Syringeless CT Contrast Media Injector

ulrich INJECT

CT motion™

24 h
Once-daily setup and 24-hour multiple patient use pump tubing-flex*

*Or 19 bottles of a contrast medium, whichever comes first.

More than 30 years of roll pump injector experience

Distributed in the United States by GE Healthcare.
Integrated CM heat retainers to maintain CM temperature in container

Media container holder for saline (NaCl) Optional: saline rod

Media detectors with status indicator

Display unit for simple, safe, and quick operation

Pressure sensors

Patient tubing air detector

Pump tubing-flex air detector with status indicator

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 Omnipaque™ (iohexol) Injection contrast medium from GE Healthcare as supplied in Imaging Bulk Packaging.*

*For more information about Omnipaque Imaging Bulk Packaging, please visit www.gehealthcare.com/products/contrast-media/omnipaque.
Tubing System

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

**Pump tubing-flex**  
*order no. XD 8002*  
24-hour multiple patient use  
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)**  
*order no. XD 8132*  
Single-bottle use (max. 8 hours)  
Two spikes to be used with Omnipaque™ contrast media in Imaging Bulk Package and one to be used with the saline (NaCl) container/bag.

**Patient tubing**  
250 cm: *order no. XD 2042*  
320 cm: *order no. XD 2047*  
Single-patient use (max. 12 hours)  
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.

- **Swabable valve**  
  Connection point for patient tubing to help prevent contamination (aseptic procedure)

- **Check valve**

- **Swabable valves**  
  Connection point for spikes to provide a hygienic security barrier for the media input (aseptic procedure).

- **Pressure sensor unit with integrated particle filter**

- **Integrated air filter**

- **Double check valve system**
# Overview of technical information

<table>
<thead>
<tr>
<th>Dimension (L x W x H)</th>
<th>Pedestal version: 25.39 in x 25.39 in x 45.08 in (645 mm x 645 mm x 1445 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>Pedestal version: 174.17 lb. (79 kg), ceiling version: 66.14 lb. (30 kg) plus support arm</td>
</tr>
<tr>
<td>Power supply</td>
<td>Rechargeable battery and mains operation</td>
</tr>
<tr>
<td>Voltage supply (battery charging)</td>
<td>Voltage rating 100 – 240 VAC/50/60 Hz (automatic)</td>
</tr>
<tr>
<td>Media transport</td>
<td>Roll pump</td>
</tr>
<tr>
<td>Flow rate (with contrast media)</td>
<td>0.1 to 10.0 mL/s, in increments of 0.1 mL</td>
</tr>
<tr>
<td>Maximum injection volume</td>
<td>400 mL/patient, in increments of 1.0 mL</td>
</tr>
<tr>
<td>Reservoir volume</td>
<td>Contrast media: max. 2 x 500 mL (Omnipaque™ 300/350 mg/L IVP) NaCl: max. 1 x 2,000 mL (pedestal version) NaCl: max. 1 x 1,000 mL (ceiling version)</td>
</tr>
<tr>
<td>Heat retainer</td>
<td>Contrast media heat retainer (&gt; 28°C/82.4°F to 37°C/98.6°F)</td>
</tr>
<tr>
<td>Maximum system pressure</td>
<td>Setting: 2 – 13.5 bar (29 – 195.8 psi) Effective: up to 17 bar (246.6 psi)</td>
</tr>
<tr>
<td>Air monitoring</td>
<td>3 detectors for the media supply tubing, 1 detector for the pump tubing-flex, 1 detector for the patient tubing</td>
</tr>
<tr>
<td>Pressure monitoring</td>
<td>2 pressure sensors</td>
</tr>
<tr>
<td>User interfaces</td>
<td>Terminal: 12” Color monitor with PCAP multi touch Injector: Graphical display with soft keys</td>
</tr>
<tr>
<td>Data import and export</td>
<td>USB interface</td>
</tr>
<tr>
<td>Data transfer from injector to terminal</td>
<td>Bluetooth, power class 1</td>
</tr>
<tr>
<td>Number of bolus (phases) per injection program</td>
<td>Max. 40</td>
</tr>
<tr>
<td>Number of injection programs that can be saved</td>
<td>Up to 100</td>
</tr>
<tr>
<td>Pressure curve</td>
<td>Real-time display of the injection pressure curve</td>
</tr>
<tr>
<td>Software functions (standard)</td>
<td>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)</td>
</tr>
<tr>
<td>Software options</td>
<td>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</td>
</tr>
<tr>
<td>Injector accessories</td>
<td>Tray, waste bin, saline rod, drip cup</td>
</tr>
<tr>
<td>Disposables</td>
<td>Spike for CT Pump tubing-flex Patient tubing (98 in or 126 in/250 cm or 320 cm)</td>
</tr>
</tbody>
</table>

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Subject to technical changes, typographical errors and other errors.

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