	31 6065-000
1 piece	ELS 200 ml (S) (Easy Loading Syringe)	31 6026-000
1 piece	Double head tube system	31 7101-100
1 piece	SP 227 vented spike, luer lock	31 9095-100
1 piece	Minispike, green	31 9099-100

Packing unit: 24 pieces/carton - 384 pieces/pallet

Suitable for 65/200 ml version



MR-Kit ELS 65 ml

31 7604-100

1 piece	ELS 65 ml syringe	31 6065-000
1 piece	MR-ELS tube system with 2 valves, green	31 7104-100
1 piece	standard spike	31 9095-100

Packing unit: 50 pieces/carton

CONSUMABLES

Double head injectors for magnetic resonance imaging (21 bar/305 psi)



CT2/MRT Set ELS

31 7625-000

2 pieces	ELS 200 ml (Easy Loading Syringe) with filling tube	31 6025-000
1 piece	MRS 222 MR-tube system	31 7100-000
1 piece	ES 224/150 patient line	31 8151-000

Packing unit: 20 pieces/carton – 600 pieces/pallet

Suitable for 200/200 ml version

just for
Accutron MR



CT2/MRT Set ELS (S)

31 7627-100

2 pieces	ELS 200 ml (S) (Easy Loading Syringe)	31 6026-000
1 piece	MR 222 MR-tube system	31 7100-100
1 piece	ES 224/150 patient line	31 8151-100

Packing unit: 20 pieces/carton – 600 pieces/pallet

Suitable for 200/200 ml version

just for
Accutron MR



ES 224/25 patient line with valve

31 8020-100

Length: 25 cm
Inner diameter: 1.5 mm
Filling volume: 0.4 ml

Packing unit: 100 pieces/carton – 8,000 pieces/pallet



One-way-stopcock with extension line 30cm, luer lock

31 8025-100

Length: 32 cm
Inner diameter: 2.0 mm
Filling volume: 0.9 ml

Packing unit: 200 pieces/carton – 5,000 pieces/pallet

Double head injectors for magnetic resonance imaging (21 bar/305 psi)

Article number



Patient line 150 cm with terminal check valves

31 8026-100

Length: 150 cm
Inner diameter: 2.0 mm
Filling volume: 4.8 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet

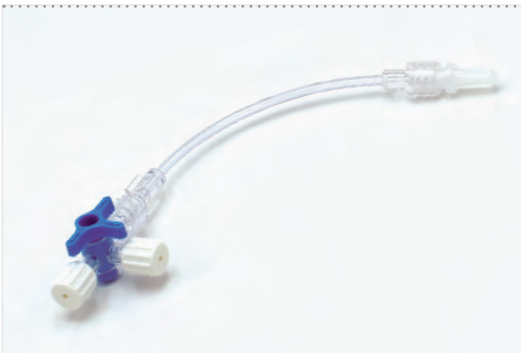


Patient line 150 cm with 2 check valves

31 8036-100

Length: 150 cm + 10 cm
Inner diameter: 1.5 mm
Filling volume: 2.8 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet



DW 229 Connector with 3-way stop cock

31 8042-100

Filling volume: 0.2 ml

Packing unit: 100 pieces/carton – 8,000 pieces/pallet



ES 224 Patient line

Inner diameter: 1.5 mm

ES 224/80 Length: 80 cm, filling volume: 1.5 ml 31 8081-100

ES 224/100 Length: 100 cm, filling volume: 1.8 ml 31 8101-100

ES 224/150 Length: 150 cm, filling volume: 2.7 ml 31 8151-100

ES 224/200 Length: 200 cm, filling volume: 3.6 ml 31 8199-100

ES 224/250 Length: 250 cm, filling volume: 4.4 ml 31 8250-100

ES 224/300 Length: 300 cm, filling volume: 5.3 ml 31 8300-100

Packing unit: 200 pieces/carton – 11,200 pieces/pallet

CONSUMABLES

Double head injectors for magnetic resonance imaging (21 bar/305 psi)

Article number



Patient line with valve

Inner diameter: 1.5 mm

Length: 150 cm, filling volume: 2.7 ml

Length: 200 cm, filling volume: 3.5 ml

Length: 250 cm, filling volume: 4.4 ml

Length: 300 cm, filling volume: 5.3 ml

31 8152-100

31 8198-100

31 8251-100

31 8301-100

Packing unit: 200 pieces/carton – 11,200 pieces/pallet



Coiled line 150 cm

31 8213-000

Length: 150 cm

Inner diameter: 1.6 mm

Filling volume: 3.1 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet



Coiled line with check valve

Inner diameter: 1.6 mm

Length: 150 cm, filling volume: 3.1 ml

Length: 180 cm, filling volume: 3.7 ml

31 8214-000

31 8181-000

Packing unit: 50 pieces/carton – 5,850 pieces/pallet



Coiled line 150 cm with 2 check valves

31 8217-000

Inner diameter: 1.5 mm

Length: 150 cm

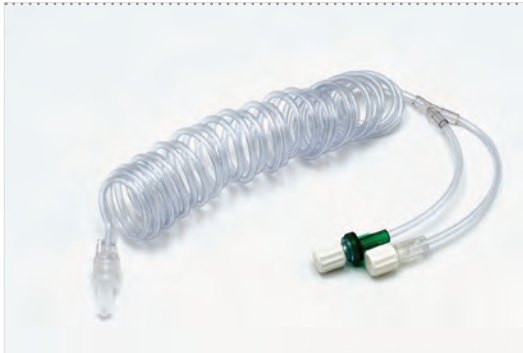
Filling volume: 2.6 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet

CONSUMABLES

Double head injectors for magnetic resonance imaging (21 bar/305 psi)

Article number



Coiled line 235 cm with Y-connector and valve 31 8235-000

Length: 235 cm + 1 x 10 cm + 1 x 12 cm

Inner diameter: 1.6 mm

Total Filling volume: 5.6 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet

just for
Accutron MR3



Coiled line with check valve

Inner diameter: 1.5 mm

Length: 250 cm, filling volume: 4.4 ml

31 8253-000

Length: 300 cm, filling volume: 5.3 ml

31 8303-000

Packing unit: 50 pieces/carton – 5,850 pieces/pallet



DW 226 3-way stopcock

31 9085-100

Filling volume: 0.3 ml

Packing unit: 50 pieces/carton

200 pieces/carton – 11,200 pieces/pallet

CONSUMABLES

Double head injectors for magnetic resonance imaging (21 bar/305 psi)



SP 227 vented spike, luer lock

Article number

31 9095-100

Filling volume: 0.4 ml

Packing unit: 50 pieces/carton
200 pieces/carton- 11,200 pieces/pallet



Minispike green

31 9099-100

Filling volume: 0.2 ml

Packing unit: 50 pieces/carton
200 pieces/carton- 11,200 pieces/pallet

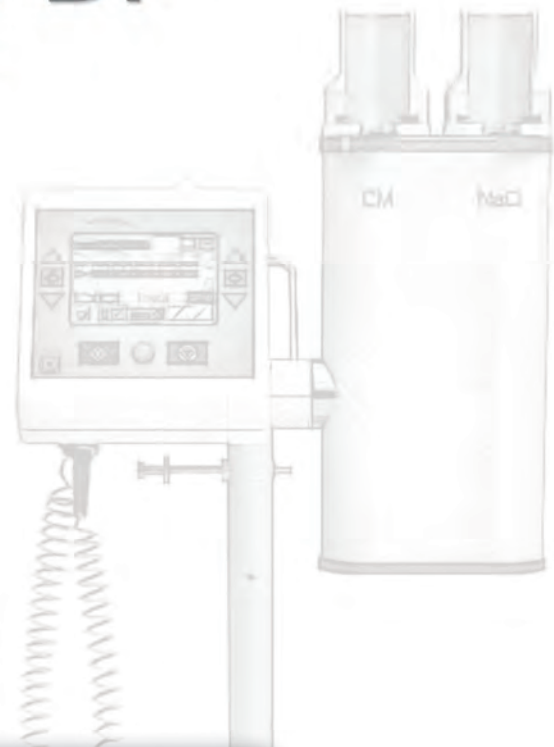




Article number CT860

Accutron CT-D:

The diagnostics specialist



Easy filling

- Automatic filling or manual filling with variable speed
- Optimized tube systems with check valves

Mindful workflow

- Two-step launching process and Pre-inject function controlled via the start/stop hand switch provide precise monitoring
- SMART Assist offers an automated workflow

Wireless & mobile

- Mains supply independent thanks to high-output rechargeable batteries

Hygienic design

- Tough, stable and light aluminum casing
- Easy to clean and hygienic

Technical data



Mechanical design

- Swivelling injection unit on a mobile column stand
- Secured injection position at an angle of about 15° below horizontal (detected by a built-in inclination sensor), tilt vertically upwards to vent the system
- Total weight: 26 kg



Power supply

- Operation is independent of the mains supply thanks to high-output rechargeable batteries.
- Input voltage charger: 100 – 240 V, 50 – 60 Hz
- Power consumption charger: < 100 VA



Injection profiles

- 80 profiles can be edited and stored by the user



Filling of injection syringes

- Automatic filling via menu with volume input or manual filling with variable speed
- Filling speed: 1 – 5 ml/s
- Optimized tube systems with check valves

Injection parameters

Maximum injection volume	2 x 200 ml
Partial injection volume	1 – 200 ml, programmable in 1 ml increments
Maximum injection pressure	21 bar, programmable from 5 to 21 bar in 1 bar increments
Flow rate of the two injection units	0.1 – 10 ml/s, programmable in 0.1 ml/s increments Alternatively, input of flow rate or phase duration
Number of phases	1 to 6
Injection delay	0 – 255 s
Phase delay	0 – 255 s
Scan delay	0 – 255 s

Subject to technical alterations



Accessories and Options



Accutron CT-D power supply
Article number CT862



Touch screen remote control,
wireless with power supply
Article number FB866



Double bottle holder
Accutron CT-D
Article number 490203



Infusion stand
Article number 490200



Handswitch for CT-D
Article number 601062

Article name	Description	Article number
Accutron CT-D power supply	Double head injector for computed tomography power supply version	CT862
Accutron CT-D ceiling mount	Double head injector for computed tomography ceiling mount version	CT861
Ceiling suspension	Ceiling suspension Accutron CT-D	530166
Power supply unit for ceiling version	Power supply unit Accutron CT-D for ceiling version	600417
Power supply unit for roller version	Double head injector for computed tomography	600424
CANopen Interface Siemens	CANopen Interface (Siemens) for Accutron CT-D	IF864
Interface Philips	Interface for Philips Scanner	620148
Remote control	Touch screen remote control	FB866
Power supply unit for remote control	Power supply unit MPP30 24 V/30 W for touch screen remote control	400424
Charger	Charger 24 V for CT-D/CT input voltage: 110-230 V	LG1004
Software option "prefilled syringe"	Enables the use of prefilled syringes via ELS adapter e.g. Optiray	490110
Hand switch	Hand switch for CT-D	601062
Infusion stand	Infusion stand for Accutron CT-D with cupholder and cup	490200
Bottle holder	Bottle holder with cupholder and cup	600351
Double bottle holder	Double bottle holder for Accutron CT-D ceiling version (CT861)	490203
Cup	Cup 100 ml	600174
Cup holder	Cup holder with cup	600334
Antenna 2.4 GHz	Antenna 2.4 GHz	400020

Accutron CT-D

The diagnostic specialist

The Accutron® CT-D is designed for precisely dosed injections of contrast medium (CM) and saline solution (NaCl) in computed tomography. It has an injection unit with two drive units which can be controlled independently of each other and so the contrast medium can be positioned variably and accurately in the examination area by the help of NaCl, depending on the application.

The Accutron® CT-D is also made for use in contrast-enhanced mammography procedures.

Clinical improvements

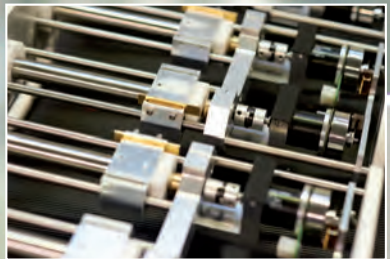
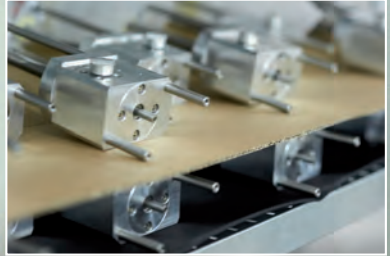
- It limits patient risk by reducing the amount of contrast a patient receives during injection.
- It supports CE mammography as a new clinical application area in women's health.
- It may reduce risk of infections by being easy to clean and hygienic.

Operating improvements

- Wireless and mobile configuration provides flexibility to quickly change examination rooms and eliminates barriers, such as nearby power requirements and/or cable installation.
- The integration with the scanner interface reduces workload for the operator and improves patient turnaround times.

Financial improvements

- It may reduce the amount of contrast required per patient, resulting in less operating expenses.
- It supports the development of a new clinical service in mammography, leading to potentially increased revenue.





Article number CT871

Accutron CT:

The flexible precision partner



Easy filling

- Automatic filling or manual filling with variable speed
- Optimized tube systems with check valves

Mindful workflow

- Up to 80 injection profiles, individually created for your examination and easily accessible
- Two step launching process controlled via the start/stop hand switch provides precise monitoring.

Agile mobility

- Light weight and compact design allow easy placement.
- Wireless touch screen remote control offers cable-free installation and service.

Hygienic design

- Tough, stable and light aluminum casing
- Easy to clean and hygienic

Technical data



Mechanical design

- Swivelling injection unit on a mobile column stand
- Secured injection position at an angle of about 15° below horizontal (detected by a built-in inclination sensor), tilt vertically upwards to vent the system
- Total weight: 14.4 kg



Power supply

- Operation is independent of the mains supply thanks to high-output rechargeable batteries.
- Input voltage charger: 100 – 240 V, 50 – 60 Hz
- Power consumption charger: < 170 VA



Injection profiles

- 80 profiles can be edited and stored by the user



Filling of injection syringes

- Automatic filling via menu with volume input or manual filling with variable speed
- Filling speed: 1 – 5 ml/s
- Optimized tube systems with check valves

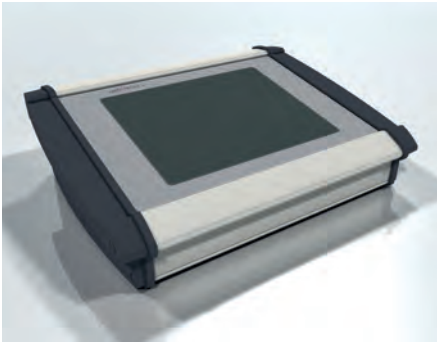
Injection parameters

Maximum injection volume	200 ml
Partial injection volume	1 – 200 ml, programmable in 1 ml increments
Maximum injection pressure	21 bar, programmable from 5 to 21 bar in 1 bar increments
Flow rate	0.1 – 10 ml/s, programmable in increments of 0.1 ml/s Alternatively input of flow rate or phase duration
Number of phases	1 to 6
Injection delay	1 – 255 s
Phase delay	1 – 255 s
Scan delay	1 – 255 s

Subject to technical alterations



Accessories and Options



Touch screen remote control
Article number FB875S



Infusion stand
Article number 490200

Article name	Description	Article number
Accutron CT power supply	Single head injector for computed tomography power supply version	CT871
Remote control	Touch screen remote control, wireless, incl. power supply unit	FB875S
Power supply unit for remote control	Power supply unit MPP30 24 V/30 W for touch screen remote control	400424
Software-Option "prefilled syringe"	Adapter for the option "prefilled syringe" e.g. Optiray	490110
Bottle holder	Bottle holder with cupholder and cup for CT871	504162
Cup	Cup 100 ml	600174
Infusion stand	Infusion stand for Accutron CT with cupholder and cup	490200
Antenna 2.4 GHz	Antenna 2.4 GHz	400020
Hand switch	Hand switch	601062

Accutron CT

The mobile precision partner

The Accutron® CT is a single head / single syringe power injector designed and built using the same technology platform that all Accutron® injectors are based upon. Whether you are budget conscious or newly exploring the potential use of a powered injector in your CT department, Accutron® CT is your starting point.

It is designed for precisely dosed injections of contrast medium for computed tomography. The touch screen offers an overview at all times of the injection currently under way with the specified parameters. By means of the remote control you can control the high-pressure injector from the control room.

Clinical improvements

- It provides real-time pressure monitoring which allows for improved precision and safety.
- The integrated heatable syringe holder keeps contrast media heated to body temperature providing optimal viscosity and decreased patient discomfort.

Operating improvements

- Agile mobility with a configuration that provides flexibility to quickly change examination rooms.
- It functions with select pre-filled syringes to increase throughput via quick use and improved patient turnaround times.

Financial improvements

- Consistent reliability helps to reduce repeat examinations due to contrast mistiming.
- It provides solid performance and price affordability in CT imaging.

CONSUMABLES

Single and double head injectors for computed tomography (21 bar/305 psi)



Article number

ELS 200 ml (Easy Loading Syringe) with filling tube 31 6025-000

Residual volume: 1.5 ml

ELS 200 ml (S) (Easy Loading Syringe) 31 6026-000

Residual volume: 1.5 ml

Packing unit: 50 pieces/carton – 1,500 pieces/pallet



ES 223 tube system with spike 31 7080-100

	ID	Length	Filling volume
Pressure side	2.0 mm	13 cm	0.4 ml
Suction side	2.7 mm	100 cm	6.3 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet

just for
Accutron CT



EK 223 tube system with drip chamber 31 7081-100

	ID	Length	Filling volume
Pressure side	2.0 mm	13 cm	0.4 ml
Suction side	2.7 mm	100 cm	5.8 ml
Drip chamber			10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet

just for
Accutron CT



Tube system with suction line and drip chamber (for Scanbag® CM-supply bag) 31 7083-100

	ID	Length	Filling volume
CM-Side	2.0 mm	10 cm	0.3 ml
NaCl-Side	2.0 mm	40 cm	1.3 ml
Patient line	1.5 mm	1.500 mm	2.7 ml
Suction side with drip chamber	2.7 mm	1.000 mm	15.8 ml

Suitable for prefilled syringes

Packing unit: 50 pieces/carton – 2,800 pieces/pallet

CONSUMABLES

Single and double head injectors for computed tomography (21 bar/305 psi)



MRS 222 MR-tube system 31 7099-100 with 1 inline drip chamber (for Scanbag® CM-supply bag)

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	12 cm	0.6 ml
NaCl-Side	36 cm	1.3 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	5.8 ml
NaCl-Side, white	100 cm	5.8 ml
2 x drip chamber		each one 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet



MRS 222 MR-tube system 31 7100-100

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	12 cm	0.6 ml
NaCl-Side	36 cm	1.3 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	5.8 ml
NaCl-Side, white	100 cm	5.8 ml
2 x drip chamber		each one 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet



Double head-tube system 31 7101-100

Length from Y-Connector: 180 cm
Inner diameter: 2.0 mm
Complete filling volume: 6.9 ml

Packing unit: 50 pieces/carton – 4,000 pieces/pallet



Double head tube system with 31 7109-100 1 inline drip chamber (for Scanbag® CM-supply bag)

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	12 cm	0.4 ml
NaCl-Side	36 cm	1.1 ml
Patient line (ID: 1.5 mm)	150 cm	2.6 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	5.8 ml
NaCl-Side, white	100 cm	5.8 ml
2 x drip chamber		each one 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet

CONSUMABLES

Single and double head injectors for computed tomography (21 bar/305 psi)



MRS 225 MR-tube system

31 7125-100

Inner diameter: 2.0 mm

	Length	Filling volume
CM-Side	6 cm	0.2 ml
NaCl-Side	32 cm	1.0 ml

Packing unit: 50 pieces/carton – 4,000 pieces/pallet



82 CT Kit ELS

31 7616-000

1 piece ELS 200 ml (Easy Loading Syringe) with filling tube 31 6025-000
1 piece Coiled line 150 cm 31 8213-000

Packing unit: 50 pieces/carton – 1,500 pieces/pallet

just for
Accutron CT



CT2/MRT Set ELS

31 7625-000

2 pieces ELS 200 ml (Easy Loading Syringe) with filling tube 31 6025-000
1 piece MRS 222 MR-tube system 31 7100-000
1 piece ES 224/150 patient line 31 8151-000

Packing unit: 20 pieces/carton – 600 pieces/pallet



CT2/MRT Set ELS (S)

31 7627-100

2 pieces ELS 200 ml (S) (Easy Loading Syringe) 31 6026-000
1 piece MRS 222 MR-tube system 31 7100-100
1 piece ES 224/150 patient line 31 8151-100

Packing unit: 20 pieces/carton – 600 pieces/pallet

CONSUMABLES

Single and double head injectors for computed tomography (21 bar/305 psi)

Article number



ES 224/25 patient line with valve

31 8020-100

Length: 25 cm
Innen diameter: 1.5 mm
Filling volume: 0.4 ml

Packing unit: 100 pieces/carton – 8,000 pieces/pallet



One-way-stopcock with
extension line 30cm, luer lock

31 8025-100

Length: 32 cm
Inner diameter: 2.0 mm
Filling volume: 1.2 ml

Packing unit: 200 pieces/carton – 5,000 pieces/pallet



Patient line 150 cm
with terminal check valves

31 8026-100

Length: 150 cm
Inner diameter: 2.0 mm
Filling volume: 4.8 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet



Patient line 150 cm with 2 check valves

31 8036-100

Length: 150 cm + 10 cm
Inner diameter: 2.0 mm
Filling volume: 5.2 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet

CONSUMABLES

Single and double head injectors for computed tomography (21 bar/305 psi)

Article number



DW 229 Connector with 3-way stop cock

31 8042-100

Filling volume: 0.5 ml

Packing unit: 100 pieces/carton – 8,000 pieces/pallet



ES 224 Patient line Inner diameter: 1.5 mm

ES224/80, length: 80 cm, filling volume: 1.4 ml 31 8081-100

ES224/100, length: 100 cm, filling volume: 1.8 ml 31 8101-100

ES224/150, length: 150 cm, filling volume: 2.7 ml 31 8151-100

ES224/200, length: 200 cm, filling volume: 3.6 ml 31 8199-100

ES224/250, length: 250 cm, filling volume: 4.4 ml 31 8250-100

ES224/300, length: 300 cm, filling volume: 5.3 ml 31 8300-100

Packing unit: 200 pieces/carton – 11,200 pieces/pallet



Patient line with valve

Inner diameter: 1.5 mm

Length: 150 cm, filling volume: 2.7 ml 31 8152-100

Length: 200 cm, filling volume: 3.5 ml 31 8198-100

Length: 250 cm, filling volume: 4.4 ml 31 8251-100

Length: 300 cm, filling volume: 5.3 ml 31 8301-100

Packing unit: 200 pieces/carton – 11,200 pieces/pallet



Coiled line 150 cm

31 8213-000

Length: 150 cm

Inner diameter: 1.6 mm

Filling volume: 3.1 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet

CONSUMABLES

Single and double head injectors for computed tomography (21 bar/305 psi)

Article number



Coiled line with check valve

Inner diameter: 1.6 mm

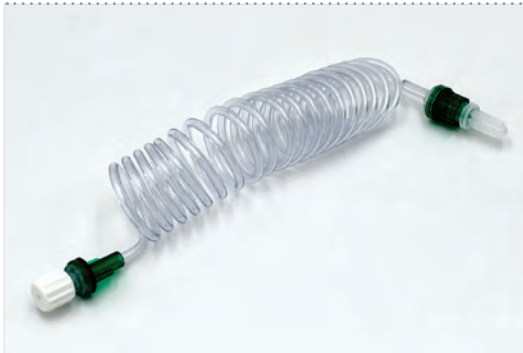
Length: 150 cm, filling volume: 3.1 ml

Length: 180 cm, filling volume: 3.7 ml

31 8214-000

31 8181-000

Packing unit: 50 pieces/carton - 5,850 pieces/pallet



Coiled line 150 cm with 2 check valves

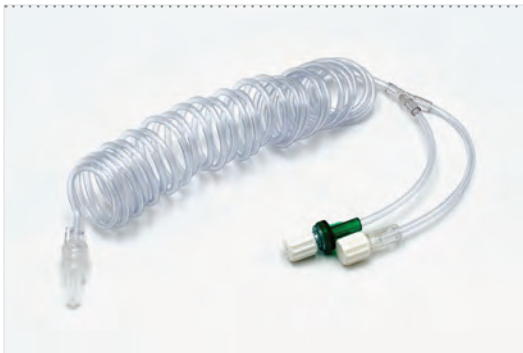
31 8217-000

Inner diameter: 1.5 mm

Length: 150 cm

Filling volume: 2.6 ml

Packing unit: 50 pieces/carton - 5,850 pieces/pallet



Coiled line 235 cm with Y-connector and valve

31 8235-000

Length: 235 cm + 1 x 10 cm + 1 x 12 cm

Inner diameter: 1.6 mm

Total Filling volume: 5.6 ml

Packing unit: 50 pieces/carton - 5,850 pieces/pallet



Coiled line with check valve

Inner diameter: 1.5 mm

Length: 250 cm, filling volume: 4.4 ml

Length: 300 cm, filling volume: 5.3 ml

31 8253-000

31 8303-000

Packing unit: 50 pieces/carton - 5,850 pieces/pallet

CONSUMABLES

Single and double head injectors for computed tomography (21 bar/305 psi)



SD 225 suction tube with 3-way stopcock and spike

Article number

31 9080-100

Filling volume: 0.3 ml (3-way stopcock) + 6.3 ml (suction tube)

Packing unit: 50 pieces/carton – 4,000 pieces/pallet

just for
Accutron CT



DW 226 3-way stopcock

31 9085-100

Filling volume: 0.1 ml

Packing unit: 50 pieces/carton
200 pieces/carton – 11,200 pieces/pallet



SP 227 vented spike, luer lock

31 9095-100

Filling volume: 0.4 ml

Packing unit: 50 pieces/carton
200 pieces/carton – 11,200 pieces/pallet



Minispike, green

31 9099-100

Filling volume: 0.2 ml

Packing unit: 50 pieces/carton
200 pieces/carton – 11,200 pieces/pallet



Article number HP833

Accutron HP-D:

The precise multi-talent for angiography



Easy filling

- Automatic filling or manual filling with variable speed
- Optimized tube systems with check valves

Mindful workflow

- Direct interface with different OEM imaging equipment
- KVO function ensures that access to the vein is maintained during long examinations

Wireless & mobile

- Mains supply independent thanks to high-output rechargeable batteries

Hygienic design

- Tough, stable and light aluminum casing
- Easy to clean and hygienic

Technical data



Mechanical design

- Swivelling injection unit on a mobile column stand
- Secured injection position at an angle of about 15° below horizontal (detected by a built-in inclination sensor), tilt vertically upwards to vent the system
- Hand switch to control the injection
- Total weight: 62 kg



Power supply

- Operation is independent of the mains supply thanks to high-output rechargeable batteries.
- Input voltage charger: 100 - 240 V, 50 - 60 Hz
- Power consumption charger: < 300 VA



Injection profiles

- 60 injection profiles can be edited and stored by the user (for CT and HP)



Filling of injection syringes

- Automatic filling via menu with volume input or manual filling with variable speed
- Filling speed: 1 - 4 ml/s
- Optimized high-pressure tube systems with check valves
- Automatic adaption of capacity
- Keep-vein-open function for maintaining the access to blood vessels
- Rinsing function using NaCl
- Pressure cuff recognition



Injection parameters

Injection parameters

Maximum injection volume	2 x 200 ml
Partial injection volume	1 – 200 ml, programmable in 1 ml increments
Maximum injection pressure	Angio-Mode: 83 bar (1200 psi), programmable from 5 to 83 bar (73 to 1200 psi) in 1 bar increments CT-Mode: 21 bar (305 psi), programmable from 5 to 21 bar (73 to 305 psi) in 1 bar increments
Flow rate of the two injection units	Angio-Mode: 0.1 – 30 ml/s, programmable in 0.1 ml/s increments CT-Mode: 0.1 – 10 ml/s, programmable in 0.1 ml/s increments
Rise time	0.1 – 10 s, programmable in 0.1 ml/s increments
Number of phases	1 to 3
Injection delay	0 – 255 s, programmable in 0.1 ml/s increments
Phase delay	0 – 255 s, programmable in 0.1 ml/s increments
X-ray delay	Angio-Mode: 0 – 255 s, programmable in 0.1 ml/s increments
Scan delay	CT-Mode: 0 – 255 s, programmable in 0.1 ml/s increments, with acoustic signal

Subject to technical alterations

Accessories and Options



Accutron HP-D roller version
Article number HP833



Touch screen remote control
Article number FB834



Double bottle holder
Article number 601001



Hand switch
Article number 600679

Article name	Description	Article number
Interface Canon	Interface Accutron HP-D for Canon Scanner	IF859-C
Interface GE	Interface Accutron HP-D for GE Scanner	IF859-G
Interface Philips	Interface Accutron HP-D for Philips Scanner	IF859-P
Interface Shimadzu	Interface Accutron HP-D for Shimadzu Scanner	IF-859-S
Interface Siemens	Interface Accutron HP-D for Siemens Scanner	IF859
Interface Siemens Cios Alpha	Interface Accutron HP-D for Siemens Cios Alpha Scanner	IF859-SC
Interface SW	Interface Accutron HP-D zum Wechseln zwischen verschiedenen Scannern	IF859-SW
Interface Ziehm	Interface Accutron HP-D für Ziehm Scanner	IF859-Z
DVI interface	DVI interface for Siemens and Philips angiography devices to show the injector's screen display on the monitor of the angio device	490150
Power supply unit	additional power supply unit for Accutron HP-D	NT1001
Remote control	Touch screen remote control 10.4", wireless, incl. power supply unit	FB834
Power supply unit for remote control	Power supply unit MPP30 24 V/30 W for touch screen remote control	400424
Double charger	Double charger HP-D	LG1002
Hand switch	Hand switch HP-D	600679
Pressure jacket	Pressure jacket HP ELS 200	640130B
Double bottle holder	Double bottle holder for Accutron HP-D	601001
Bottle holder	Bottle holder with cup holder and cup	600351
Cup	Cup 100 ml	600174
Antenna 2.4 GHz	Antenna 2.4 GHz	400020

Accutron HP-D

The precise multi-talent for angiography

The Accutron HP-D is designed for precisely dosed injections of contrast medium (CM) and saline solution (NaCl). You can flexibly change between computed tomography mode (CT) and angiography mode (Angio). The Accutron HP-D has an injection unit with two drive units which can be controlled independently of each other and so the contrast medium can be positioned variably and accurately in the examination area with NaCl, depending on the application.

Clinical improvements

- It reduces beam hardening artifacts through flexible adjustment of contrast concentration using saline.
- The cleanly defined & reproducible contrast media bolus' can be achieved by pushing contrast media with a saline bolus.

Operating improvements

- Wireless and mobile configuration provides flexibility to quickly change examination rooms and eliminates barriers; such as nearby power requirements and/or cable installation.
- The integration with the scanner interface reduces workload for the operator and improves patient turnaround times.

Financial improvements

- It may reduce the amount of contrast required per patient; resulting in less operating expenses.
- It can be utilized in both Angiography and Computer tomography modes; eliminating the need to purchase an additional injector for CT.



Article number HP836

Accutron HP:

The mobile all-rounder



Easy filling

- Automatic filling or manual filling with variable speed
- Optimized tube systems with check valves

Mindful workflow

- Direct interface with different OEM imaging equipment
- Up to 120 total injection profiles (60 in Angio mode/60 in CT mode) individually created for your examinations and easily accessible

Wireless & mobile

- Mains supply independent thanks to high-output rechargeable batteries

Hygienic design

- Tough, stable and light aluminum casing
- Easy to clean and hygienic

Technical data



Mechanical design

- Swivelling injection unit on a mobile column stand
- Secured injection position at an angle of about 15° below horizontal (detected by a built-in inclination sensor), tilt vertically upwards to vent the system
- Hand switch to control the injection
- Total weight: 41 kg



Power supply

- Operation is independent of the mains supply thanks to high-output rechargeable batteries.
- Input voltage charger: 100 – 240 V, 50 – 60 Hz
- Power consumption charger: < 300 VA
- Emergency power supply



Injection profiles

- 60 injection profiles can be edited and stored by the user (CT and HP).



Filling of injection syringes

- Automatic filling via menu with volume input or manual filling with variable speed
- Filling speed: 1 – 4 ml/s
- Optimized high-pressure tube systems with check valves

Injection parameters

Maximum injection volume	200 ml
Partial injection volume	1 – 200 ml, programmable in 0.1 ml increment
Maximum injection pressure	Angio-Mode: 83 bar (1200 psi), programmable from 5 to 83 (73 to 1200 psi) bar in 1 bar increments CT-Mode: 21 bar (305 psi), programmable from 5 to 21 bar (73 to 305 psi) in 1 bar increments
Flow rate of the two injection units	Angio-Mode: 0.1 – 30 ml/s, programmable in 0.1 ml/s increments CT-Mode: 0.1 – 10 ml/s, programmable in 0.1 ml/s increments Alternatively, input of flow rate or phase duration
Number of phases	1 to 3
Injection delay	0 – 255 s
Phase delay	0 – 255 s
X-ray delay/Scan delay	Angio-Mode: 0 – 99 s, CT-Mode: 0 – 99 s

Subject to technical alterations



Accessories and Options



Accutron HP ceiling mount
Article number HP837



Accutron HP table mount
Article number HP890



Infusion stand
Article number 490201



Touch screen remote control
Article number FB838



Hand switch for HP
Article number 601068

Article name	Description	Article number
Accutron HP table mount	Table version of Accutron HP	HP890
Accutron HP ceiling mount	Ceiling version of Accutron HP	HP837
Ceiling suspension	Ceiling suspension Accutron HP	530166
Power supply unit	additional power supply unit for Accutron HP	NT1000
Power supply unit for ceiling mount version	power supply unit for Accutron HP ceiling mount version	610007
Interface Canon	Interface for Canon Scanner	IF839-C
Interface GE	Interface for GE Scanner	IF839-G
Interface Philips	Interface for Philips Scanner	IF839-P
Interface Shimadzu	Interface for Shimadzu Brantist Safire VC17 Scanner	IF-839-S
Interface Siemens	Interface for Siemens Scanner	IF839
Interface Siemens Cios Alpha	Interface for Siemens Cios Alpha Scanner	IF839-SC
Interface Ziehm	Interface for Ziehm Vision	IF839-Z
Remote control	Touch screen remote control, wireless	FB838
Power supply unit for remote control	Power supply unit MPP30 24V / 30 W for touch screen remote control	400424
Charger	Charger Accutron HP	LG1002
Hand switch	Hand switch for Accutron HP	601068
Pressure jacket	Pressure jacket HP ELS 200, integrated into adapter ring	640130B
Bottle holder	Bottle holder with cupholder and cup	600351
Cup	Cup 100 ml	600174
Infusion stand	Infusion stand for Accutron HP836 with cupholder and cup	490200
Infusion stand	Infusion stand for Accutron HP837 with cupholder and cup	490200

Accutron HP

The mobile all-rounder

The Accutron HP is designed for precisely dosed injections of contrast medium (CM). You can flexibly change between angiography mode and computed tomography modes (CT mode). The injector runs independently of the mains network as it can be operated wirelessly with battery cells.

Clinical improvements

- It enables interdisciplinary clinical imaging examinations, in both Angiography and Computed Tomography.
- It reduces risk of infections by being easy to clean and hygienic.

Operating improvements

- Wireless and mobile configuration provides flexibility to quickly change examination rooms and eliminates barriers; such as nearby power requirements and/or cable installation.
- The integration with the scanner interface reduces workload for the operator and improves patient turnaround times.

Financial improvements

- It reduces the amount of capital expenditures because of dual usability in Angiography and CT.
- The integration with the scanner interface can support increased throughput via workflow efficiencies; leading to potentially increased revenue.

CONSUMABLES

Single and double head high-pressure injectors (83 bar/1,200 psi)

Article number



ELSD 200 ml (Easy Loading Syringe) with filling tube 31 6025-000

Residual volume: 1.5 ml | At 83 bar only usable with pressure sleeve!

ELSD 200 ml (S) (Easy Loading Syringe) 31 6026-000

Residual volume: 1.5 ml | At 83 bar only usable with pressure sleeve!

Packing unit: 50 pieces/carton – 1,500 pieces/pallet



HSD 525 suction tube 31 5080-000

Length: 100 cm
Inner diameter: 2.7 mm
Filling volume: 0.3 ml 3-way stop cock,
6.0 ml tube + spike

Packing unit: 25 pieces/carton

just for
Accutron HP

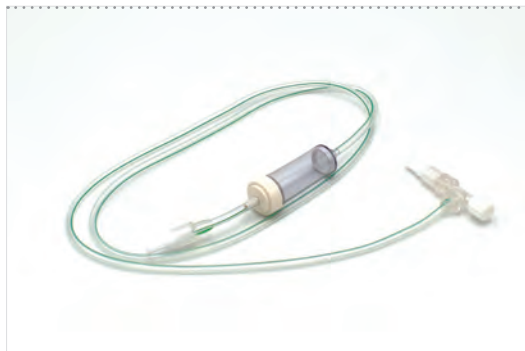


HSD 527 suction tube with valve 31 5082-000

Length: 100 cm
Inner diameter: 2.7 mm
Filling volume: 0.2 ml valve,
16 ml tube with drip chamber

Packing unit: 50 pieces/carton

just for
Accutron HP



HSD 527 suction tube with valve and inline drip chamber 31 5083-000
(for Scanbag® CM-supply bag)

Length: 100 cm
Inner diameter: 2.7 mm
Filling volume: 0.2 ml valve, 16 ml patient line with drip chamber

Packing unit: 50 pieces/carton

just for
Accutron HP



HDW 526 high-pressure 3-way stop cock 31 5085-100

Filling volume: 0.3 ml

Packing unit: 50 pieces/carton
200 pieces/carton

CONSUMABLES

Single and double head high-pressure injectors (83 bar/1,200 psi)

Article number



HS 224 RA patient line

Inner diameter: 1.8 mm, Rotating Adapter, **Braided PU tube**

Length: 100 cm, filling volume: 2.5 ml

31 5100-000

Length: 120 cm, filling volume: 3.1 ml

31 5126-000

Packing unit: 50 pieces/carton



HS 224 RA patient line

Inner diameter: 1.8 mm, Rotating Adapter, **Braided PU tube**

Length: 150 cm, filling volume: 3.9 ml

31 5136-000

Length: 180 cm, filling volume: 4.6 ml

31 5135-000

Packing unit: 25 pieces/carton



HS 224/180 RA patient line with valve

31 5124-000

Inner diameter: 1.8 mm, Rotating Adapter
Braided PU tube with check valve

Length: 180 cm

Filling volume: 4.6 ml

Packing unit: 50 pieces/carton



HS 224 patient line

Inner diameter: 1.8 mm
Braided PU tube

Length: 120 cm, filling volume: 3.1 ml

31 5125-000

Packing unit: 50 pieces/carton

Length: 180 cm, filling volume: 4.6 ml

31 5134-000

Packing unit: 25 pieces/carton



HP patient line

Inner diameter: 1.5 mm, **PCV-tube**

Length: 120 cm, Filling volume: 3.8 ml

31 5129-000

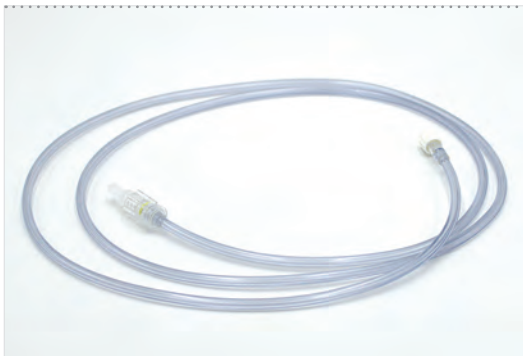
Length: 180 cm, Filling volume: 5.7 ml

31 5132-000

Packing unit: 50 pieces/carton

Single and double head high-pressure injectors (83 bar/1,200 psi)

Article number



HP RA patient line PVC-flex

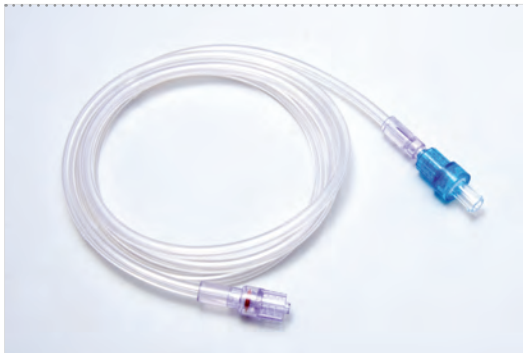
Inner diameter: 1.5 mm
Rotating Adapter

Length: 120 cm, Filling volume: 2.18 ml
Packing unit: 50 pieces/carton

31 5130-000

Length: 150 cm, Filling volume: 2.24 ml
Packing unit: 25 pieces/carton

31 5138-000



HP RA patient line with check valve, PVC-flex

Inner diameter: 1.5 mm
Rotating Adapter/PVC-flex tube, with check valve

Length: 120 cm, filling volume: 2.2 ml

31 5137-000

Length: 150 cm, filling volume: 2.7 ml

31 5121-000

Packing unit: 50 pieces/carton



HP 110 RA patient line with check valve, PVC-flex

31 5140-000

Total length: 110 cm
Inner diameter: 1.5 mm
Filling volume: 2.0 ml

Packing unit: 25 pieces/carton

straight packed



Accutron HP-D tube system

31 7183-000

Pressure side	Length	Filling volume
CM-Side	16 cm	0.7 ml
NaCl-Side	16 cm	0.7 ml

Suction Side	Length	Filling volume
CM-Side, green	100 cm	16 ml incl. drip chamber
NaCl-Side, white	100 cm	16 ml incl. drip chamber
2 x drip chamber		each one 10 ml

Packing unit: 25 pieces/carton

just for
Accutron HP-D



ScanBag® HP-D tube system

31 7184-000

(for Scanbag® CM-supply bag)

Pressure side	Length	Filling volume
CM-Side	16 cm	0.7 ml
NaCl-Side	16 cm	0.7 ml

Suction side	Length	Filling volume
CM-Side, green	100 cm	16 ml incl. drip chamber
NaCl-Side, white	100 cm	16 ml incl. drip chamber
2 x drip chamber		each one 10 ml

Packing unit: 25 pieces/carton

just for
Accutron HP-D

CONSUMABLES

Single and double head high-pressure injectors (83 bar/1,200 psi)



Accutron HP-D - Y-Pressure line
with 2 check valves

Article number

31 7187-000

Pressure side	Length	Filling volume
CM-Side	18 cm	0.46 ml
NaCl-Side	18 cm	0.46 ml
Shared line	200 cm	3.5 ml

Packing unit: 25 pieces/carton

just for
Accutron HP-D



Accutron HP-D - Y-connector 83 bar
with 2 CV and RA - long branches

31 7188-000

Pressure side	Length	Filling volume
CM-Side	195 cm	4.85 ml
NaCl-Side	195 cm	4.85 ml
Shared line	15 cm	0.26 ml

Packing unit: 25 pieces/carton

just for
Accutron HP-D



SP 227 vented spike, luer lock

31 9095-100

Filling volume: 0.4 ml

Packing unit: 50 pieces/carton
200 pieces/carton - 11,200 pieces/pallet



Minispike, green

31 9099-100

Filling volume: 0.2 ml

Packing unit: 50 pieces/carton
200 pieces/carton - 11,200 pieces/pallet

Single and double head high-pressure injectors - material characteristics

Art. no.	Article name	Pressure line	Suction line	drip chamber
31 5100-000	HS 224/100 RA Patient line	TPU braided	X	X
31 5121-000	HP 150 RA Patient line with valve, PVC-flex	PVC tube	X	X
31 5124-000	HS 224/180 RA Patient line with valve	TPU braided	X	X
31 5125-000	HS 224/120 Patient line	TPU braided	X	X
31 5126-000	HS 224/120 RA Patient line	TPU braided	X	X
31 5132-000	HP 180 Patient line	PVC tube	X	X
31 5134-000	HS 224/180 Patient line	TPU braided	X	X
31 5135-000	HS 224/180 RA Patient line	TPU braided	X	X
31 5136-000	HS 224/150 RA Patient line	TPU braided	X	X
31 5137-000	HP 120 RA Patient line with valve, PVC-flex	PVC tube	X	X
31 5138-000	HP 150 RA Patient line, PVC-flex	PVC tube	X	X
31 5139-000	HP 110 RA Patient line, PVC-flex	PVC tube	X	X
31 5140-000	HP 110 RA Patient line with check valve, PVC-flex	PVC tube	X	X

Art. no.	Article name	Pressure line	Suction line	drip chamber
31 5080-000	HSD 525 suction tube	X	PVC tube, plasticizer TOTM	X
31 5082-000	HSD 527 suction tube with valve	X	PVC tube, plasticizer TOTM	NONDOP
31 7183-000	Accutron HP-D tube system	TPU braided	PVC tube, plasticizer TOTM	NONDOP
31 7184-000	ScanBag® HP-D tube system	TPU braided	PVC tube, plasticizer TOTM	NONDOP
31 7187-000	Accutron HP-D Y-connector	TPU braided PVC tube, plasticizer TOTM	X	X
31 7188-100	Accutron HP-D Y-connector long supply	TPU braided PVC tube, plasticizer TOTM	X	X

Multiple use

8h-tube system for CT and MRI

Efficient 8h-use



Economically efficient by time and cost saving!
Environmentally compatible!

Variabel & flexible



8h-syringe, 8h-tube system and patient line build a system!
Individual system solution!

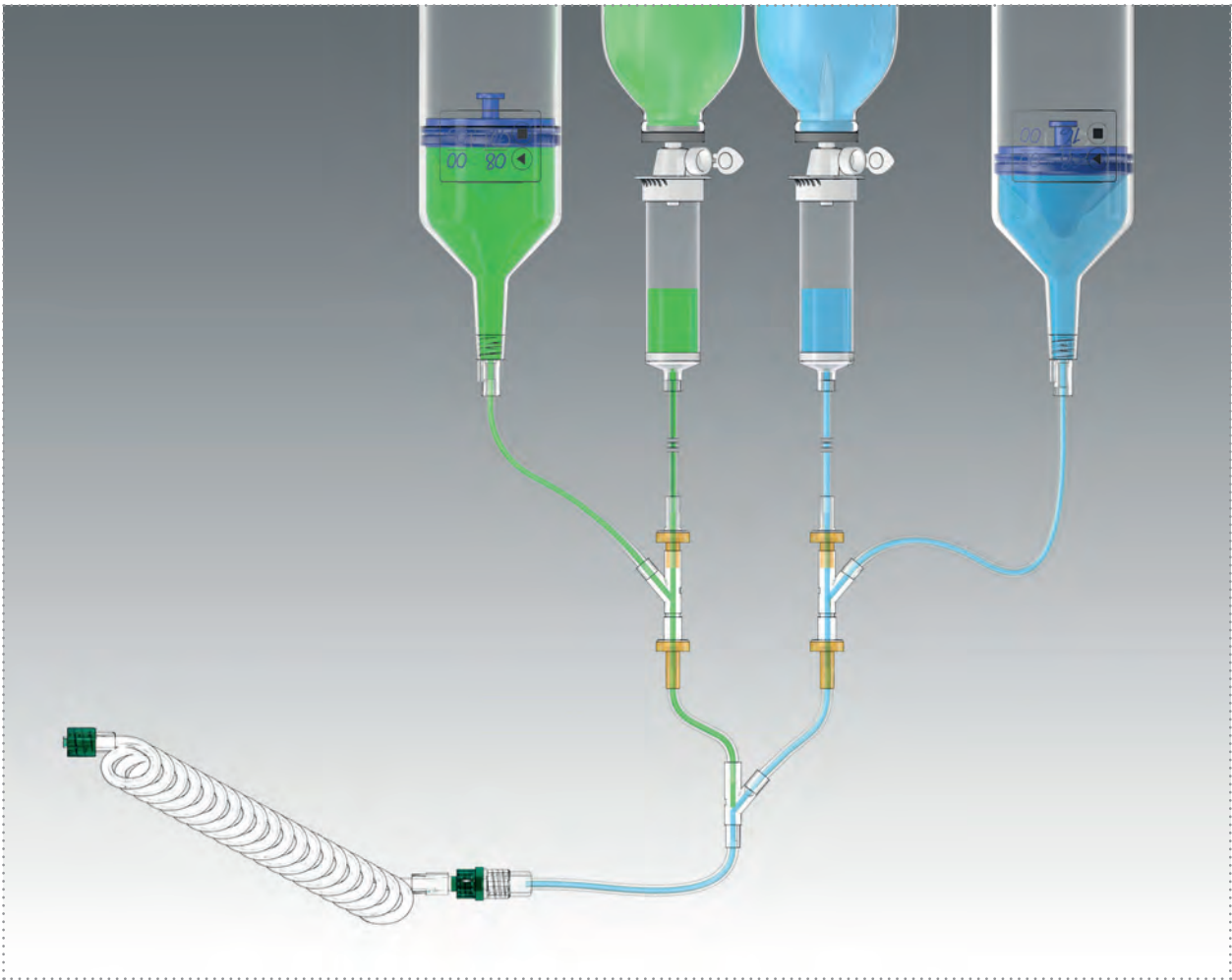
Save handling



Overview and control by special stickers!
Compact and well-structured design!

MULTIPLE USE UP TO 8h

Tips for use



Application example (see above)

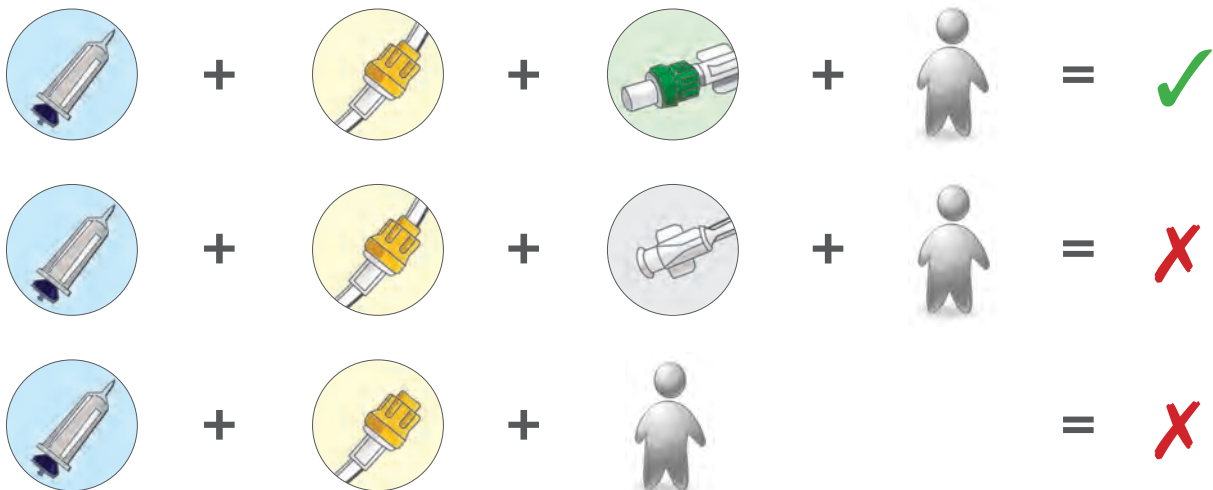
Syringe:
ELS 200 ml syringe MU
Article number 31 4626-100

+

Tube system:
MRS 222 MR tube system
Article number 31 4100-100

+

Patient line:
Coiled line 150 cm with 2 check valves
Article number 31 8217-000



MULTIPLE USE UP TO 8h

Single and double head injectors for CT and MRI (21 bar/305 psi)



With regards to our drip chambers with a spike:

The drip chambers are equipped with microbiological ventilation and a soil filter for particle-free filling.

With regards to our inline drip chambers:

The drip chambers are equipped with a soil filter for particle-free filling.

Our valve technology is secure for up to 8 hours in terms of microbiological and viral hazards.

It is also self-closing: The opening pressure is 250 mbar.

8h-Syringe



ELS 200 ml Syringe MU

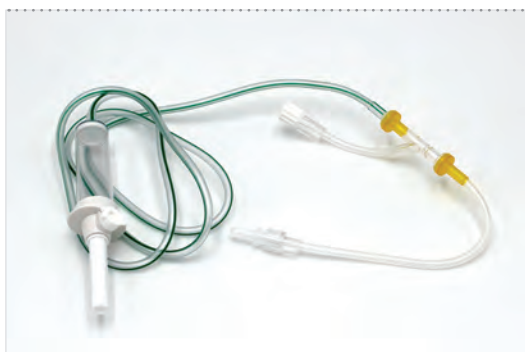
Article number

31 4626-100

Filling volume: 200 ml
Residual volume: 1.5 ml

Packing unit: 50 pieces/carton incl. sticker to mark the start- and endtime of the 8 hours – 1,500 pieces/pallet

8h-Tube system



EK 223 tube system with drip chamber **31 4081-100**

Article number

	ID	Length	Filling volume
Pressure side	2 mm	14 cm	0.4 ml
Suction side	2.7 mm	100 cm	15.8 ml incl. drip chamber

Packing unit: 50 pieces/carton – 2,800 pieces/pallet

MULTIPLE USE UP TO 8h

Single and double head injectors for CT and MRI (21 bar/305 psi)

Article number



MRS 222 XS MR-tube system with 1 inline drip chamber (for Scanbag® CM-supply bag) 31 4099-100

Pressure side, ID 2 mm	Length	Filling volume
CM-Side	26 cm	0.7 ml
NaCl-Side	46 cm	1.7 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	15.8 ml incl. drip chamber
NaCl-Side, white	100 cm	15.8 ml incl. drip chamber
2 x drip chamber		each 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet



MRS 222 MR-tube system 31 4100-100

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	26 cm	0.7 ml
NaCl-Side	46 cm	1.7 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	15.8 ml incl. drip chamber
NaCl-Side, white	100 cm	15.8 ml incl. drip chamber
2 x drip chamber		each 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet



Double head-tube system with 1 inline drip chamber and valve (for Scanbag® CM-supply bag) 31 4108-100

Pressure side, ID 2.0 / 1.5 mm	Length	Filling volume
CM-Side	146 cm	4.1 ml
NaCl-Side	186 cm	4.8 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	15.8 ml incl. drip chamber
NaCl-Side, white	100 cm	15.8 ml incl. drip chamber
2 x drip chamber		each 10 ml

Packing unit: 50 pieces/carton – 2,800 pieces/pallet



MRS 222 XS tube system with exchangeable spikes and additional valve 31 4119-100

Pressure side, ID 2.0 mm	Length	Filling volume
CM-Side	176 cm	5.7 ml
NaCl-Side	176 cm	5.7 ml
Suction side, ID 2.7 mm	Length	Filling volume
CM-Side, green	100 cm	15.8 ml incl. drip chamber
NaCl-Side, white	100 cm	15.8 ml incl. drip chamber
2 x drip chamber		each 10 ml





Packing unit: 50 pieces/carton – 2,800 pieces/pallet

67

MULTIPLE USE UP TO 8h

Single and double head injectors for CT and MRI (21 bar/305 psi)

Patient lines to use with 8h-Tube systems

	Article number
	ES 224/25 patient line with valve 31 8020-100 Length: 25 cm Inner diameter: 1.5 mm Filling volume: 0.4 ml Packing unit: 100 pieces/carton - 8,000 pieces/pallet
	Patient line 150 cm with terminal check valves 31 8026-100 Length: 150 cm Inner diameter: 2.0 mm Filling volume: 4.8 ml Packing unit: 50 pieces/carton - 5,850 pieces/pallet
	Patient line 150 cm with two check valves 31 8036-100 Length: 150 cm + 10 cm Inner diameter: 2.0 mm Filling volume: 5.2 ml Packing unit: 50 pieces/carton - 5,850 pieces/pallet
	Patient line with valve Inner diameter: 1.5 mm Length: 150 cm, filling volume: 2.6 ml 31 8152-100 Length: 200 cm, filling volume: 3.5 ml 31 8198-100 Length: 250 cm, filling volume: 4.4 ml 31 8251-100 Length: 300 cm, filling volume: 5.3 ml 31 8301-100 Packing unit: 200 pieces/carton - 11,200 pieces/pallet

MULTIPLE USE UP TO 8h

Single and double head injectors for CT and MRI (21 bar/305 psi)

Article number



Coiled line with valve

Inner diameter: 1.6 mm

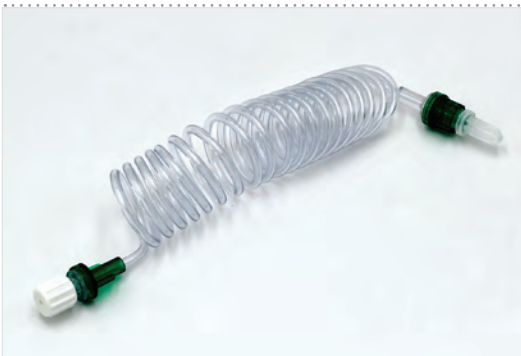
Length: 150 cm, filling volume: 3.1 ml

31 8214-000

Length: 180 cm, filling volume: 3.7 ml

31 8181-000

Packing unit: 50 pieces/carton – 5,850 pieces/pallet



Coiled line 150 cm with 2 check valves 31 8217-000

Inner diameter: 1.5 mm

Length: 150 cm

Filling volume: 2.6 ml

Packing unit: 50 pieces/carton – 5,850 pieces/pallet



Vented spike MU 31 4095-100

Filling volume: 0.4 ml

Packing unit: 200 pieces/carton – 11,200 pieces/pallet

MULTIPLE USE UP TO 8h

Single and double head injectors for CT and MRI (21 bar/305 psi)



injectors



syringes



tube systems



tubes



accessories

Kompatibilitätserklärung Declaration of Compatibility

Hiermit erklären wir, dass die folgenden von der MEDTRON AG als Hersteller im Sinne der Richtlinie 93/42 EWG hergestellten und vertriebenen
The undersigned manufacturer hereby declare that the following products produced and distributed by MEDTRON AG as a manufacturer within the meaning of Directive 93/42 EEC

8h-Spritze zur kurzzeitigen Anwendung \leq 8 Stunden (8h)
REF 314626-100 „ELS 200ml Spritze MU“
8h-Syringe for short-term use \leq 8 hours (8h)
REF 314626-100 „ELS 200ml Syringe MU“

in Verbindung mit den **8h-Schlauchsysteme zur kurzzeitigen Anwendung \leq 8 Stunden (8h) mit gelben Ventilen**
in conjunction with the 8h-tubesystems for short-term use \leq 8 hours (8h) with yellow valves

REF 314081-000, REF 314081-100, REF 314084-000, REF 314099-100,
REF 314100-000, REF 314100-100, REF 314108-100, REF 314109-000,
REF 314119-100

und den **Patientenleitungen zur einmaligen Benutzung (Einmalprodukt) mit grünen Ventilen**
and the patient lines for single use (single-use device) with green valves

REF 318020, REF 318020-000, REF 318020-100, REF 318026, REF 318026-000,
REF 318026-100, REF 318036, REF 318036-000, REF 318036-100, REF 318152,
REF 318152-000, REF 318152-100, REF 318181, REF 318181-000, REF 318181-100,
REF 318198, REF 318198-000, REF 318198-100, REF 318214, REF 318214-000,
REF 318214-100, REF 318217-000, REF 318217-100, REF 318251-100,
REF 318301-100

für einen maximalen Zeitraum von bis zu 8 Stunden bei uneingeschränkter Anwendungshäufigkeit für die Diagnoseuntersuchung von mehreren Patienten validiert ist.
is validated for a maximum period of up to 8 hours at full application frequency for the diagnosis study of several patients.


Die hygienische Unbedenklichkeit von der Spritze, Schlauchleitungen und Ventile wurde im Rahmen von mikrobiologischen Studien für die kurzzeitige Anwendung von \leq 8 Stunden in einem unabhängigen akkreditierten Labor untersucht.
The hygienic safety from the syringe, tubesystem and valves was investigated as part of microbiological studies for short-term use of \leq 8 hours in an independent accredited laboratory.

Diese Erklärung wird verantwortlich für den Hersteller abgegeben.
This declaration is delivered under the responsibility of the manufacturer.

MEDTRON AG

Hauptstraße 255 66128 Saarbrücken Germany

Saarbrücken, 30.10.2018


Tobias Knecht
Non-Active Medical Devices Management

Kennnummer der CE-Kennzeichnung / CE identification number: 0482
MEDCERT GmbH, Pilatuspool 2, 20355 Hamburg, Germany

FB 07.19.61
Revision 00

CONSUMABLES

Overview



Art. no. 31 5080-000
HSD 525 Suction tube
● ● ●



Art. no. 31 5125-000
HS 224/120 patient line
● ● ●



Art. no. 31 5082-000
HSD 527 suction tube with valve
● ● ●



Art. no. 31 5126-000
HS 224/120 RA patient line
● ● ●



Art. no. 31 5083-000
HSD 527 suction tube with valve and inline drip chamber
● ● ●



Art. no. 31 5129-000
HP 120 patient line
● ● ●



Art. no. 31 5085-100
HDW 526 high pressure 3-way stopcock
● ● ●



Art. no. 31 5130-000
HP RA patient line PVC-flex
● ● ●



Art. no. 31 5100-000
HS 224/100 RA patient line
● ● ●



Art. no. 31 5132-000
HP 180 patient line
● ● ●



Art. no. 31 5121-000
HP 150 RA patient line with check valve, PVC-flex
● ● ●



Art. no. 31 5134-000
HS 224/180 patient line
● ● ●



Art. no. 31 5124-000
HS 224/180 RA patient line with valve
● ● ●



Art. no. 31 5135-000
HS 224/180 RA patient line
● ● ●

● Double head injectors for Magnetic resonance imaging (21 bar/305 psi)
● High-pressure injectors for Angiography (83 bar/1.200 psi)

● Injectors for Computed tomography (21 bar/305 psi)

CONSUMABLES

Overview



Art. no. 31 5136-000
HS 224/150 RA patient line

● ● ●



Art.-Nr. 31 7080-100
ES 223 tube system with spike

● ● ●



Art. no. 31 5137-000
HP 120 RA patient line with
check valve, PVC-flex

● ● ●



Art.-Nr. 31 7081-100
EK 223 tube system with
drip chamber

● ● ●



Art.-Nr. 31 5138-000
HP 150 RA patient line PVC-flex

● ● ●



Art.-Nr. 31 7083-100
Tube system with suction line
and drip chamber

● ● ●



Art.-Nr. 31 5140-000
HP 110 RA patient line with
check valve, PVC

● ● ●



Art.-Nr. 31 7099-100
MRS 222 MR-tube system with
1 inline drip chamber

● ● ●



Art.-Nr. 31 6025-000
ELS 200 ml (Easy Loading Syringe)
with filling tube

● ● ●



Art.-Nr. 31 7100-100
MRS 222 MR-tube system

● ● ●



Art.-Nr. 31 6026-000
ELS 200 ml (S) (Easy Loading Syringe)

● ● ●



Art.-Nr. 31 7101-100
Double head-tube system

● ● ●



Art.-Nr. 31 6065-000
ELS 65 ml (Easy Loading Syringe)

● ● ●



Art.-Nr. 31 7104-000
MR-ELS tube system with 2 valves,
green

● ● ●

● Double head injectors for Magnetic resonance imaging (21 bar/305 psi)
● High-pressure injectors for Angiography (83 bar/1.200 psi)

● Injectors for Computed tomography (21 bar/305 psi)

CONSUMABLES

Overview



Art.-Nr. 31 7109-100
Double head-tube system with
1 inline drip chamber
● ● ●



Art.-Nr. 31 7603-100
MR-Set ELS 65/200 ml
● ● ●



Art.-Nr. 31 7125-100
MRS 225 MR-tube system
● ● ●



Art.-Nr. 31 7604-100
MR-Kit ELS 65 ml
● ● ●



Art.-Nr. 31 7183-000
Accutron HP-D tube system
● ● ●



Art.-Nr. 31 7616-000
82 CT-Kit ELS
● ● ●



Art.-Nr. 31 7184-000
Scanbag® HP-D tube system
● ● ●



Art.-Nr. 31 7625-000
CT2/MRT Set ELS
● ● ●



Art.-Nr. 31 7187-000
Accutron HP-D - Y-pressure line with
2 check valves
● ● ●



Art.-Nr. 31 7627-100
CT2/MRT Set ELS (S)
● ● ●



Art.-Nr. 31 7188-100
Accutron HP-D - Y-connector 83 bar
with 2 CV and RA - long branches
● ● ●



Art.-Nr. 31 8020-100
ES 224/25 patient line
with valve
● ● ●



Art.-Nr. 31 7602-100
MR-Set ELS 65ml
● ● ●



Art.-Nr. 31 8025-100
One-way-stopcock with extension
line 30 cm, luer lock
● ● ●

● Double head injectors for Magnetic resonance imaging (21 bar/305 psi)
● High-pressure injectors for Angiography (83 bar/1.200 psi)

● Injectors for Computed tomography (21 bar/305 psi)

CONSUMABLES

Overview



Art.-Nr. 31 8026-100
Patient line 150 cm with
terminal check valves

● ● ●



Art.-Nr. 31 8181-000
Coiled line 180 cm with
check valve

● ● ●



Art.-Nr. 31 8036-100
Patient line 150 cm with
2 check valves

● ● ●



Art.-Nr. 31 8198-100
Patient line 200 cm
with valve

● ● ●



Art.-Nr. 31 8042-100
DW 229 Connector with
3-way stop cock

● ● ●



Art.-Nr. 31 8199-100
ES 224/200 patient line

● ● ●



Art.-Nr. 31 8081-100
ES 224/80 patient line

● ● ●



Art.-Nr. 31 8213-000
Coiled line 150 cm

● ● ●



Art.-Nr. 31 8101-100
ES 224/100 patient line

● ● ●



Art.-Nr. 31 8214-000
Coiled line 150 cm with
check valve

● ● ●



Art.-Nr. 31 8151-100
ES 224/150 patient line

● ● ●



Art.-Nr. 31 8217-000
Coiled line 150cm with
2 check valves

● ● ●



Art.-Nr. 31 8152-100
Patient line 150 cm with
check valve

● ● ●



Art.-Nr. 31 8235-000
Coiled line 235cm with Y-connector
with check valve

● ● ●

● Double head injectors for Magnetic resonance imaging (21 bar/305 psi)
● High-pressure injectors for Angiography (83 bar/1.200 psi)

● Injectors for Computed tomography (21 bar/305 psi)

CONSUMABLES

Overview



Art.-Nr. 31 8250-100
ES 224/250 patient line

● ● ●



Art.-Nr. 31 9085-100
DW 226 3-way stopcock

● ● ●



Art.-Nr. 31 8251-100
Patient line 250 cm with valve

● ● ●



Art.-Nr. 31 9095-100
SP 227 vented spike, luer lock

● ● ●



Art.-Nr. 31 8253-000
Coiled line 250cm with check valve

● ● ●



Art.-Nr. 31 9099-100
Minispike, green

● ● ●



Art.-Nr. 31 8300-100
ES 224/300 patient line

● ● ●



Art.-Nr. 31 8301-100
Patient line 300cm with valve

● ● ●



Art.-Nr. 31 8303-000
Coiled line 300cm with check valve

● ● ●



Art.-Nr. 31 9080-100
SD 225 suction tube with
3-way stop cock and spike

● ● ●

● Double head injectors for Magnetic resonance imaging (21 bar/305 psi)
● High-pressure injectors for Angiography (83 bar/1.200 psi)

● Injectors for Computed tomography (21 bar/305 psi)

CONSUMABLES MULTIPLE USE UP TO 8h

Overview

8h-Syringe



Art.-Nr. 31 4626-100

ELS 200 ml syringe MU



8h-Tube system



Art.-Nr. 31 4081-100

EK 223 tube system with drip chamber



Art.-Nr. 31 4100-100

MRS 222 MR-tube system



Art.-Nr. 31 4095-100

Spike with ventilation MU



Art.-Nr. 31 4108-100

Double head tube system with 1 inline drip chamber and valve



Art.-Nr. 31 4099-100

MRS 222 MR-tube system with 1 inline drip chamber



Art.-Nr. 31 4119-100

MRS 222 XS tube system with exchangeable spikes and additional valve



Patient lines to use with 8h-Tube systems



Art.-Nr. 31 8020-100

ES 224/25 patient line with check valve



Art.-Nr. 31 8036-100

Patient line 150 cm with 2 check valves



Art.-Nr. 31 8026-100

Patient line 150 cm with terminal check valves



Art.-Nr. 31 8152-100

Patient line 150 cm with check valve



CONSUMABLES MULTIPLE USE UP TO 8h

Overview



Art.-Nr. 31 8181-000
Coiled line 180 cm
with valve



Art.-Nr. 31 8217-000
Coiled line 150 cm
with 2 check valves



Art.-Nr. 31 8198-000
Patient line 200 cm
with valve



Art.-Nr. 31 8251-100
Patient line 250 cm
with valve



Art.-Nr. 31 8214-000
Coiled line 150 cm
with valve



Art.-Nr. 31 8301-100
Patient line 300 cm
with valve



SERVICE

As is generally known, a reliable service increases customer satisfaction.

And since satisfied customers are more than important, MEDTRON makes every effort to provide its customers with a 100% operative injector. In order to ensure this, MEDTRON works with local service partners that provide quick and competent maintenance service.

Customers can find their local service partner on MEDTRON's website.

MEDTRON injectors are extremely reliable and long-lived. If nevertheless any technical problems arise, the friendly service teams of MEDTRON's service partners will provide quick and competent assistance.

RELIABLE – FAST – EFFICIENT



MEDTRON AG

Hauptstr. 255
66128 Saarbruecken
Germany
Phone: +49 (0)681-97017-0
Fax: +49 (0)681-97017-20
Mail: info@medtron.com
Web: www.medtron.com

Team DACH:

Germany, Austria, Switzerland
Phone: +49 (0)681-97017-72
Fax: +49 (0)681-97017-60
Mail: sales.dach@medtron.com

Team International 1:

W/S-EMEA, LATAM, Africa, APAC
Phone: +49 (0)681-97017-26
Fax: +49 (0)681-97017-20
Mail: sales.int1@medtron.com

Team International 2:

E-Europe, CIS
Phone: +49 (0)681-97017-63
Fax: +49 (0)681-97017-20
Mail: sales.int2@medtron.com

Service:

Phone: +49 (0)681-97017-50/-83
Fax: +49 (0)681-97017-85
Mail: service@medtron.com

NOTES





NOTES

