Stellant® D Dual Syringe

Injection System
Intelligent, Intuitive, Innovative

Stellant D is the smart choice for dependable performance exactly when you need it - during critical CT contrast exams, where accuracy is vital and real-time injection graphics are indispensable. The Stellant D Dual Syringe CT Injection System is consistently reliable, easy to use and offers enhanced safety features in every component, from the dual syringe capability, to the priming tube, to the interface.

Dual Syringe design delivers accuracy and reliability.

Stellant D provides saline flush capabilities and robust protocol options for the most advanced clinical applications:
- Designed for complex CTA and Cardiac CT protocols
- Creates a tight contrast bolus for better visualisation
- Enables precisely timed contrast delivery

Variable Motion Ratios

Stellant D with DualFlow option is more than a saline flush after a contrast bolus. Now you can inject both contrast and saline at the same time. The key is the simultaneous injection capability of the DualFlow option. DualFlow enables variable ratios of plunger motion from the contrast and saline syringes simultaneously. With the proper ratio, left and right heart ventricles can be illuminated uniformly for improved image quality.

With DualFlow you can:
- Control attenuation levels in both ventricles
- Minimize artifacts
- Visualize right coronary arteries and right ventricle in a single study

Real-time display of injection pressure in graph form

“The Stellant D dual-technology has really helped improve the quality of CT Angiography studies that we do.”
The Stellant D safely increases throughput
The Stellant D interface was designed to save time during setup and injection with the most user-friendly system available:
- Designed for bulk delivery
- Snap-on / twist-off syringe design
- Automatic plunger advance and retract when attaching and detaching syringes
- Automatic filling and automatic priming with the touch of a button
- Stores and recalls up to 32 protocols
- Multi-phase programming (and patented Hold/Pause feature)
- Integrated saline test inject
- Programmable pressure limit

“Decreasing the amount of contrast agent that we use has really resulted in significant cost savings.”

Backed by MEDRAD reliability, support and service
- Legendary product reliability
- Unmatched after-sales support
- Knowledgeable and reliable technical service
- Ask about MEDRAD’s Predictive Maintenance Programmes and Extended Warranties

“The transfer set is beneficial because it is easier. We don’t have to constantly open different bottles. We just use what’s needed.”
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
Maximum Number of Protocols 32

Miscellaneous Specifications

Electrical Requirements
(VAC/Hz) 100-240 VAC, 50/60 Hz
Syringe Heater Range 95 degrees F +/-9 degrees
35 degrees C +/-5 degrees

Options

Head Mounting Options Overhead Counterpoise System or Floor Pedestal
(Floor Pedestal includes an Integral IV Pole)
DualFlow Simultaneous Injection of Contrast and Saline
XDS® Extravasation Detector - Extravasation Detection Device
P3T® Cardiac Patient-specific Injection Protocols for Cardiac CTA
P3T® Abdomen Abdominal 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 lbs (8,1 kg)
Display Control Unit with stand 13.5" (34,3 cm) 12.5" (31,9 cm) 8.9" (22,5 cm)
Screen only = 3.4" (8,6 cm) 8.2 lbs (3,7 kg)
Base Unit 11.5" (29,2 cm) 11.0" (27,9 cm) 8.8" (22,2 cm) 13.6 lbs (6,2 kg)

Ordering Information

Systems listed include all standard cabling

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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