

OUR VALUE ADDS UP



MEDRAD® Centargo CT Injection System

Technical Specifications

medRAD® Centargo
CT Injection System

Dimensions and Weight

Description		Specification	
Injector (Pedestal)		Dimensions (WxDxH) Weight (approximate)	76.2 x 68.6 x 167.6 cm 77.8 kg (171.5 lbs.)
Overhead Counterpoise System (OCS)		Dimensions (WxDxH) Weight (approximate)*	39.2 x 49 x 122.6 cm 112.16 kg (247.1 lbs.)
Workflow Hub (Control Room Unit)	Touch Screen Display	Dimensions (WxDxH) Weight	35.7 x 18.9 x 27 cm 3.2 kg (6.61 lbs.)
	Hub	Dimensions (WxDxH) Weight	21.1 x 7.9 x 13.6 cm 1.2 kg (2.7 lbs.)

*Weight includes: MAVIG Centargo OCS Mounting Plate, ceiling columns, and injector column, upper and lower arms, injector interface bracket, internal cable, and injector system

Injector Specifications

Description	Specification	
Fluid Delivery Method	Piston-based	
Fluid Loading	Contrast media: 50 mL to 500 mL Imaging bulk package or single-dose vial presentations	Saline: 50 mL – 1000 mL
Day Set (volume)	Three x 200 mL reservoirs • Two contrast media (same API*) • One saline	
Air Detectors	<ul style="list-style-type: none"> • Three inlet air sensors to detect when bottles and bags run empty • One outlet air sensor to detect air before it reaches the Patient Line • Reservoir air detection and automatic air removal 	
Battery Performance (Pedestal configuration only)	Up to 16 hours or up to 60 injections	
Displays	Two independent, Wi-Fi enabled, full color, touch screen units with modern graphical user interfaces located in the scan room and the control room	
Barcode Reader	Contrast details auto populated to system such as brand, concentration, vial size and use life	
Integrated Prime Container (volume)	680 mL container with volume indicator depicted on dual displays	

*API = active pharmaceutical ingredient



Protocolling Specifications

Description	Specification
Volume Range	1 mL to 200 mL for contrast and saline phases; 1 mL to 400 mL for DualFlow phases (in 1 mL increments)
Flow Rate Range	0.1 to 10 mL/sec in 0.1 mL/sec increments
DualFlow	Simultaneous injection of contrast and saline in increments of 5%
Programmable Pressure Limit	From 50 psi to 300 psi in one psi increments (also displayable in kPa and kg/cm ²)
Programmable Delay	One second to 900 seconds in one second increments
Pause	Maximum pause time of 20 minutes
Injection Capabilities	Maximum six phases per injection. Maximum 10 injections per exam.
Skip to Next Phase	Enables the user to stop the current phase of an injection and start the next phase
Patency Check / Test Inject	Real time flow rate adjustment and multi-phase test injections

Disposables

Description	Specification
Day Set*	<ul style="list-style-type: none"> • Pre-assembled • Designed for set-up in less than two minutes • Recessed connection to reduce contamination risk • Labeled for twenty four (24) hours of use or 25 bottles of contrast media, whichever comes first
Patient Line	<ul style="list-style-type: none"> • Single use, 250 cm • Snap-in single hand design • Two check valves, auto-primes upon insertion • Recessed connection to reduce contamination risk
Replacement Spikes*	Labeled for use with one bottle/bag of fluid. Replace the spike with every bottle change.
Saline Tag	Attached to saline source used to deliver multiple single doses to multiple patients. Once the port of saline container is punctured, the Saline Tag should not be removed during the entire period of use.

*Replace the spike with every bottle change. Discard disposables in case of suspected fluid path contamination.

Day Set



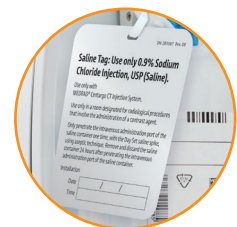
Patient Line



Replacement Spikes



Saline Tag





Connectivity powered by Cortenic™

Description	Specification
Remote Connectivity	Available on the injector
Barcode Reader	Available on the injector
Automated Documentation*	<ul style="list-style-type: none">• Modality Worklist• PACS Interface
Processing Productivity*	<ul style="list-style-type: none">• RIS Interface• Speech Recognition Interface• Radimetrics® Interface
Scanner Interface*	<ul style="list-style-type: none">• ISI2• Connect.CT
Protocols*	<p>P3T® Bundle</p> <ul style="list-style-type: none">• Cardiac CT• CT Pulmonary Angiography• CT Abdomen

*May require additional software purchase.



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