



# Intelligent, Intuitive, Innovative



**medRAD**® Stellant  
CT Injection System

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## CT Imaging Solutions start here...

The MEDRAD® Stellant D Dual Syringe CT Injection System is reliable and easy-to-use. It is an integral piece of the CT imaging solution which also includes the Radimetrics™ Enterprise Platform, Quality Consumables, and Services by Bayer. (Extended warranties including VirtualCare™ Remote Support).

Protocol options for the most advanced clinical applications:

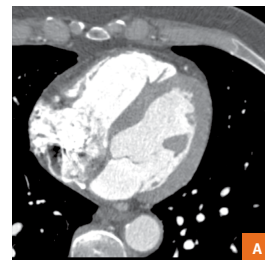
- Designed for complex contrast enhanced CT protocols
- Creates a tight contrast bolus
- Enables precisely timed contrast delivery

## Clinical benefits of injecting contrast and saline at different ratios to visualize the whole heart

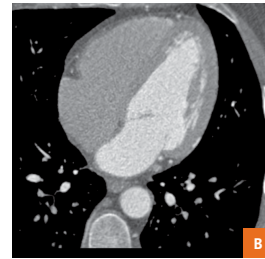
Clinical research has shown that simultaneous injection of contrast and saline, in user-selected ratios, can<sup>1</sup>:

- Provide more uniform attenuation of the right and left ventricles
- Minimize artifacts by achieving proper attenuation levels
- Visualize the right coronary arteries and right ventricles in a single study by achieving more uniform attenuation

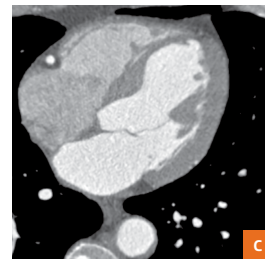
**DualFlow can provide the ability to perform simultaneous injection of contrast and saline with the MEDRAD® Stellant D Injection System**



A. With single contrast phase



B. With Saline Flush



C. With DualFlow phase<sup>2</sup>

1. Kerl JM, Ravenel JG, Nguyen SA, et al. "Right heart: split-bolus injection of diluted contrast medium for visualization at coronary CT angiography", *Radiology*. 2008;247:356-364.

2. Jensen, CT, "Dual Flow Contrast Injection for Coronary CTA Improves Visualization of the Right Heart", NASCI Abstract # 05-A-69-NASCI.

# Certegra® Workstation highlights:

- › Informatics ready platform – enables interconnectivity between your scanner, the MEDRAD® Stellant D Dual Head Injector, PACS, RIS, & Speech Recognition Systems
- › Storage and recall of up to 250 protocols
- › Enhanced protocol manager
- › Ability to add Certegra® P3T 2.0 Software to drive protocol standardization through new capabilities including presets for radiologist-preferred protocols & the ability to save and recall P3T software protocols

Certegra® Workstation is the cornerstone of the Certegra® @ Point of Care application, the industry's first<sup>3</sup> Contrast Dose Management Solution. The data you need is centrally mobilized and instantly available.



## Certegra® Workstation for MEDRAD® Stellant D Injection System

The command center for intelligent Radimetrics™ CT Contrast Dose Management Solutions.

## VirtualCare™ Remote Support Capabilities

With the inclusion of a VirtualCare™ Remote Support system, alerts are monitored and resolved proactively. That's forward thinking you can't afford to miss out on.

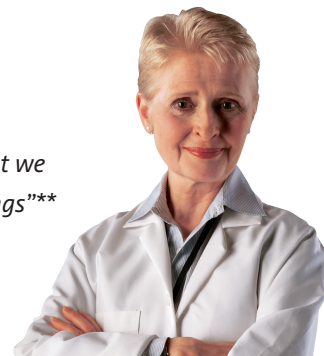
## The MEDRAD® Stellant D efficiently increases throughput with:

- › Snap-on / twist-off syringe design
- › Automatic plunger advance and retract when attaching and detaching syringes
- › Automatic filling and priming
- › Multi-phase programming (and patented Hold/Pause feature)
- › Integrated saline test inject
- › Programmable pressure limit



**MEDRAD® Stellant Dual Saline Syringe Kit** (SDS-CTP-SCS) includes a small spike for contrast & a longer, vented spike for saline

*"Decreasing the amount of contrast agent that we use has really resulted in significant cost savings"\*\*\**



3. Reference on file.

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

# Enhancing Your CT Practice

## System Specifications

### Injection Specifications

<b>Flow Rate (range &amp; increments)</b>	0.1 to 10 mL/sec in 0.1 mL increments
<b>Volume (range &amp; increments)</b>	1 mL to syringe capacity in 1 mL increments
<b>Programmable Pressure Limit (psi/kPa)</b>	200 mL syringe: 325 psi, 2241 kPa
<b>Reminders</b>	0-300 seconds (5 minutes) in 1 second increments
<b>Pause</b>	1-900 seconds (15 minutes) in 1 second increments
<b>Hold</b>	Maximum HOLD time is 20 minutes
<b>Syringes (Volume capacity)</b>	200 mL sterile disposable syringe
<b>Maximum Number of Phases</b>	6
<b>Maximum Number of Protocols</b>	250

### Miscellaneous Specifications

<b>Electrical Requirements (VAC/Hz)</b>	100-240 VAC, 50/60 Hz, 300 Volts-AMPS
<b>Syringe Heat Maintainer Range</b>	95 degrees F +/-9 degrees 35 degrees C +/-5 degrees
<b>Head Mounting Options</b>	Overhead Counterpoise System or Floor Pedestal (Floor Pedestal includes an Integral IV Pole)
<b>DualFlow</b>	Simultaneous Injection of Contrast and Saline
<b>Medrad® XDS Extravasation Detection System</b>	Extravasation Detector - Extravasation Detection Device
<b>Certegra® P3T Cardiac Application</b>	Patient-specific Injection Protocols for Cardiac CTA Software
<b>Certegra® P3T Abdomen Application</b>	Abdominal Protocol Optimization Software
<b>Certegra® P3T PA Application</b>	Pulmonary Angiography Protocol Optimization Software

## Mechanical Specifications

	Height	Width	Depth	Weight
Dual Injector Head	6.1" (15.5 cm)	12.1" (30.7 cm)	14.5" (36.8 cm)	17.9 lb (8.1 kg) <i>(without syringe)</i>
Base Unit	11.5" (29.2 cm)	11.0" (27.9 cm)	8.8" (22.2 cm)	13.6 lb (6.2 kg)
Certegra® Workstation (CWS)	12.71" (32.28 cm)	15.58" (39.58 cm)	10.5" (26.67 cm)	17.6 lb (8.0 kg)



## Ordering Information

Systems listed include all standard cabling

Catalog Number: SCT 321  
MEDRAD® Stellant D CT Injection System with Certegra® Workstation with a Pedestal Head Mount

Catalog Number: SCT 322  
MEDRAD® Stellant D CT Injection System with Certegra® Workstation with Counterpoise System Head Mount

## Backed by Bayer reliability, support and service

- > Legendary product reliability
- > Exceptional after-sales support
- > Knowledgeable and reliable technical service
- > Ask about Predictive Maintenance Programs and Extended Warranties with Bayer



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