Stellant™

CT Injection Systems

Your Intelligent, Total Fluid Delivery System
CT Injection Systems

For four decades Medrad has changed the way medicine is practiced by developing some of the most technologically-advanced medical devices in healthcare. Now we continue our tradition of contrast delivery innovation with the Stellant D Injection System. Stellant D is a full-featured, dual syringe injection system that enables clinicians to perform the most critical CT contrast exams.

**Medrad's Stellant D is the Right Choice for the CT Environment of Today and Tomorrow**

**Dual Syringe**
- Dual Syringe design for the most complicated protocols such as CTA and Cardiac CT.
- Effective contrast utilization.
- Saline test inject for more precise control of contrast delivery.
- Saline flush, following the injection, chases contrast from peripheral veins directly into the heart.

**Prime Button**
- Pushes a predetermined amount of contrast or saline into the tubing to displace air.

**Remote Check For Air**
- Confirm that no air is in fluid path at the injector head to reduce risk of an air injection.

**Remote Arming**
- Arm the injection system at the injector head.

**Improved Syringe Design Saves Time and Increases Throughput Capability**

**Quick and Easy Syringe Installation**
- Simply snap the syringes on in any orientation.
- Plunger advances automatically if contrast syringe is empty.
- Just twist to remove the syringe following the procedure – plunger will retract automatically into position for the next case.

**Integral Auto Load**
- Simply connect the fluid path to initiate automatic filling of the syringes to the appropriate volume.

**Priming Tube**
- Mini reservoir captures contrast or saline overflow while priming patient tubing.
The New Stellant User Interface Provides Many Powerful Features

The Stellant Interface was designed from the ground up to be the most intuitive and user-friendly system available.

**Pressure Monitor Graph**
- Displays the pressure being developed in the syringe during an injection.
- Allows operator to reduce patient risk by providing real-time visual graph of pressure.

**Flow Profile**
- Provides a real-time graphic display of the entire injection profile. You will always know at a glance what has been programmed, and where the injection system is in the delivery of the protocol.

**Stop Watch Feature**
- Timer starts when the injection is initiated. This feature is especially useful to time the start of a delayed phase scan.

**Scan Delay**
- Enables preset or injection delay to maximize synchronization with the scanner.

**Multi-phase Option**
- Up to six phases and Hold & Pause options permit full capability for today’s complicated scan protocols.

**Protocol Lock**
- Current protocol can be locked at the display to enable remote arming and injections from patient’s side to enhance safety.

**Color Touch Screen**
- State-of-the-art color touch screen makes all system operations more intuitive and easier to view.
- Easy-to-read, anti-glare screen.
- Move easily from page-to-page without scrolling.
- Stores and recalls up to 32 different protocols.
Medrad is dedicated to continually improving the quality of all our products and services such that our customers’ satisfaction, loyalty, and respect are unsurpassed. It is our policy to clearly understand and agree upon the valid requirements of the work we perform for our customers, both internal and external, and to pursue 100% conformance to those requirements... on time, every time.

Medrad reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized Medrad representative for the most current information.

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Medrad Europe B.V. is EN-ISO 9002/EN 46002 Certified
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**Injection Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Rate (range &amp; increments)</td>
<td>0.1 to 10 ml/sec in 0.1 ml increments</td>
</tr>
<tr>
<td>Volume (range &amp; increments)</td>
<td>1 ml to syringe capacity in 1 ml increments</td>
</tr>
<tr>
<td>Programmable Pressure Limit</td>
<td>200 ml syringe: 325 psi, 2241 kPa</td>
</tr>
<tr>
<td>Scan Delay</td>
<td>0-300 seconds (5 minutes) in 1 second increments</td>
</tr>
<tr>
<td>Pause</td>
<td>1-900 seconds (15 minutes) in 1 second increments</td>
</tr>
<tr>
<td>Hold</td>
<td>Maximum HOLD time is 20 minutes</td>
</tr>
<tr>
<td>Syringes (Volume capacity)</td>
<td>200 ml sterile disposable syringe</td>
</tr>
<tr>
<td>Maximum Number of Phases</td>
<td>6</td>
</tr>
<tr>
<td>Maximum Number of Protocols</td>
<td>32</td>
</tr>
</tbody>
</table>

**Miscellaneous Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Requirements (VAC/Hz)</td>
<td>100-240 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Syringe Heater Range</td>
<td>95 degrees F +/-9 degrees</td>
</tr>
<tr>
<td>Head Mounting Options</td>
<td>Overhead Counterpoise System or Floor Pedestal</td>
</tr>
<tr>
<td></td>
<td>(Floor Pedestal includes an Integral IV Pole)</td>
</tr>
</tbody>
</table>

**Mechanical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual Injector Head</td>
<td>6.1”</td>
<td>12.1”</td>
<td>14.5”</td>
<td>17.9 lbs (8.1 kg)</td>
</tr>
<tr>
<td></td>
<td>(15.5 cm)</td>
<td>(30.7 cm)</td>
<td>(36.8 cm)</td>
<td>(without syringe)</td>
</tr>
<tr>
<td>Display Control Unit</td>
<td>13.5”</td>
<td>12.5”</td>
<td>8.9”</td>
<td>8.2 lbs (3.7 kg)</td>
</tr>
<tr>
<td>with stand</td>
<td>(34.3 cm)</td>
<td>(31.9 cm)</td>
<td>(22.5 cm)</td>
<td></td>
</tr>
<tr>
<td>Base Unit</td>
<td>11.5”</td>
<td>11.0”</td>
<td>8.8”</td>
<td>13.6 lbs (6.2 kg)</td>
</tr>
<tr>
<td></td>
<td>(29.2 cm)</td>
<td>(27.9 cm)</td>
<td>(22.2 cm)</td>
<td></td>
</tr>
</tbody>
</table>

**Ordering Information**

**Catalog Number: SCT 211**
Stellant D Injection System with Pedestal Head Mount

**Catalog Number: SCT 212**
Stellant D Injection System with Counterpoise System

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