

MED TRON[®] AG



PRODUCT
CATALOGUE
COMPUTED TOMOGRAPHY

NOVEMBER 2023 / V 1.0

Contrast Media Injectors
& Disposables for CT

MADE IN GERMANY

PRODUCT
CATALOGUE
COMPUTED TOMOGRAPHY

NOVEMBER 2023 / V 1.0

COMPUTED TOMOGRAPHY

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COMPUTED TOMOGRAPHY

We develop contrast media injectors and related disposables for computed tomography. You can find our CT portfolio here.



ACCUTRON® CT-D VISION

The Accutron® CT-D Vision is the next generation of MEDTRON AG's leading CT contrast media injector. Focusing on the operator's needs, the latest evolution of the Accutron® CT-D enhances the usability of the dual head CT contrast media injector and optimises its integration into the radiology environment.

01



ACCUTRON® CT

The Accutron® CT is a single head contrast media injector designed for computed tomography and based on the proven technology of the Accutron® injectors. Whether you are budget conscious or newly exploring the potential use of a contrast media injector in your CT department without having to miss out on essential comfort and safety features, then the Accutron® CT is your ideal companion.

02



DISPOSABLES

Our in-house production of disposables for contrast media injectors allows us to ensure optimum quality and constant availability of our disposables. They undergo continuous refinement and adaptation to satisfy the latest customer requirements and market developments.

03

■ MODERN DESIGN

Modernised user interface on larger touch screens with a comprehensive overview of all parameters, improved readability and less eye fatigue

■ SOFTWARE OPTION

Injection Data Sharing (IDS) Software Option with RIS/PACS integration

■ BETTER MOBILITY

Professional rollers for better mobility in the medical environment



Accutron® CT-D VISION

The Accutron® CT-D Vision is the latest development of MEDTRON AG's successful CT injector. Developed to enhance usability, the completely revised user interface is displayed on larger touch screens. It offers simplified programming and more comprehensive tracking of the individual injection steps. The new IDS (Injection Data Sharing) Option enables the exchange of injection data with the digital radiology infrastructure via RIS/PACS integration.

CLINICAL BENEFITS



- The user interface of the Accutron® CT-D Vision simplifies programming through choosing and selecting from lists. Improved readability helps to reduce the risks of insufficient injection settings. It also improves the review of the injection
- With data on puncture sites and contrast media acquisition, the IDS Software Option provides comprehensive traceability and documentation of contrast media administration with regard to imaging, patients and study data (and makes it available digitally via PACS).

OPERATIONAL BENEFITS



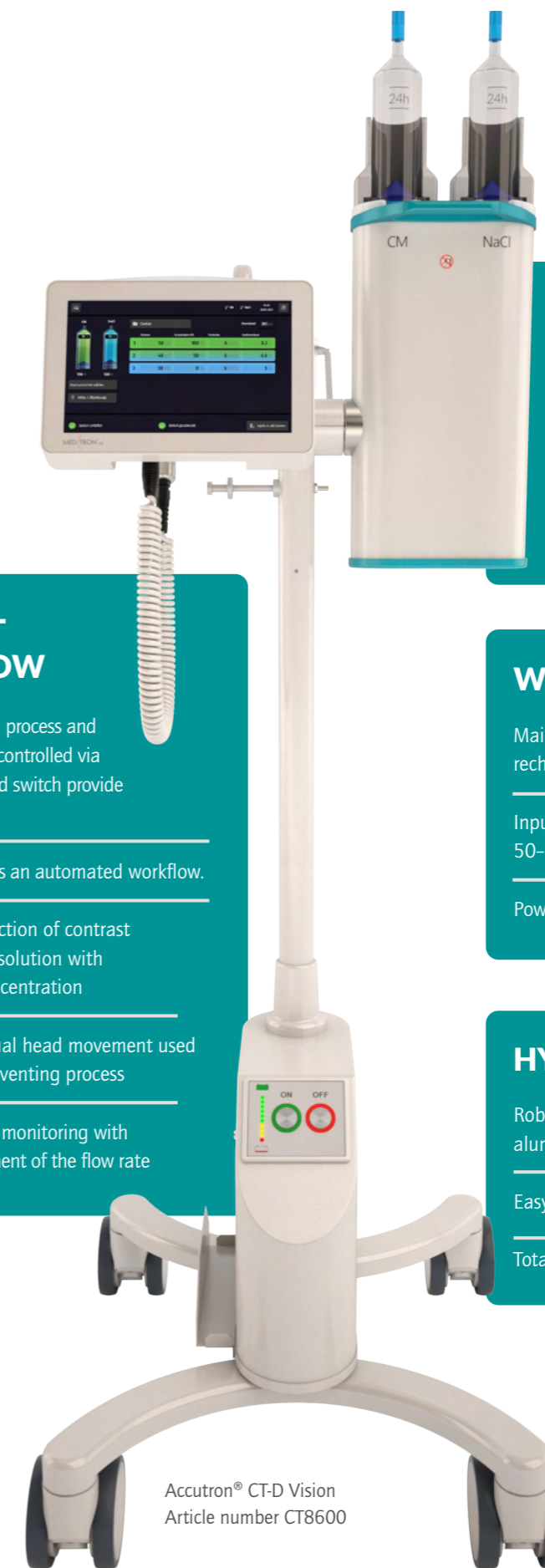
- With the more convenient user interface, the Accutron® CT-D Vision enhances general usability.
- Equipped with the new intelligent Battery Management System and new rollers, injector mobility has been improved even further. With its mobile flexibility in a radiology environment with several examination rooms, the Accutron® CT-D Vision remains a reference product.
- Thanks to direct integration into the imaging infrastructure, the IDS Software Option enables injection data to be sent to PACS and allows for complete traceability and analysis of contrast media administration in computed tomography.

FINANCIAL BENEFITS



- The Accutron® CT-D Vision can be operated in single use or multiple use, with just one or with two syringes and it offers the necessary flexibility to help you to adjust your operating costs for disposables and optimise the cost-benefit ratio of our injector according to your activity.

01
ACCUTRON®
CT-D VISION



EASY FILLING

Automatic filling or manual filling with variable speed

Filling speed 1 - 5 mL/s

Optimised tube systems with check valves

EFFICIENT 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.

Simultaneous injection of contrast media and saline solution with adjustment of concentration

Switches for manual head movement used for the filling and venting process

Real-time pressure monitoring with automatic adjustment of the flow rate

WIRELESS & MOBILE

Mains-independent operation via rechargeable high-output batteries

Input voltage mains supply: 100-240 V, 50-60 Hz

Power consumption charger < 1.8 A

HYGIENIC DESIGN

Robust, stable and lightweight aluminium housing

Easy to clean and hygienic

Total weight: 32 kg

Accutron® CT-D Vision
Article number CT8600

PRODUCT SELECTION

ARTICLE	DESCRIPTION	ARTICLE NUMBER
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MODELS

Accutron® CT-D Vision Battery Version	Mobile dual head injector on rollers with high-output battery	CT8600
Accutron® CT-D Vision Power Supply Version	Mobile dual head injector on rollers with mains supply	CT8621
Accutron® CT-D Vision Ceiling Version	Dual head injector on a ceiling mount with constant power supply	CT8610
Accutron® CT-D Vision Gantry Version	Injector mounted on the gantry with constant power supply, compatible with the following SOMATOM go CT scanners from Siemens Healthineers: SOMATOM go.Now, SOMATOM go.Up, SOMATOM go.All, SOMATOM go.Top.	CT8613

EQUIPMENT (INCLUSIVE)

Remote Control (for all versions)	Touch screen, with Bluetooth connection, incl. mains supply, transmitter and antenna
Charger (for CT8600)	With mains supply function, with country-specific plug
Mains Supply (for CT8621, CT8610, CT8613)	With country-specific plug
Holder for Mains Supply (for CT8600, CT8621)	Foot holder on the injector for charger
Hand Switch with Coiled Cable (for all versions)	For starting and stopping injection
Cupholder and Bottle Holder (for all versions)	Holder on the injector incl. cup
Instructions for Use (for all versions)	Detailed description on how to use the device incl. service log book

REQUIRED ACCESSORIES

Ceiling Mount for Accutron® CT-D Vision Ceiling Version CT8610	Vertical articulation (+45°/-70°) and angle of rotation (360° with stop)	
	Support arm system Valia S1 + various lengths of the ceiling tube:	
	40 cm	530209
	60 cm	530210
	80 cm	530211
	100 cm	530212

OPTIONAL ACCESSORIES

Infusion Stands for CT8600 and CT8621	With cupholder and cup	490200
"Pre-Filled Syringe" Option	Enables the use of pre-filled syringes (e.g. Optiject) incl. ELS adapter	490110

PRODUCT SELECTION

ARTICLE	DESCRIPTION	ARTICLE NUMBER
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IT NETWORK INTERFACES

IDS Software Option	Injection Data Sharing: DICOM-based RIS/PACS interface	490151
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OEM INTERFACES

CANopen Interface Class 4 Siemens	Compatible with go, Definition, Force, Drive, Confidence, X.cite, X.ceed, NAEOTOM Alpha	IP864
CANopen Interface Class 4 GE	Compatible with Optima CT860 Expert, Revolution ACE, Revolution Maxima, Revolution EVO, Revolution Frontier, Revolution Ascend	IF864B
CANopen Interface Contrast&Care®	Compatible with software application Contrast&Care® from Guerbet	IF864C
SAS Interface Philips Type 1	Compatible with Brilliance CT / Vision	490390
SAS Interface Philips Type 2	Compatible with MX8000 CT / Vision	490391
SAS Interface Philips Type 3	Compatible with Incisive, MX16, Access CT / Vision	490407

TECHNICAL DATA

INJECTION VOLUME

Per head **max. 200 mL**
1-200 mL, programmable
in 1 mL increments

PHASES

1 to 6 phases

INJECTION PRESSURE

max. 21 bar,
5-21 bar,
in 1 bar increments

FLOW RATE

0.1 - 10 mL/s,
programmable in
0.1 mL/s increments

INJECTION PROFILES

80 profiles, can be
edited & stored by
the user

INJECTION, PHASE & SCAN DELAY

0 - 255 s

FILLING SPEED

1 - 5 mL/s,
programmable in 1 mL/s
increments

KEEP VEIN OPEN

1 mL every 2 minutes

Subject to technical alterations.

01

ACCUTRON®
CT-D VISION

Accutron® CT-D VISION
CEILING VERSION

Accutron® CT-D VISION
GANTRY VERSION

Accutron® CT-D VISION
POWER SUPPLY VERSION

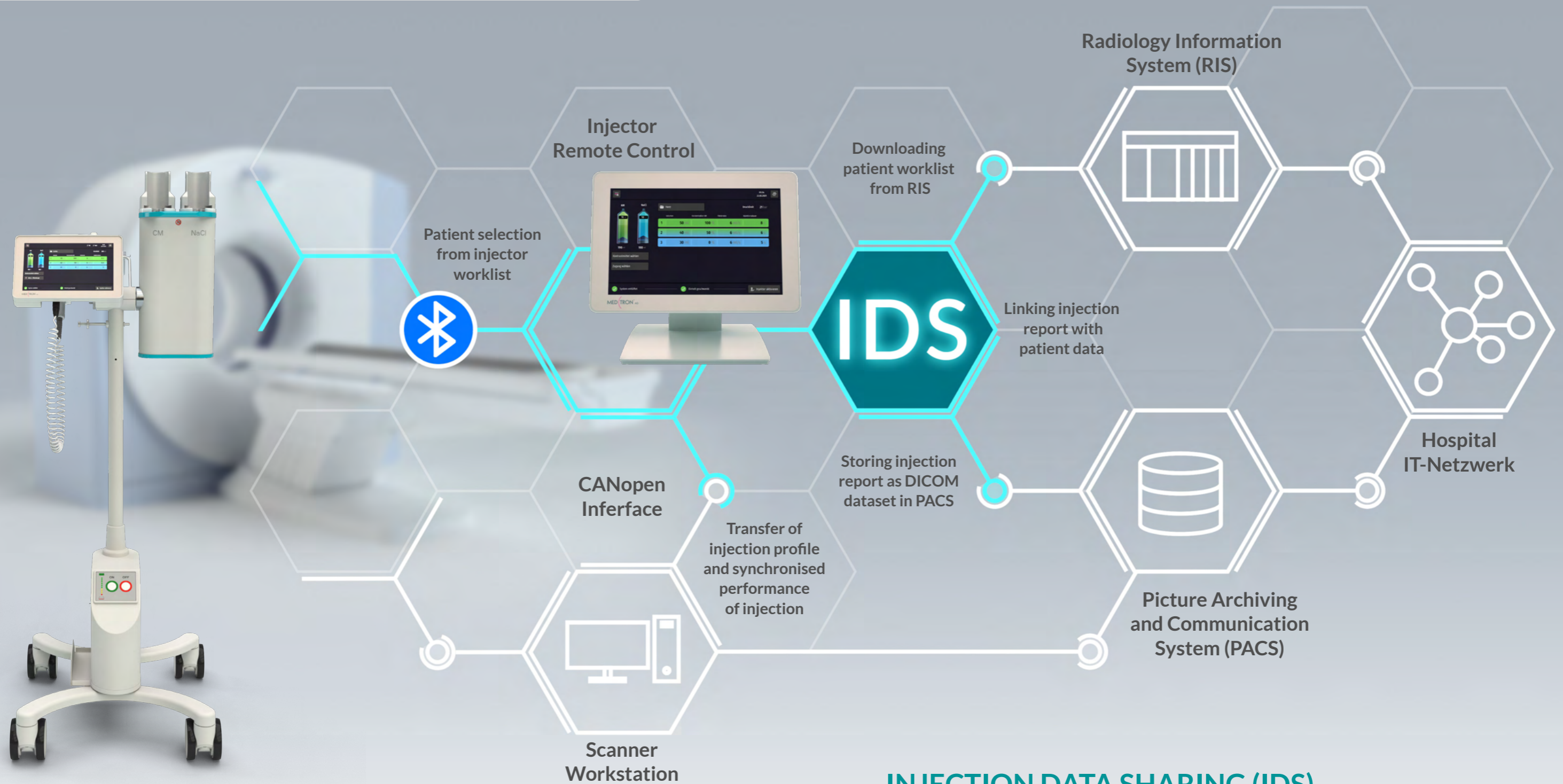


Touch screen remote control

Accutron® CT-D VISION
BATTERY VERSION



Injection Data Sharing – Functionality



INJECTION DATA SHARING (IDS)

The new IDS (Injection Data Sharing) Option links the contrast media injection report with the patient data in the Radiology Information System (RIS) and with the radiological image data in the Picture Archiving and Communication System (PACS).

■ SAFETY AND PRECISION

High precision and safety through real-time pressure monitoring

■ PATIENT COMFORT

Good viscosity of the contrast media due to heated syringe holder

■ INCREASED THROUGHPUT

Mobility and flexibility when changing examination rooms



Accutron® CT

Accutron® CT is a single head injector designed and built on the technology platform of the Accutron® injectors. Whether you are budget conscious or newly exploring the potential use of a contrast media injector in your CT department, the Accutron® CT is your ideal starting point.

Accutron® CT is designed for precisely dosed injection of contrast media in computed tomography. Its touch screen offers an overview at any time of the current injection with the predefined parameters. The remote control helps you to control the high pressure injector from the control room.

CLINICAL BENEFITS



- Offers pressure monitoring in real time, which enables improved precision and safety.
- Integrated heated syringe holder maintains contrast media at body temperature, resulting in an optimal viscosity and more comfort for patients.

OPERATIONAL BENEFITS



- Agile mobility with a configuration that provides flexibility to quickly change examination rooms.
- Functions with select pre-filled syringes to increase throughput due to fast application and shorter patient turnaround times.

FINANCIAL BENEFITS



- Consistent reliability helps to reduce repeat examinations due to incorrect timing of contrast media enrichment.
- Offers solid performance and an affordable price for CT imaging.

02
ACCUTRON® CT

EFFICIENT WORKFLOW

Up to 80 injection profiles, individually created for your examination and easy to access

HYGIENIC DESIGN

Robust, stable and lightweight aluminium housing

Easy to clean and hygienic

Total weight: 15 kg

EASY FILLING

Automatic filling or manual filling with variable speed

Filling speed 1 - 5 mL/s

Optimised tube systems with check valves

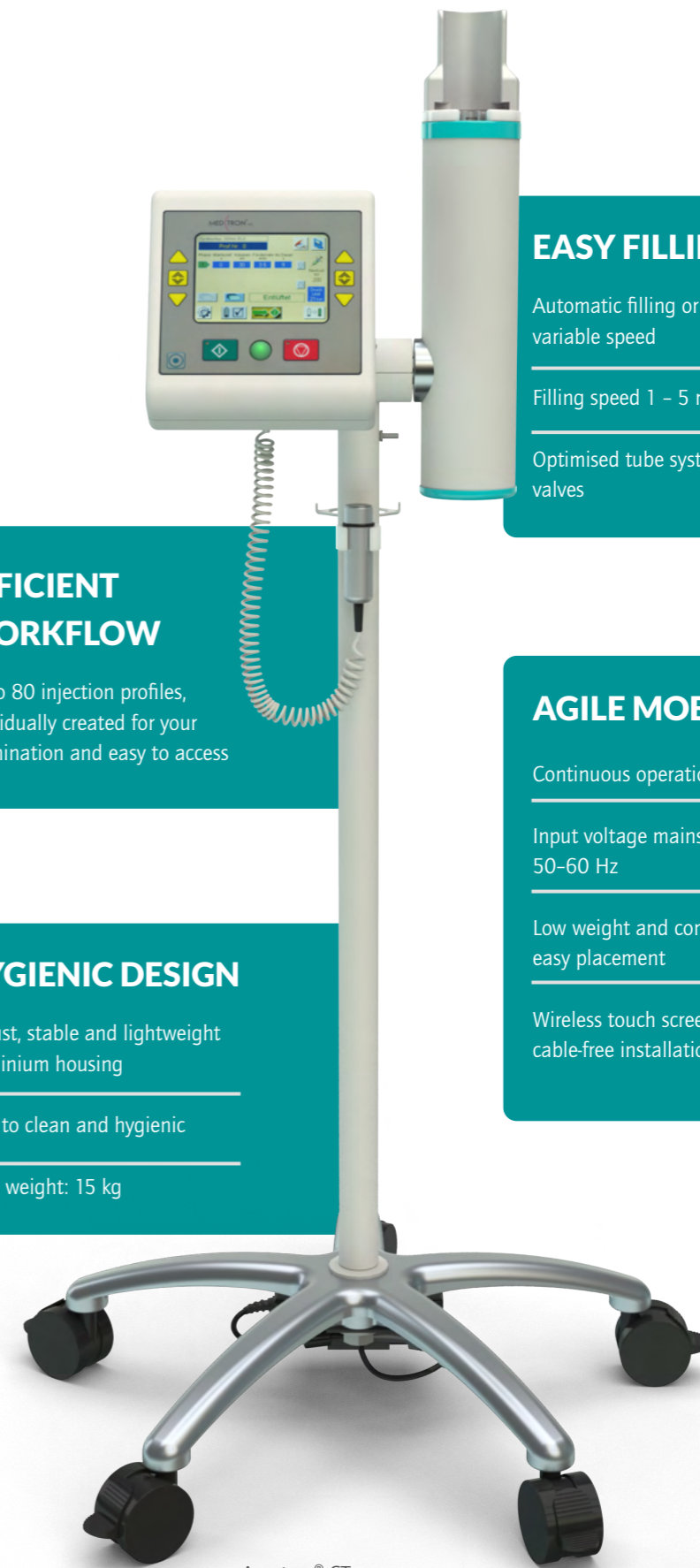
AGILE MOBILITY

Continuous operation with mains supply

Input voltage mains supply: 100-240 V, 50-60 Hz

Low weight and compact design enable easy placement

Wireless touch screen remote control offers cable-free installation and service



Accutron® CT
Article number CT871

PRODUCT SELECTION

ARTICLE	DESCRIPTION	ARTICLE NUMBER
MODELS		
Accutron® CT Power Supply Version	Mobile injector on rollers with mains supply	CT871
EQUIPMENT (INCLUSIVE)		
Hand Switch with Coiled Cable	For starting and stopping injection	
Mains Supply	With country-specific plug	
Cupholder and Bottle Holder	Holder on the injector incl. cup	
OPTIONAL ACCESSORIES		
Remote Control	Touch screen, with Bluetooth connection, incl. mains supply, transmitter and antenna	FB875S
Infusion Stands	With cupholder and cup	490200
"Pre-Filled Syringe" Option	Enables the use of pre-filled syringes (e.g. Optiject) incl. ELS adapter	490110

TECHNICAL DATA

INJECTION VOLUME
Max. 200 mL

PHASES
1 to 6 phases

INJECTION PRESSURE
max. 21 bar,
5-21 bar, programmable
in 1 bar increments

FLOW RATE
0.1 - 10 mL/s,
programmable in
0.1 mL/s increments,
optional selection of flow
rate or phase duration

PARTIAL INJECTION VOLUME
1 - 200 mL,
programmable in 1 mL
increments

INJECTION PROFILES
80 profiles,
can be edited & stored
by the user

INJECTION, PHASE & SCAN DELAY
0 - 255 s

FILLING SPEED
1 - 5 mL/s,
programmable in 1 mL/s
increments

Subject to technical alterations.



Sets for Single Use for CT Injectors

CT-SET ELS SH



31 7614-100
for Accutron® CT

1 x ELS* 200 mL Syringe	31 6026-100
1 x Coiled Line 150 cm Tube System	31 8213-100
1 x SP 227 Vented Spike, Luer Lock	31 9095-100

Packing unit: 50 pieces/carton | 1,200 pieces/pallet

CT-SET ELS DH



31 7629-100
for Accutron® CT-D Vision

2 x ELS* 200 mL Syringe	31 6026-100
1 x Double Head Tube System	31 7101-100
2 x SP 227 Vented Spike, Luer Lock	31 9095-100

Packing unit: 20 pieces/carton | 480 pieces/pallet

Sets for Single Use for CT Injectors with Integrated Drip Chamber

CT2/MRI SET ELS*



31 7625-000
for Accutron® CT-D Vision

2 x ELS* 200 mL Syringe, QFT	31 6025-000
1 x MRS 222 MR Tube System	31 7100-000
1 x ES 224/150 Patient Line	31 8151-000

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

CT2/MRI SET ELS* (S)



31 7627-000
for Accutron® CT-D Vision

2 x ELS* 200 mL Syringe	31 6026-000
1 x MRS 222 MR Tube System	31 7100-000
1 x ES 224/150 Patient Line	31 8151-000

Packing unit: 50 pieces/carton | 480 pieces/pallet

Syringes for Single Use

ELS* 200 ML QFT



31 6025-000

	Filling volume
CM side	
Pressure side	1.5 mL
Suction side	200 mL
NaCl side	
Pressure side	1.5 mL
Suction side	200 mL

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

ELS* 200 ML (S) SYRINGE



31 6026-000

	Filling volume
CM side	
Pressure side	1.5 mL
Suction side	200 mL
NaCl side	
Pressure side	1.5 mL
Suction side	200 mL

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

Single Head Filling Tubes for Single Use

SD 225 SUCTION TUBE WITH THREE-WAY STOP COCK AND SPIKE



31 9080-100

	ID	Length	Filling volume
Tube	2.7 mm	1,000 mm	5.7 mL
Spike	-	-	0.2 mL

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

Double Head Tube Systems with Filling Function for Single Use

EK 223 TUBE SYSTEM WITH DRIP CHAMBER



31 7081-100

	ID	Length	Filling volume
Pressure side	2 mm	210 mm	0.7 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.2 mL

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

TUBE SYSTEM WITH SUCTION LINE AND DRIP CHAMBER



31 7083-100

for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	60 mm	0.2 mL
NaCl side			
Pressure side	2 mm	320 mm	1.0 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.2 mL
Common line			
	1.5 mm	1,500 mm	2.7 mL

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

Double Head Tube Systems with Filling Function for Single Use

MRS-222 MR TUBE SYSTEM



31 7100-100

for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	120 mm	0.4 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.2 mL

	ID	Length	Filling volume
NaCl side			
Pressure side	2 mm	360 mm	1.1 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.1 mL

	ID	Length	Filling volume
Common line			
	1.5 mm	100 mm	0.2 mL

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

MRS-222 MR TUBE SYSTEM WITH INLINE DRIP CHAMBER



31 7099-100

for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	120 mm	0.4 mL
Suction side	2.7 mm	1,040 mm	6.0 mL
Drip chamber	-	-	10 mL

	ID	Length	Filling volume
NaCl side			
Pressure side	2 mm	360 mm	1.1 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.2 mL

	ID	Length	Filling volume
Common line			
	1.5 mm	100 mm	0.2 mL

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

Y CONNECTOR WITH DOUBLE PERFUSION TUBE FOR DOUBLE HEAD INJECTOR



31 7112-100

for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	120 mm	0.4 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.2 mL

	ID	Length	Filling volume
NaCl side			
Pressure side	2 mm	360 mm	1.1 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.2 mL

	ID	Length	Filling volume
Common line			
	1.5 mm	1,000 mm	1.8 mL

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

Double Head Tube Systems for Single Use

DOUBLE HEAD TUBE SYSTEM



31 7101-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	60 mm	0.2 mL
NaCl side			
Pressure side	2 mm	300 mm	1.0 mL
Common line	1.5 mm	1,800 mm	3.2 mL

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

MR-ELS TUBE SYSTEM WITH VALVES



31 7104-000
for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	1.5 mm	100 mm	0.2 mL
NaCl side			
Pressure side	1.5 mm	340 mm	0.6 mL
Common line	1.5 mm	1,850 mm	3.3 mL

Packing unit: 50 pieces/carton | 4,950 pieces/pallet

MRS 225 MR TUBE SYSTEM



31 7125-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	60 mm	0.2 mL
NaCl side			
Pressure side	2 mm	320 mm	1 mL

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

Patient Lines with One Valve

ES 224/25 PATIENT LINE WITH VALVE



31 8020-100

	ID	Length	Filling volume
Line	1.5 mm	200 mm	0.4 mL

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

PATIENT LINE WITH VALVE



31 8152-000

MEDTRON
recommends!

	ID	Length	Filling volume	Article no.
Line	1.5 mm	1,500 mm	2.7 mL	31 8152-100
Line	1.5 mm	2,000 mm	3.5 mL	31 8198-100
Line	1.5 mm	2,500 mm	4.4 mL	31 8251-100
Line	1.5 mm	3,000 mm	5.3 mL	31 8301-100

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

COILED LINE WITH VALVE



31 8214-000

	ID	Length	Filling volume
Line	1.7 mm	1,500 mm	3.2 mL

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

PATIENT LINE WITH VALVE



31 8253-000

	ID	Length	Filling volume
Line	1.5 mm	2,500 mm	4.4 mL

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

Patient Lines with Two Valves

PATIENT LINE 150 CM WITH TERMINAL VALVES



31 8026-100

	ID	Length	Filling volume
Line	1.5 mm	2,500 mm	4.4 mL

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

COILED LINE WITH TWO VALVES



31 8217-000

	ID	Length	Filling volume
Line	1.5 mm	1,500 mm	2.7 mL

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

Patient Lines without Valves

ES 224 PATIENT LINE



MEDTRON recommends!

	ID	Length	Filling volume	Article no.
ES 224/100	1.5 mm	1,000 mm	1.8 mL	31 8101-100
ES 224/150	1.5 mm	1,500 mm	2.7 mL	31 8151-100
ES 224/200	1.5 mm	2,000 mm	3.5 mL	31 8199-100

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

COILED LINE 150 CM



31 8213-000

	ID	Length	Filling volume
Line	1.7 mm	1,500 mm	3.2 mL

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

Short Patient Lines for Intravenous Access

ONE-WAY STOP COCK WITH 30 CM EXTENSION LINE, LUER LOCK



31 8025-100

	ID	Length	Filling volume
Line	2 mm	300 mm	1.0 mL
One-way stop cock	-	-	0.2 mL

Packing unit: 100 pieces/carton | 5,600 pieces/pallet

DW 229 CONNECTOR WITH THREE-WAY STOP COCK



31 8042-100

	ID	Length	Filling volume
Line	1.5 mm	100 mm	0.2 mL
One-way stop cock	-	-	0.3 mL

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

CT Disposables

Accessories

DW 226 THREE-WAY STOP COCK



31 9085-100

	ID	Length	Filling volume
Three-way stop cock	-	-	0.3 mL

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

VENTED SPIKE



31 4095-100

	ID	Length	Filling volume
CM side			
Spike	-	-	0.3 mL
NaCl side			
Spike	-	-	0.3 mL

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

MINI SPIKE, GREEN, LUER LOCK



31 9099-100

	ID	Length	Filling volume
CM side			
Spike	-	-	0.3 mL
NaCl side			
Spike	-	-	0.3 mL

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

CT - Multiple Use up to 8h

03
DISPOSABLES

Multiple Use 8h Syringes

ELS* 200 ML SYRINGE MU (8H)



31 4626-100

	Filling volume
CM side	
Pressure side	1.5 mL
Suction side	200 mL
NaCl side	
Pressure side	1.5 mL
Suction side	200 mL

Packing unit: 50 pieces/carton | 1,200 pieces/pallet

Single Head 8h Tube System

ES 223 TUBE SYSTEM WITH DRIP CHAMBER



31 4081-100

	ID	Length	Filling volume
Pressure side	2 mm	210 mm	0.7 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.3 mL

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

* Easy Loading Syringe

Double Head 8h Tube Systems

MRS 222 MR TUBE SYSTEM (8H)



31 4100-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	120 mm	0.4 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.3 mL
NaCl side			
Pressure side	2 mm	360 mm	1.1 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.3 mL
Common line	1.5 mm	100 mm	0.2 mL

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

MRS 222 XS TUBE SYSTEM WITH EXCHANGEABLE SPIKES AND ADDITIONAL VALVE



31 4119-100
for Accutron® CT-D Vision
MEDTRON recommends!

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	120 mm	0.4 mL
Suction side	2.7 mm	1,040 mm	6.0 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.3 mL
NaCl side			
Pressure side	2 mm	360 mm	1.1 mL
Suction side	2.7 mm	1,040 mm	6.0 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.3 mL
Common line	1.5 mm	200 mm	0.4 mL

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

Patient Lines for Use with 8h Tube Systems

ES 224/25 PATIENT LINE WITH VALVE



31 8020-100

	ID	Length	Filling volume
Line	1.5 mm	200 mm	0.4 mL

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

PATIENT LINE 150 CM WITH TERMINAL VALVES



31 8026-100

	ID	Length	Filling volume
Line	1.5 mm	1,500 mm	2.7 mL

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

PATIENT LINE WITH VALVE



31 8152-000
MEDTRON recommends!

	ID	Length	Filling volume	Article no.
Line	1.5 mm	1,500 mm	2.7 mL	31 8152-100
Line	1.5 mm	2,000 mm	3.5 mL	31 8198-100
Line	1.5 mm	2,500 mm	4.4 mL	31 8251-100
Line	1.5 mm	3,000 mm	5.3 mL	31 8301-100

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

Coiled Patient Lines for Use with 8h Tube Systems

COILED LINE WITH VALVE



31 8214-000

	ID	Length	Filling volume
Line	1.7 mm	1,500 mm	3.2 mL

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

CT - Multiple Use up to 8h

COILED LINE WITH TWO VALVES



	ID	Length	Filling volume
Line	1.5 mm	1,500 mm	2.7 mL

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

31 8217-000

Accessories

VENTED SPIKE MU



	ID	Length	Filling volume
CM side			
Spike	-	-	0.3 mL
NaCl side			
Spike	-	-	0.3 mL

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

31 4095-100

CT - Multiple Use up to 24h

03
DISPOSABLES

Multiple Use 24h Syringes

DAY SAFE SYRINGE 200 (24H)



31 2426-100

	Filling volume
CM side	
Pressure side	1.5 mL
Suction side	200 mL
NaCl side	
Pressure side	1.5 mL
Suction side	200 mL

Pressure side	1.5 mL
Suction side	200 mL

Packing unit: 50 pieces/carton | 1,200 pieces/pallet

Double Head 24h Tube Systems*

DAY SAFE FILLING TUBE D (24H)



31 2400-100

for Accutron® CT-D Vision

	ID	Length	Filling volume
CM side			
Pressure side	2 mm	120 mm	0.4 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.3 mL
NaCl side			
Pressure side	2 mm	360 mm	1.1 mL
Suction side	2.7 mm	1,000 mm	5.7 mL
Drip chamber	-	-	10 mL
Spike	-	-	0.3 mL
Common line			
	1.5 mm	100 mm	0.2 mL

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

Coiled Patient Lines for Use with 24h Tube Systems

SURE PATIENT LINE SP 150, COILED LINE



31 8416-100

for Accutron® CT-D Vision

	ID	Length	Filling volume
Line	1.5 mm	1,500 mm	2.7 mL

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

SURE PATIENT LINE SP 200, COILED LINE



31 8421-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
Line	1.5 mm	2,000 mm	3.5 mL

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

SURE PATIENT LINE SP 250, COILED LINE



31 8426-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
Line	1.5 mm	2,500 mm	4.4 mL

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

Patient Lines for Use with 24h Tube Systems

SUre PATIENTENSCHLAUCH 150



31 8415-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
Line	1.5 mm	1,500 mm	2.7 mL

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

SUre PATIENT LINE 200



31 8420-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
Line	1.5 mm	2,000 mm	3.5 mL

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

SUre PATIENT LINE 250



31 8425-100
for Accutron® CT-D Vision

	ID	Length	Filling volume
Line	1.5 mm	2,500 mm	4.4 mL

Packing unit: 200 pieces/carton | 9,600 pieces/pallet

Accessories

VENTED SPIKE MU



31 4095-100

	ID	Length	Filling volume
CM side			
Spike	-	-	0.3 mL
NaCl side			
Spike	-	-	0.3 mL

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

MINI SPIKE, GREEN, LUER LOCK



31 9099-100

	ID	Length	Filling volume
CM side			
Spike	-	-	0.3 mL
NaCl side			
Spike	-	-	0.3 mL

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

DISPOSABLES

We offer a wide range of disposables for contrast media injectors and have optimised products for many different applications. Our MEDTRON disposables are specifically geared towards the injection of contrast media in CT, MRI and angiography examinations. Their pressure resistance is validated, and they are DEHP-free.

The product range encompasses disposables for single use, disposables for multiple use for up to 8 hours, and our Day Safe System for multiple use for up to 24 hours. In-house production of disposables for contrast media injectors allows us to ensure optimum quality and constant availability of our disposables. They undergo continuous refinement and adaptation to satisfy the latest customer requirements and market developments.

MULTI USE



DAY SAFE SYSTEM (24 H)

Day Safe System is the new **disposable from MEDTRON** for multiple use for up to **24 hours**. The Day Safe Syringes together with the Day Safe Filling Tube D form a closed filling and injection unit that only needs to be changed once per day. Completed by the SURE Patient Line, which is changed per patient and equipped with two check valves, the Day Safe System guarantees safety and control up to 24 hours a day.

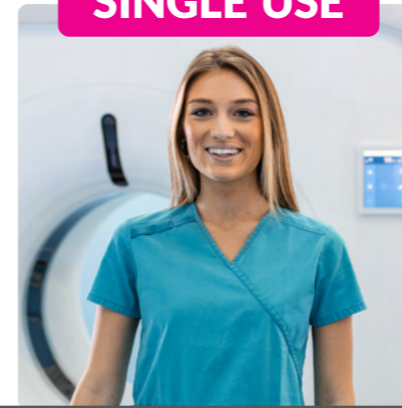
01

MULTIPLE USE (8 H)

We do our best for a simple handling of our products. Our sophisticated disposables for multiple use for up to 8 hours are user-friendly and will significantly simplify your workflow during the examination! You can save time and material with our customisable modular system comprising of an 8h-syringe, 8h-tube system and patient line (with green check valve). Look forward to up to 8 hours without syringe and tube system changes.

02

SINGLE USE



SINGLE USE

We support medical professionals with an extensive range of MEDTRON disposables for single use and offer suitable products for many different workflows, applications and spatial conditions. The disposables for single use range from patient lines in different designs and variants to tube systems, syringes and disposable sets, among others.

03

Day Safe System (24h)

A CLOSED AND TRANSPARENT SYSTEM

■ Optimum SAFETY, Optimum USER COMFORT

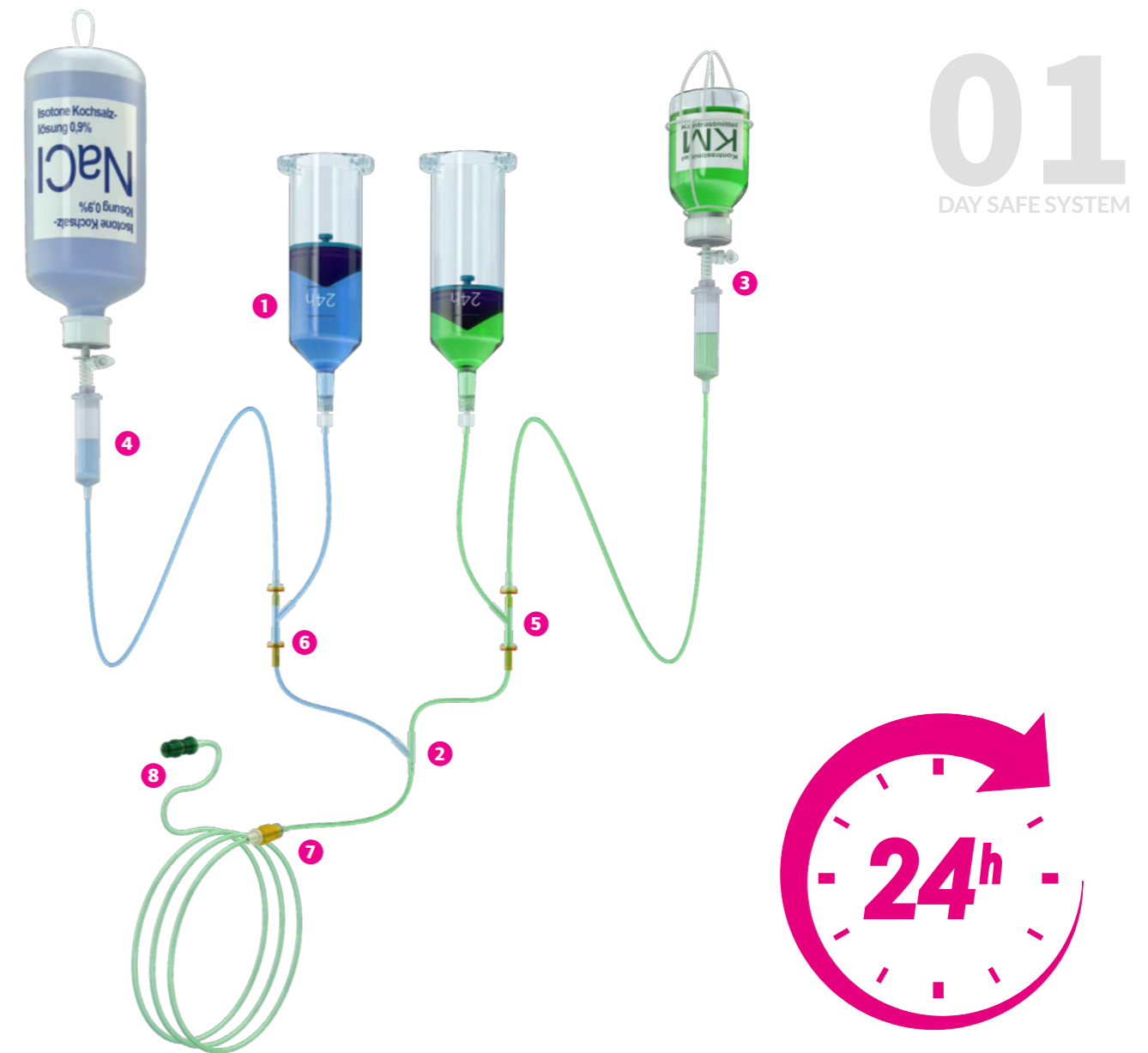
- The Day Safe Syringes and the Day Safe Filling Tube constitute a closed filling and injection system that only needs to be changed once per day, allowing multiple fillings and injections of contrast media and saline solution over the duration of 24 hours.
- We ensure that you keep control on the sterility of the multiple use tube system. The closed system with wipeable, alcohol-resistant drop-stop connectors, the patient line with two check valves and rotating luer locks help you with that.
- The filling tube features inline drip chambers with filters that prevent crystallised contrast media and other particles from passing into the syringe and tube system.

■ Full Transparency for COMPLETE CONTROL

- Safety, user comfort, complete control
- The Day Safe System is a completely transparent system that offers you a clear view of all components at all times.
- All components can be checked at any step of use. Direct view on the primary containers helps you to easily manage exchanges and refills, but it also allows you to completely use up the contents. In this way, you can optimise your contrast media consumption.
- The Day Safe System from MEDTRON therefore enables you to keep control of the preparation, venting and contrast media injection process at all times.

■ Fewer Costs, Less Waste

- The tube system's extended duration of use of up to 24h reduces costs per day. You can thus significantly reduce your costs per patient! You can save up to 70% compared with only single use.*
- The contrast media in the container can be completely used up, which reduces your waste.



- 1 Day Safe Syringes (200 mL or 65 mL)**
are certified to prevent air-carried contamination for the duration of 24 hours
- 2 Day Safe Filling Tube D**
protects syringes and containers from retrograde contamination and allows multiple refills and injections during 24 hours
- 3 Exchangeable Spikes**
for every container reduce contamination risks
- 4 Smartly Designed Inline Drip Chambers**
with filters to prevent crystallised particles of contrast media or other particles from passing into syringes or tube system
- 5 Safe Valves**
on tube system and patient line provide optimal protection from retrograde flow
- 6 Precisely Engineered Y Connectors**
reduce swirling and air bubbles
- 7 Wipeable Drop-Stop Connector**
prevents fluid dripping at disconnection, avoids contact of sterile liquid with open air and can be disinfected with a sterile alcohol swab
- 8 SURE Patient Line**
with two check valves to protect patients from cross-contamination and rotating luer lock for comfortable handling

01
DAY SAFE SYSTEM



Multiple Use (8h)

THE FLEXIBLE SOLUTION – ECONOMIC & UNCOMPLICATED

02
MEHRFACH-
VERWENDUNG (8H)

Efficient Use for 8h

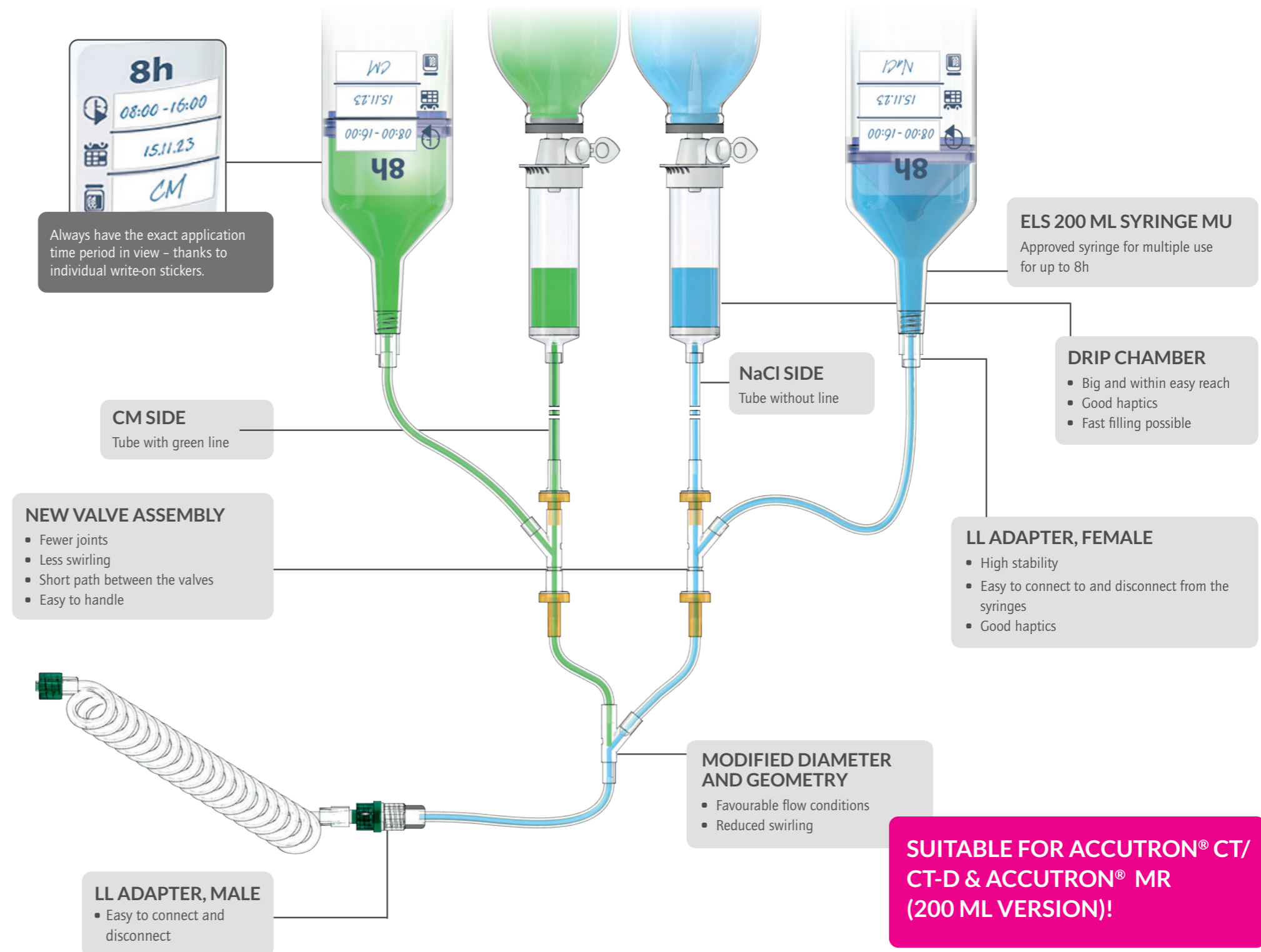
- Fast and easy setup of disposables reduces patient turnaround time
- 8h multiple use tube systems reduce costs for disposables
- Environmentally friendly solution, sustainably produced (latex, DEHP and pyrogen-free plastic components)

Variable & Flexible

- 8h-syringe, 8h-tube system and patient line form a system
- Individual system solutions

Safe Handling

- Overview and control of the exact application time period thanks to individual write-on stickers located on the syringes
- 8h multiple use filling system, exchangeable spikes and intelligent valves reduce the risk of contamination
- Compact and well-structured design enables simple and safe use




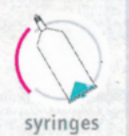
APPLICATION EXAMPLE:

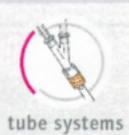
Syringe: Article no. 31 4626 ELS 200 mL Syringe MU	Tube system: Article no. 31 4100 MRS 222 MR Tube System	Patient line: Article no. 31 8217 Coiled Line 150 cm with 2 Valves
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DECLARATIONS OF COMPATIBILITY


Kompatibilitätserklärung Declaration of Compatibility

 injectors

 syringes

 tube systems

 tubes

 accessories

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 ≤ 8 Stunden (8h)
REF 314626-100 „ELS 200ml Spritze MU“
8h-Syringe for short-term use ≤ 8 hours (8h)
REF 314626-100 „ELS 200ml Syringe MU“

in Verbindung mit den **8h-Schlauchsysteme zur kurzzeitigen Anwendung ≤ 8 Stunden (8h) mit gelben Ventilen**
in conjunction with the 8h-tubesystems for short-term use ≤ 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 318020-000, REF 318020-100, REF 318021-000, REF 318021-100,
 REF 318026-000, REF 318026-100, REF 318036-000, REF 318036-100,
 REF 318040-000, REF 318040-100, REF 318152-000, REF 318152-100,
 REF 318181-000, REF 318181-100, REF 318198-000, REF 318198-100,
 REF 318214-000, REF 318214-100, REF 318217-000, REF 318217-100,
 REF 318251-100, REF 318253-000, REF 318253-100, REF 318301-100,
 REF 318303-000, REF 318303-100**

*für einen maximalen Zeitraum von bis zu 8 Stunden validiert ist.
 is validated for a maximum period of up to 8 hours.*

Die hygienische Unbedenklichkeit von der Spritze, Schlauchleitungen und Ventile wurde im Rahmen von mikrobiologischen Studien für die kurzzeitige Anwendung von ≤ 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 ≤ 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.**



 Hauptstraße 255 66128 Saarbrücken Germany

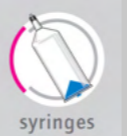
 Saarbrücken, *06 July 2020*


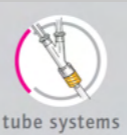
 Martin Biehl
 Vorstand / Member of the Board

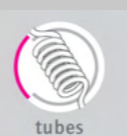
Kennnummer der CE-Kennzeichnung / CE identification number: **0482**
MEDCERT GmbH, Pilatuspool 2, 20355 Hamburg, Germany
FB 07.19.70
Revision 00

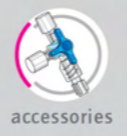
Kompatibilitätserklärung Declaration of Compatibility

 injectors

 syringes

 tube systems

 tubes


 accessories


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

Day Safe Spritze 200 - 21 bar, Mehrfachanwendung 24 h
Day Safe Syringe 200- 21 bar, multiple use 24 h
REF 312426-100
 und/ oder
 and/ or
Day Safe Spritze 65 - 21 bar, Mehrfachanwendung 24 h
Day Safe Syringe 65- 21 bar, multiple use 24 h
REF 312465-100
 in Verbindung mit dem
in conjunction with the
Day Safe Füllschlauch - D 21 bar, Mehrfachanwendung 24 h
Day Safe Filling tube-D 21 bar, multiple use 24h
REF 312400-100
 und dem
 and the
Spike mit Belüftung MU zur Mehrfachentnahme aus einem Vorratsbehälter
Vented spike MU for multiple withdrawal from a multi-dose vial
REF 314095-100
 und/ oder dem
 and/ or the
Minispike, grün MU zur Mehrfachentnahme aus einem Vorratsbehälter
Minispike green MU for multiple withdrawal from a multi-dose vial
REF 319099-100, REF 319099-901
 und dem
 and the
SURE Patientenschlauch 150 - Sure Patientline 150
SURE Patientenschlauch SP 150 - Sure Patient line SP 150
SURE Patientenschlauch 200 - Sure Patient line 200
SURE Patientenschlauch SP 200 - Sure Patient line SP 200
SURE Patientenschlauch 250 - Sure Patient line 250
SURE Patientenschlauch SP 250 - Sure Patient line SP 250
 (mit zwei grünen Rückschlagventilen), Einmalprodukt
 für die einmalige Verwendung an einem einzigen Patienten
 (with two green check valves) for the single use on a single patient
**REF 318415-100, REF 318416-100, REF 318420-100,
 REF 318421-100, REF 318425-100, REF 318426-100**
 für einen maximalen Zeitraum von bis zu **24 Stunden** validiert sind.
are validated for a maximum period of up to 24 hours.

Die hygienische Unbedenklichkeit der Verbrauchsmaterialien wurde im Rahmen von mikrobiologischen Studien für die Anwendung von ≤ 24 Stunden in einem unabhängigen akkreditierten Labor untersucht.
The hygienic safety of the consumables was investigated as part of microbiological studies for short-term use of ≤ 24 hours in an independent accredited laboratory.

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


 Hauptstraße 255 66128 Saarbrücken Germany

 Saarbrücken, 2023-04-11


 i.V. Dr. Daniela Dahlhauser
 Leiterin Qualitätsmanagement, Head of Quality Management

Kennnummer der CE-Kennzeichnung / CE identification number: **0482**
DNV MEDCERT GmbH, Pilatuspool 2, 20355 Hamburg, Germany
FB 07.19.71
Revision 02

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, we work with local service partners that provide quick and competent maintenance service.

Customers can find their local service partner on our website www.medtron.com.

Our „Made in Germany“ injectors and disposables are designed for a long service life and are highly reliable and backed by our competent service team. If nevertheless any technical problems arise, the friendly service teams of our service partners will provide quick and competent assistance.

RELIABLE – FAST – EFFICIENT

Service International:

Phone: +49 (0)681-97017-0
E-mail: service@medtron.com

CONTACT



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Fax: +49 (0)681-97017-20
E-mail: sales.int2@medtron.com

Be part of our
Online Partner Area:



Visit our
Online Showroom:



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Social Media:





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