ulrichINJECT
CT motion™

Less waste
Fewer steps

Do more with **syringeless™**

More than 30 years of roll pump injector experience

ulrich medical

Distributed in the United States by GE Healthcare.

Syringeless CT Contrast Media Injector

With less prep time, streamlined patient turnover and fewer setup steps between patients, the automated syringeless technology of ulrichINJECT CT motion™ helps facilitate efficiencies that keep your radiology suite moving.

- *Once-daily setup and 24-hour multiple patient use pump tubing-flex**
- *Facilitates workflow efficiencies*
- *Bluetooth-enabled*
- *RIS/PACS Integration*
- *Cost-effective*
- *Hygienic closed system*
- *Advanced air and pressure monitoring, integrated particle filter*
- *Helps optimize contrast media and saline use*

Delivering Innovation and Workflow Efficiencies

Integrated CM heat retainers to maintain CM temperature in container

Saline rod for up to 2000 mL of saline (NaCl)

Media detectors with status indicator

Display unit that facilitates easier operation

Pressure sensors

Patient tubing air detector

Pump tubing-flex air detector with status indicator

Large stainless steel roller pump to help achieve high flow rates

ulrichINJECT CT motion™ is available as a mobile pedestal version or with a 3D ceiling mount.

ulrichINJECT CT motion is used in CT procedures for the delivery of approved iodinated contrast medium from GE Healthcare.

RIS/PACS interface automatically standardizes data transfer to support workflow efficiency and creates dose reports and record of prior injections to improve patient safety.

Consumables

The tubing system for the ulrichINJECT CT motion™ consists of pump tubing-flex, spike for CT and patient tubing.

Pump tubing-flex

24-hour multiple patient use

Ulrich part no. XD 8002
GE order no. 1196466

The CT motion pump tubing-flex is cleared for 24-hour usage or a maximum of 19 contrast media bottles, whichever comes first.

Spike for CT (CM/NaCl)

Single-bottle use

Ulrich part no. XD 8132
GE order no. 1196467

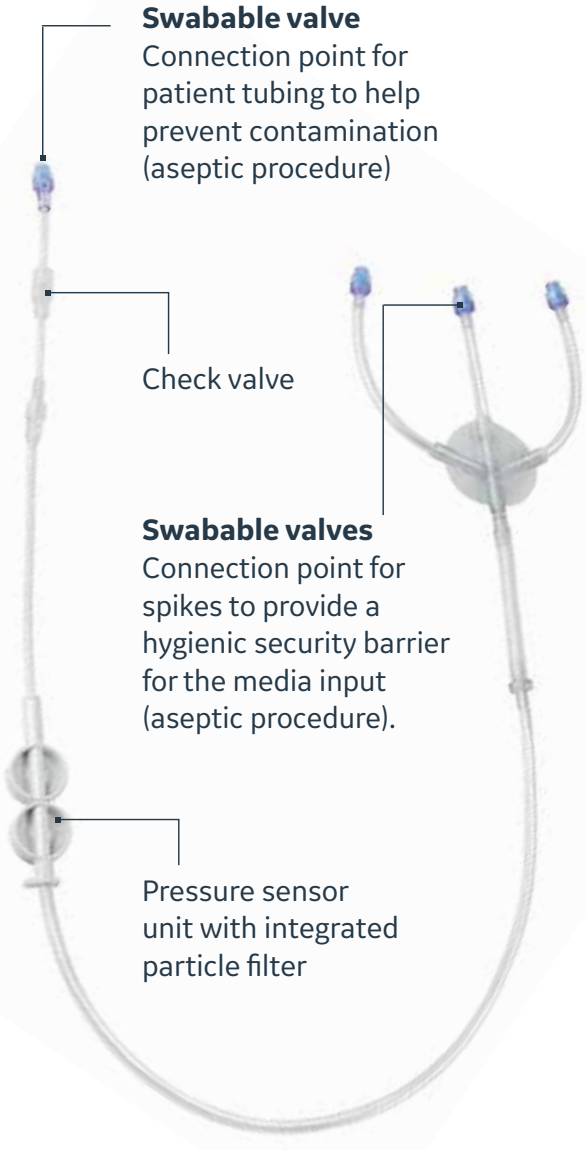
Spike to be used with approved iodinated contrast medium in Imaging Bulk Package.

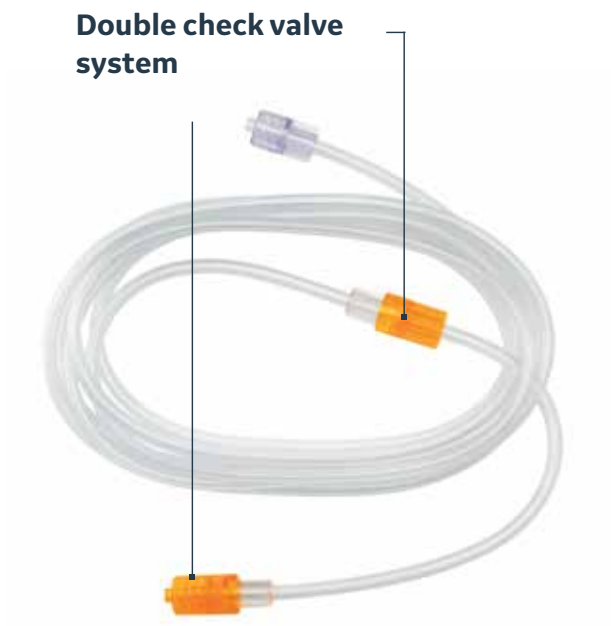
Patient tubing

Single-patient use

250 cm: Ulrich part no. XD 2042
GE order no. 1196468

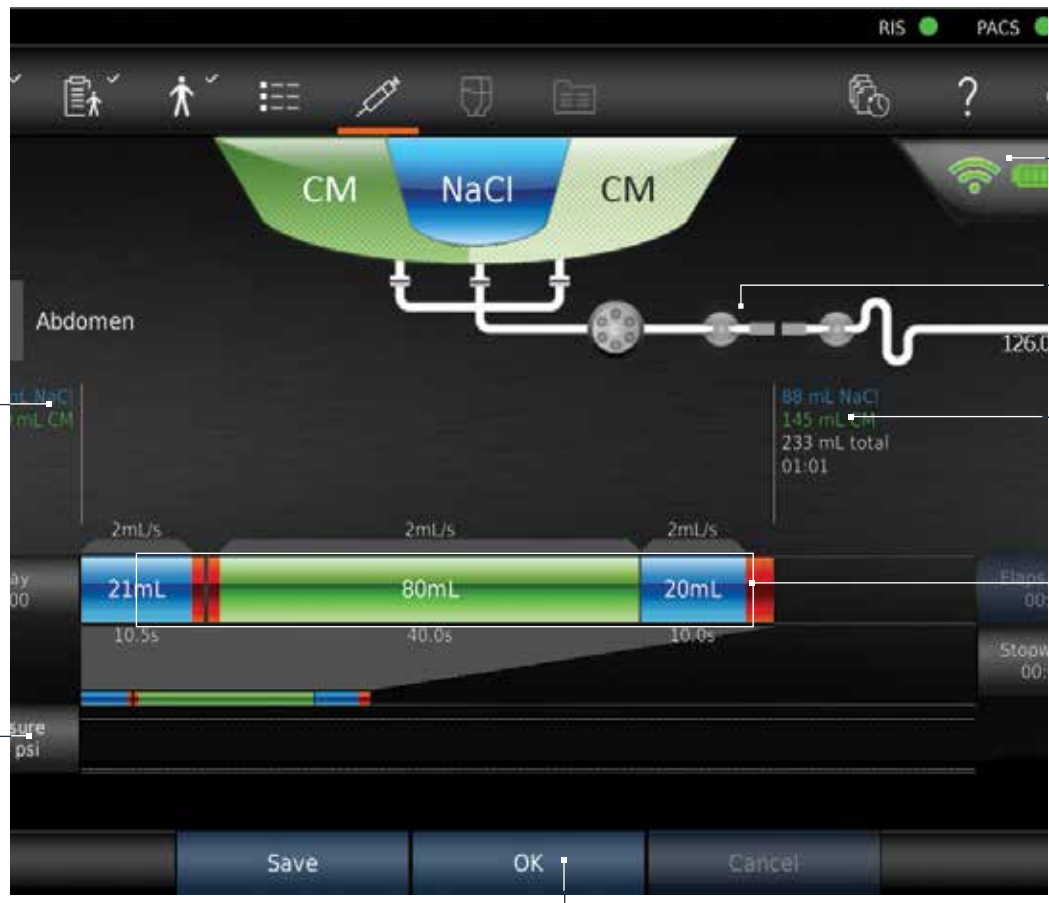
The patient tubing connects the pump tubing-flex to the cannula on the patient and transports media from the pump tubing-flex to the patient.





Terminal

12” Color monitor with PCAP multitouch



Wireless connection status and charging status of the injector batteries

Roller pump and tubing system icons

Injected actual volumes

Target values of the injection volume and injection duration

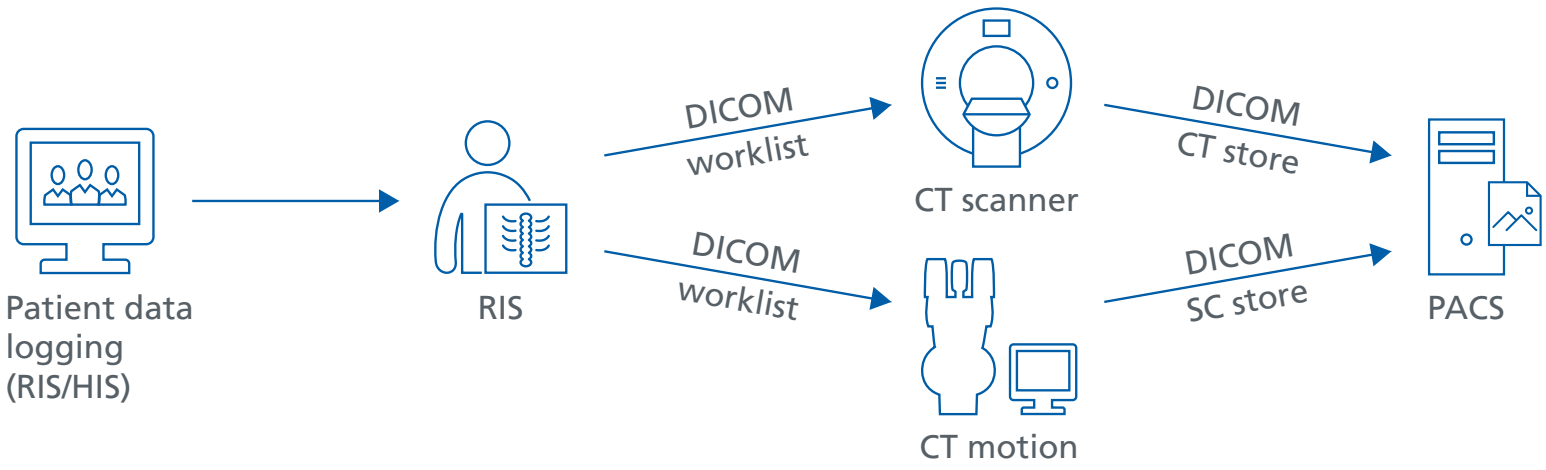
Graphic and numeric display of injection status with bolus indicator zoom

Pressure curve and set pressure limit PSI/bar

Command buttons

PCAP, projected capacitive touch screen.

Save Time and Support Patient Safety With RIS/PACS Integration



Easy, standardized, and comprehensive documentation of contrast media injection using the DICOM standard

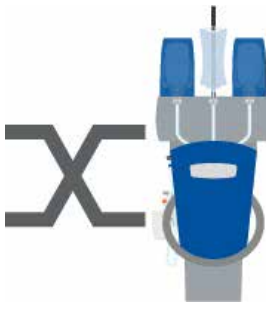
Can minimize error sources during data collection by means of standardized data transfer

Enhances efficiency by rapid availability of contrast media documentation via PACS

Quick access to the last 500 injections at the touch terminal

Statistical evaluations enabled by integration into dose management systems

SYNCopen™ Option



Real-time data exchange via the interface between contrast media injector and CT scanner

Quality assurance by automatic transmission of injection parameters from injector to CT scanner, and then to RIS/PACS or dose management systems

Facilitates improved workflow with single-button start-up plus optimized image quality provided by synchronous start/stop of all devices

Supports time and manpower savings by once-only entry of injection protocols and automatic recording of injection parameters

Overview of Technical Information

Dimensions (L × W × H)	Pedestal version: 25.39 in × 25.39 in × 45.08 in (645 mm × 645 mm × 1445 mm)
Weight	Pedestal version: 174.17 lb. (79 kg), ceiling version: 66.14 lb. (30 kg) plus support arm
Power supply	Rechargeable battery and mains operation
Voltage supply (battery charging)	Voltage rating 100 – 240 VAC/50/60 Hz (automatic)
Media transport	Roll pump
Flow rate (with contrast media)	0.1 to 10.0 mL/s, in increments of 0.1 mL/s
Maximum injection volume	400 mL/patient, in increments of 1.0 mL
Reservoir volume	Contrast media: max. 2 × 500 mL NaCl: max. 1 × 2,000 mL (pedestal version) NaCl: max. 1 × 1,000 mL (ceiling version)
Heat retainer	Contrast media heat retainer (> 28°C/>82.4°F to 37°C/98.6°F)
Maximum system pressure	Setting: 2 – 13.5 bar_{avg} (29 – 195.8 psi_{avg}) Effective: up to 17 bar_{peak} (246.6 psi_{peak})
Air monitoring	3 detectors for the media supply tubing, 1 detector for the pump tubing-flex, 1 detector for the patient tubing
Pressure monitoring	2 pressure sensors
User interfaces	Terminal: 12" Color monitor with PCAP multi touch Injector: Graphical display with soft keys
Data import and export	USB interface
Data transfer from injector to terminal	Bluetooth, power class 1
Number of boli (phases) per injection program	Max. 40
Number of injection programs that can be saved	Up to 100
Pressure curve	Real-time display of the injection pressure curve
Software functions (standard)	CM-Loop: Two-way switchover when there are two identical contrast media Remainder display NaCl backup Manual pause/time-controlled pause Keep Vein Open (KVO)
Software options	Same patient: Multiple injections per patient Elapsed time: Time since end of injection (0 – 999 sec.) Stopwatch: Before and after each bolus (0 – 999 sec.) CM substitution
Injector accessories	Tray, waste bin, saline rod, drip cup
Disposables	Spike for CT Pump tubing-flex Patient tubing (98 in or 126 in/250 cm)

510 K Number: K171392

CT 4101331 R1/2019-05
Subject to technical changes, typographical errors and other errors.

Distributed in the United States by GE Healthcare.
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February 2022 JB06547US