Spectris Solaris® EP

MR Injection System
The Leader Advances

MEDRAD takes the performance of the world's leading MR power injection system to new heights with Enhanced Performance capabilities, 3.0T compatibility and uncompromised ease of use with even more flexibility than before.

Ease-of-Use
- Optimized color touch-screen with few keystrokes.
- Six user-programmable phases for added flexibility.
- Independent Keep Vein Open (KVO) allows more time to focus on the patient.
- Larger 115 mL saline syringe allow for longer KVO & multiple flushes.

Reliability
- Longer battery life with increased capacity.
- Confidently backed by MEDRAD, with trusted reputation for support and unmatched reliability.

Safety
- Fiber Optic technology enables direct, reliable communication.
- Designed for use in all MR Scanner field strengths up to and including 3.0T.

“Very reliable and user-friendly” **
Contrast-efficient disposable system, maximizing contrast delivery

- 65 mL contrast and 115 mL saline syringes are designed as an integral part of the total fluid delivery system.
- Design of low pressure tubing eliminates dead space in the "T" connection that can waste contrast.
- The clear barrel design with molded FluidDots® help detect the presence of air in a syringe.

Flexibility
The Integrated Continuous Battery Charger (iCBC)

- Easily switch between battery power and iCBC in seconds for added power flexibility.
- Flexible installation options of either in-room or out-of-room for added convenience.

"They truly have a philosophy of taking care of the patient, to better the outcome for the patient." **
**Why should I upgrade my Spectris to the new Spectris Solaris EP?**

**Latest technology to capitalize on current and emerging MR studies**
- **Spectris Solaris EP**: Approved for all commercial MRI environments (up to 3.0T)
- **Spectris**: Only approved for use up to 1.5T

**Greater efficiency and accuracy**
- **Spectris Solaris EP**: The only MR injection system commercially available offering six user-defined phases, including both hold and pause phases
- **Spectris**: Longer set-up time and less protocol programming flexibility when performing test injection and actual contrast injection

**Increased automation**
- **Spectris Solaris EP**: Independent KVO function minimizes risk of inadvertent contrast delivery.
- **Spectris**: Requires multiple hand-switch activations for KVO and contrast injection

**Moving to the Spectris Solaris EP results in a more streamlined MRI suite by combining improved technology, flexibility, and ease-of-use while also simplifying the logistics of training and syringe/disposable ordering.**

### System Specifications

<table>
<thead>
<tr>
<th>Components</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Room Unit</td>
<td>11.995&quot; (30.46 cm) W (screen up)</td>
</tr>
<tr>
<td>Base Unit</td>
<td>11.80&quot; (29.97 cm) W (screen up)</td>
</tr>
<tr>
<td></td>
<td>10.922&quot; (27.91 cm) H (screen &amp; base)</td>
</tr>
<tr>
<td></td>
<td>9.25&quot; (23.5 cm) H (screen up)</td>
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<tr>
<td></td>
<td>10.5&quot; (26.67 cm) D</td>
</tr>
<tr>
<td>Scan Room Unit</td>
<td>37&quot; (94 cm) H</td>
</tr>
<tr>
<td></td>
<td>11.25&quot; (28.6 cm) W</td>
</tr>
<tr>
<td></td>
<td>57.5&quot; (146 cm) D</td>
</tr>
<tr>
<td>Power Supply</td>
<td>2.5&quot; (6.35 cm) H</td>
</tr>
<tr>
<td></td>
<td>14.3&quot; (36.32 cm) W</td>
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<tr>
<td></td>
<td>6.7&quot; (17.02 cm) D</td>
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### System Capabilities

**Volume:**
- **Syringe A**: 0.5 mL to maximum syringe volume in:
  - 0.1 mL increments between 0.5 and 31 mL
  - 1 mL increments for 31 mL and above
- **Syringe B**: 1 mL to max. syringe volume in:
  - 1 mL increments

**Flow Rate (Programmable)**
- 0.01 to 10 mL/s in:
  - 0.01 mL/s increments between .01 and 3.1 mL/s
  - 0.1 mL/s increments between 3.1 and 10 mL/s

**KVO (Programmable)**
- 15 seconds
- 20 seconds
- 0.25 mL pulsed every 30 seconds (default)
- 45 seconds
- 60 seconds
- 75 seconds

**Pressure Safety Limit**
- Factory set not to exceed 325 psi (2240 kPa)

**Delay**
- 1 to 300 seconds in 1 second increments

**Pause Phase**
- 1 to 900 seconds in 1 second increments

**Injection Capabilities**
- 6 phases per protocol

**Storage Capacity**
- 32 protocols of up to 6 phases each

**Dispensable Syringe Kit for Spectris Solaris EP**
- **Catalog Number**: SSQK 65/115vs
- **Contents**:
  - 65 mL Qwik-Fit Syringe® Disposable for Contrast Media
  - 115 mL Qwik-Fit Syringe® disposable for Saline
  - One Large Spike for Saline
  - One Small Spike for Contrast Media
  - 96" Low Pressure Connector Tube with T-connector and Check Valve

**Electrical**
- **Electrical**: 100-240 VAC
- **Requirements**: 50-60 Hz
- **350 VA**
- **Electrical Leakage Unit**: < 100 microamperes
- **Patient**: < 10 microamperes

**Customer Service/Orders**
- +1-800-MEDRAD-1
- +1-888-633-7231

**Customer Service Fax**
- +1-412-767-4120

**www.medrad.com**

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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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**Based upon 2003 - 2004 FSC (Flaherty, Sabol & Carroll) Communications Research.**