



Boost Your Images



Clear Direction.  From Diagnosis to Care.

medrad® Stellant
CT Injection System

A User-Friendly Injector for Advanced CT Applications

MEDRAD® Stellant CT Injection System is known for its innovative clinical offerings and feature set facilitating advanced CT applications, such as cardiac and perfusion imaging. MEDRAD® Stellant is rated highly in user satisfaction and ease of use.¹



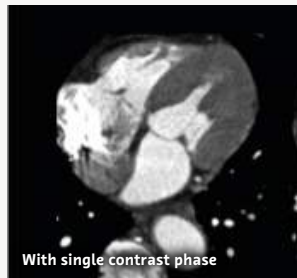
Boost Your Delivery



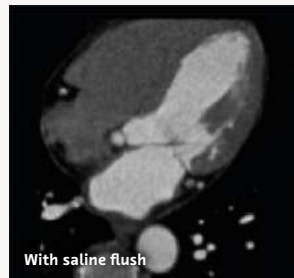
Piston-based technology consistently outperforms the tested peristaltic pump systems in critical fluid delivery parameters.²

Contrast delivery is essential for consistency to allow optimal image quality.

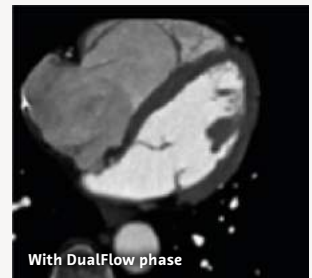
- DualFlow allows simultaneous injection of contrast and saline in user-selected ratios, to enable improved visualization.³



With single contrast phase



With saline flush



With DualFlow phase

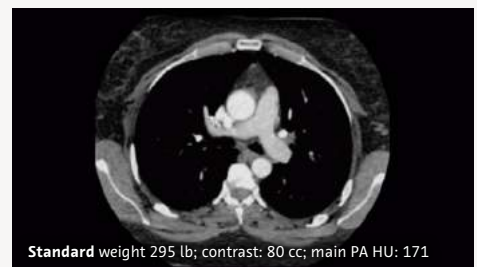
Jensen, CT, "Dual Flow Contrast Injection for Coronary CTA Improves Visualization of the Right Heart," NASCI Abstract # 05-A-69-NASCI.

- Protocol management facilitates contrast delivery.
- P3T Personalized Protocols calculates individually optimized injection protocols for cardiac CT, pulmonary angiography and abdomen studies.^{4,5}

P3T® Pulmonary Angiography vs. Standard



P3T® PA weight: 300 lb; contrast: 116 cc; main PA HU: 274



Standard weight 295 lb; contrast: 80 cc; main PA HU: 171

When compared to standard protocols, P3T® PA protocols result in a higher percentage of exams ranked diagnostic without limitation.^{*5}

*Albeit at a slightly higher contrast dose than the standard protocol of 80 mL

1. Corey Kemper et al., Performance of Centargo: A Novel Piston-Based Injection System for High Throughput in CE CT, Med Devices (Auckl) 15 (April 2022):79-87.
 2. Amy Chaya et al., Piston-Based vs Peristaltic Pump-Based CT Injector Systems, Radiologic Technology 90, no. 4 (March 2019): 344-352.
 3. J. Matthias Kerl et al., Right Heart: Split-Bolus Injection of Diluted Contrast Medium for Visualization at Coronary CT Angiography, Radiology 247 no. 2 (May 2008): 356-364.
 4. Bayer. Personalized Patient Protocol Technology (P3T). Operation Manual (2019).
 5. Christopher R. Deible et al., A clinical evaluation of an automated software program (P3T PA) for patient-specific contrast injection during chest CTA to exclude pulmonary embolism, In Proceedings of the 25th Annual Meeting of the Society of Thoracic Radiology, (2007): 25-29.

Boost Your Workflow



//Automated Documentation** effortlessly captures contrast and injection parameters along your workflow, reducing the number of manual tasks and potential errors.

- › Scan barcode data quickly at the source for fewer transcription errors.
- › Have contrast and injection details available effortlessly in the imaging workflow.
- › Automatically propagate data to connected systems for fewer administrative steps and more time for patient care.

PREPARE	PLAN	PERFORM	REPORT	BILL	MANAGE
Smart ID**	Modality Worklist P3T Personalized Protocols	PACS Interface Scanner Connectivity	Dictation Interface	RIS Interface	Radimetrics® Enterprise Platform

**Not available in all countries

Boost Your Efficiency



The Multi-Patient Syringe System is an effective design that allows you to perform multiple studies with a single syringe kit.

Scanner Connectivity (ISI) enables synchronization between injector and scanner, enhancing clinical capacity and simplifying workflow.

Scanner Connectivity (ISI):

- › **ISI 700** (for Philips scanners)
- › **ISI 800** (for Siemens and Canon)
- › **ISI 900** (for Siemens, General Electric, Hitachi, and Canon)
- › **Connect.CT sold as Philips SyncRight** (for Philips scanners)

Boost Your Confidence



With a continued commitment to quality, our support team provides remote support and on-site equipment service, to keep your Stellant injectors up and running.



Speed

- › Software issues are often resolved remotely, in minutes rather than hours
- › Our goal is to repair the hardware in one trip, with the right parts, the first time



Security

- If your injector is enhanced with a Workstation 3.0:
- › Proprietary software updates and patches arrive seamlessly
 - › Antivirus protection remains current†
 - › System alerts are monitored and resolved proactively



Support

- › Problems are diagnosed remotely
- › Solutions are developed quickly
- › The recovery plan is completed quickly

†Periodic updates provided per defined schedule

System Specifications

	Height	Width	Depth	Weight
Dual Injector Head	15.5 cm (6.1")	30.7 cm (12.1")	36.8 cm (14.5")	8.1 kg (17.9 lb) (without syringe)
Base Unit	28.6 cm (11.25")	27.9 cm (11.0")	22.9 cm (9.0")	6.2 kg (13.6 lb)
Workstation 3.0	27.3 cm (10.8")	38.4 cm (15.1")	20.2 cm (7.9")	7.2 kg (15.8 lb)

Ordering Information

Systems listed include all standard cabling

MEDRAD® Stellant D Injection System
with Pedestal Head Mount
(order number: SCT 310)

MEDRAD® Stellant D CT Injection System
with Workstation and Counterpoise System Head Mount
(order number: SCT 322)

Injection Specifications

Flow rate (range and increments):
0.1 – 10 mL/sec in 0.1 mL increments

Volume (range and increments):
1 mL to syringe capacity in 1 mL increments

Programmable pressure limit (psi/kPa):
200 mL syringe: 325 psi, 2241 kPa

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

Software and Interface Specifications

P3T Personalized Protocols:
Catalog number: STI2-P3T

//Automated Documentation:
Catalog number: CWKS STARTER PKG

RIS Interface:
Catalog number: MIS PCS 301

Dictation Interface:
Catalog number: MIS PCS 300

Scanner Interface:
Catalog number: ISI700/800/900, ISI2

Miscellaneous Specifications

Electrical requirements (VAC/Hz):
100 – 240 VAC, 50/60 Hz, 1.3A

Syringe heat maintainer:
35 degrees C +/-5 degrees, 95 degrees F +/-9 degrees

Head mounting optionsEW:
Overhead Counterpoise System or Floor Pedestal (Floor Pedestal includes an Integral IV Pole)

DualFlow:
Simultaneous injection of contrast and saline is included and integrated in the workstation

VirtualCare®:
Remote service on the injector and software to ensure faster uptime

*Not available in all countries

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