BAYER

Intelligent, Intuitive, Innovative

Certegra™
@ Point of Care

VirtualCare™
Remote Support

MEDRAD® Stellant™
CT Injection System

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 Bayer's CT imaging solution which also includes the Radimetrics™ Enterprise Platform, Quality Consumables, and Services (Extended warranties including VirtualCare™ Remote Support).

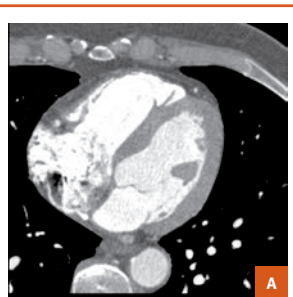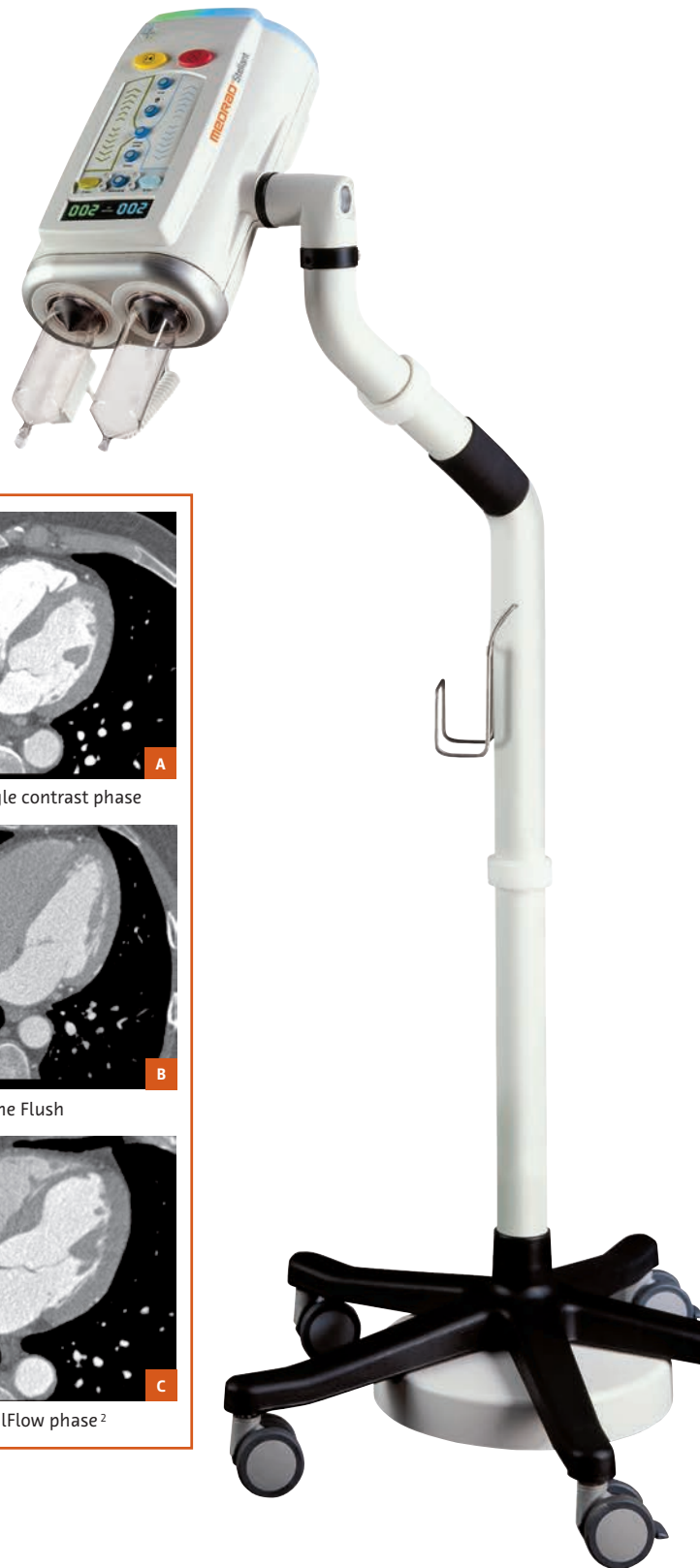Protocol options for the most advanced clinical applications:
- Designed for complex contrast enhanced CT protocols
- Creates a tight contrast bolus
- Enables precisely timed contrast delivery

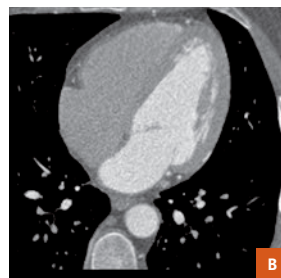## Clinical benefits of injecting contrast and saline at different ratios to visualize the whole heart

Clinical research has shown that simultaneous injection of contrast and saline, in user-selected ratios, can[1]:

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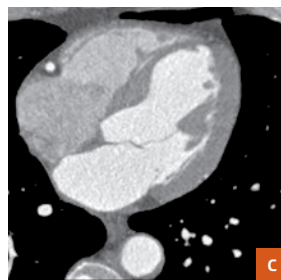
DualFlow can provide the ability to perform simultaneous injection of contrast and saline with the MEDRAD® Stellant™ D Injection System

A. With single contrast phase

B. With Saline Flush

C. With DualFlow phase[2]

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

Certegra™ Workstation for MEDRAD® Stellant™ D Injection System
The command center for intelligent CT Contrast Dose Management Solutions.

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

Certegra™ Workstation highlights:

- Informatics ready platform – enables interconnectivity between your scanner, the MEDRAD® Stellant™ D Dual Head Injector, PACS, RIS, & Speech Recognition Systems
- 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 Bayer Certegra™ @ Point of Care application, the industry's first[3] Contrast Dose Management Solution. The data you need is centrally mobilized and instantly available.

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.

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.
3. Reference on file.

System Specifications

Injection Specifications

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

Miscellaneous Specifications

Electrical Requirements (VAC/Hz)	100-240 VAC, 50/60 Hz, 300 Volts-AMPs
Syringe Heat Maintainer Range	95 degrees F +/-9 degrees 35 degrees C +/-5 degrees
Head Mounting Options	Overhead Counterpoise System or Floor Pedestal (Floor Pedestal includes an Integral IV Pole)
DualFlow	Simultaneous Injection of Contrast and Saline
MEDRAD® XDS™ Extravasation Detection System	Extravasation Detector - Extravasation Detection Device
Certegra™ P3T™ Cardiac Application	Patient-specific Injection Protocols for Cardiac CTA
Certegra™ P3T™ Abdomen Application	Abdominal Protocol Optimization Software Software
Certegra™ P3T™ PA Application	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) *(without syringe)*
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)

Equipment Service by Bayer

Backed by Bayer reliability, support and service
- Legendary product reliability
- Exceptional after-sales support
- Knowledgeable and reliable technical service
- Ask about Bayer's Predictive Maintenance Programs and Extended Warranties

Clear Direction. > From Diagnosis to Care.

Bayer