Contrast Media Injectors

Look for this symbol throughout the 2013/2014 Diagnostic Imaging Accessories & Supplies catalog for new items this year.

Contrast Media Injectors

CT Injectors

GE-Nemoto Dual-Shot NCOM Injector

Improve workflow – and save time – with the injector that communicates with your GE CT scanner.

The GE-Nemoto Dual-Shot NCOM Injector is a dual syringe injector designed with GE customer feedback to provide intuitive operation from routine protocols to the most advanced CTA studies. Sold exclusively by GE, this CT injector is integrated with select GE CT scanners for seamless communication. As a result, the potential for technical errors is reduced.

Simply put, the GE-Nemoto Dual-Shot NCOM Injector can help optimize workflow while providing high performance and imaging quality to patients and clinicians alike.
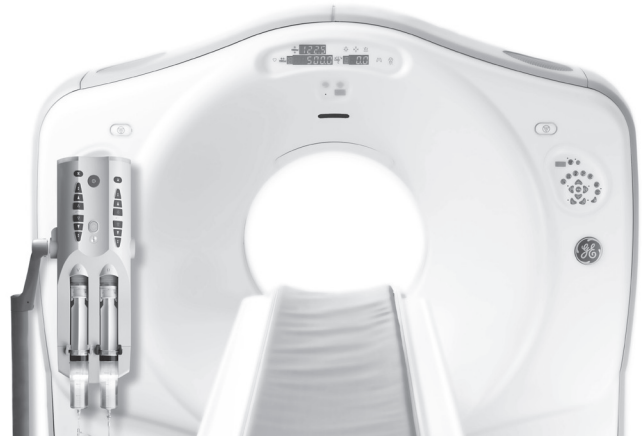
Integrated Communication

- The GE-Nemoto NCOM Injector and GE CT Xtream Injector feature support the CAN CiA 425 communication protocol
- Enables consistent, simultaneous start of injection and scan acquisition protocols

Ease of Use

- Intuitive anatomical protocol selection resembles the GE CT scanner protocol
- User can easily select, modify or create protocols
- Easy syringe loading and unloading – no injector command required

Innovation

- Plunger-style syringe allows user to fill syringes outside of the injector, helping to improve patient set-up and throughput
- Quick Fill and Quick Purge functionality is standard
- Cardiac and other advanced protocols, including dilution (simultaneous saline and contrast), multi-phase and saline flush
- Integrated syringe heater enhances patient comfort and lowers injection pressures
- Compact flash memory card allows for quick and easy saving, retrieval, sharing and updating of protocols

Safety Features

- Needle tip pressure and injection parameters displayed in real-time with easy-to-read graphics
- If pressure limit is reached, flow rate decreases automatically and an alert is displayed
- Needle placement test checks patency of the vein to enhance injection safety
- Injector self-tests at power-up and during the entire injection protocol

Syringes and Supplies Available Through GE

- Prepackaged, budget-friendly syringe kits with supplies needed for an exam
- Single and dual syringe kits with Y-tubing and filling spikes or J-tubes

Service

- Backed by GE Healthcare's exceptional service team, providing installation, service and applications training as part of CT scanner training

Upgradeable

- Innovative flash memory card design allows for software changes and upgrades

"One Stop-Shop"

- GE Healthcare provides the complete solution from CT scanner, to injectors, to syringes, and service

Cat#	Description	List Price	Warranty
Injectors			
E8004M	GE-Nemoto Dual Shot NCOM (Class 4) CT Injector - Pedestal Mount	$40,600.00	E
E8004MA	GE-Nemoto Dual Shot NCOM (Class 4) CT Injector - Ceiling Mount for Short Post	$44,150.00	E
E8004MB	GE-Nemoto Dual Shot NCOM (Class 4) CT Injector - Ceiling Mount for Medium Post	$44,150.00	E
E8004MC	GE-Nemoto Dual Shot NCOM (Class 4) CT Injector - Ceiling Mount for Long Post	$44,150.00	E
E8004NG	Nemoto Mounting Plate for Ceiling-Mount Injector	$650.00	B
GE-Nemoto Dual-Shot NCOM Syringes and Supplies			
E8004NB	GE-Nemoto Dual Syringe Pack: 200 ml and 100 ml Syringe, Spike and Y-Tube	$325.00	E
E8004NC	GE-Nemoto Dual Syringe Pack: 200 ml and 100 ml Syringe w/J-Tube and Y-Tube (20/box)	$310.00	E
E8004ND	GE-Nemoto Single Syringe Pack: 200 ml Syringe w/Spike and 60 in. Coiled Tubing (50/box)	$480.00	E
E8004NE	GE-Nemoto Single Syringe Pack: 200 ml Syringe w/J-Tube and 60 in. Coiled Tubing (50/box)	$465.00	E
E8004RA	GE-Nemoto 200 ml Syringe w/J-Tube (50/Case)	$375.00	E
E8004RB	GE-Nemoto 100 ml Syringe w/J-Tube (50/Case)	$340.00	E
E8004RC	GE-Nemoto J-Tube only (100/Case)	$135.00	E
E8004RD	GE-Nemoto 60 in. Straight Line (100/Case)	$162.00	E
E8004RE	GE-Nemoto 60 in. Y-Tube, 1 Check Valve, Straight (100/Case)	$415.00	E
E8004RF	GE-Nemoto 200 ml Syringe only (50/Case)	$370.00	E
E8004RG	GE-Nemoto 100 ml Syringe only (50/Case)	$330.00	E
E8004RH	GE-Nemoto Fill Set (100/Case)	$470.00	E
E8004RJ	GE-Nemoto 60 in. Coiled Line (100/Case)	$225.00	E
E8004RK	GE-Nemoto 60 in. Coiled Line Y-Tube, 1 Check Valve (100/Case)	$430.00	E
E8004RL	GE-Nemoto 60 in. Y-Tube, 2 Check Valves, Straight (100/Case)	$475.00	E
E8004RM	GE-Nemoto 200/200 ml Syringe w/ spike (20/box)	$395.00	E
E8004RN	GE-Nemoto 200/200 ml Syringe w/ fill tube (20/box)	$383.00	E
E8004RP	GE-Nemoto Fill Set, 7 in., with spike, cap and clamp (100/Case)	$470.00	E

CM

Contrast Media Injectors

GE-Nemoto CT Dual-Shot Injection System

Brought to you exclusively by GE Healthcare

The GE-Nemoto Dual-Shot Injector rounds out the GE Accessories family of products for your complete CT suite. Sold exclusively by GE, this CT injector helps optimize contrast procedures and contrast usage as well as streamline clinical workflow. *GE-Nemoto … It's That Simple!*

Ease of Use

- Intuitive anatomical protocol selection complements the GE CT scanner protocol set-up
- Quick and easy retrieval and programming with its intuitive touch screen
- Easy syringe loading and unloading
- Winner of **Good Design Award**

Innovation

- Innovative plunger style syringe allows user to fill syringes outside the injector, improving patient set-up
- Quick Fill and Quick Purge functionality is standard
- Advanced protocols with dilution (simultaneous saline and contrast), multi-phases and saline flush
- Compact flash card for protocol saving, quick retrieval, sharing and easy updates

Syringes and Supplies

- Prepackaged budget-friendly syringe kits with supplies needed for an exam
- Single and dual syringe kits for contrast only and saline exams with filling option J-tube or spike and Y-tubing
- GE will work with you to select the appropriate products, create a blanket purchase order and schedule regular deliveries of any configuration and quantity of products that you require

Safety Features

- Real-time pressure monitoring graphically monitors needle tip pressure and injection parameters, as well as a needle placement test to help administer injections
- Injector self-tests at power-up and during the entire injection protocol

Service

- Backed by GE Healthcare's exceptional service team, providing installation, service and applications training as part of CT scanner training

Upgradeable

- Flash memory card design allows for software changes and upgrades

"One-Stop-Shop"

- GE Healthcare provides the complete solution from CT scanner, to injectors, to syringes, and service

Cat#	Description	List Price	Warranty
Injectors			
E8004N	GE-Nemoto Dual-Shot CT Injector Pedestal-Mount	$34,000.00	E
E8004NA	GE-Nemoto Dual-Shot CT Injector Ceiling-Mount (Short Post – ceiling height: 8 ft. 2 in. – 8 ft. 10 in.) REQUIRES E8004NG Mounting Plate be added to order	$37,500.00	E
E8004NJ	GE-Nemoto Dual-Shot CT Injector Ceiling-Mount (Medium Post – ceiling height: 9 ft. 0 in. – 10 ft. 6 in.) REQUIRES E8004NG Mounting Plate be added to order	$37,500.00	E
Injector Accessories			
E8004NG	Nemoto Mounting Plate for Ceiling-Mount Injector	$650.00	B

GE-Nemoto Dual-Shot NCOM Syringes and Supplies
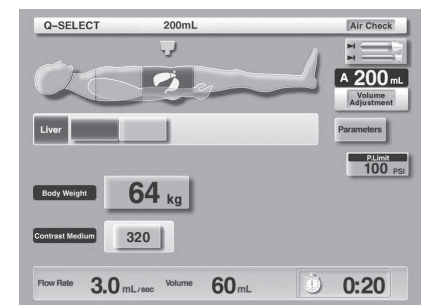
E8004NB	GE-Nemoto Dual Syringe Pack: 200 ml and 100 ml Syringe, Spike and Y-Tube	$325.00	E
E8004NC	GE-Nemoto Dual Syringe Pack: 200 ml and 100 ml Syringe w/J-Tube and Y-Tube (20/box)	$310.00	E
E8004ND	GE-Nemoto Single Syringe Pack: 200 ml Syringe w/Spike and 60 in. Coiled Tubing (50/box)	$480.00	E
E8004NE	GE-Nemoto Single Syringe Pack: 200 ml Syringe w/J-Tube and 60 in. Coiled Tubing (50/box)	$465.00	E
E8004RA	GE-Nemoto 200 ml Syringe w/J-Tube (50/Case)	$375.00	E
E8004RB	GE-Nemoto 100 ml Syringe w/J-Tube (50/Case)	$340.00	E
E8004RC	GE-Nemoto J-Tube only (100/Case)	$135.00	E
E8004RD	GE-Nemoto 60 in. Straight Line (100/Case)	$162.00	E
E8004RE	GE-Nemoto 60 in. Y-Tube, 1 Check Valve, Straight (100/Case)	$415.00	E
E8004RF	GE-Nemoto 200 ml Syringe only (50/Case)	$370.00	E
E8004RG	GE-Nemoto 100 ml Syringe only (50/Case)	$330.00	E
E8004RH	GE-Nemoto Fill Set (100/Case)	$470.00	E
E8004RJ	GE-Nemoto 60 in. Coiled Line (100/Case)	$225.00	E
E8004RK	GE-Nemoto 60 in. Coiled Line Y-Tube, 1 Check Valve (100/Case)	$430.00	E
E8004RL	GE-Nemoto 60 in. Y-Tube, 2 Check Valves, Straight (100/Case)	$475.00	E
E8004RM	GE-Nemoto 200/200 ml Syringe w/ spike (20/box)	$395.00	E
E8004RN	GE-Nemoto 200/200 ml Syringe w/ fill tube (20/box)	$383.00	E
E8004RP	GE-Nemoto Fill Set, 7 in., with spike, cap and clamp (100/Case)	$470.00	E

GE-Nemoto Body Weight Protocol

Help reduce protocol variation and help improve workflow.

GE-Nemoto injector's alternative programming option provides medical professionals the opportunity to enter known information such as: patient weight, contrast media concentration, desired iodine amount , injection time and volume. The Body Weight Protocol then calculates and displays the equivalent injection protocol in terms of flow rate and total volumes.

- Protocol calculated based upon patient weight and desired iodine amount
- Helps reduce contrast waste
- Helps improve protocol consistency within a department
- Customizable interface to meet the needs of the user
- Helps improve injection performance from patient to patient

Cat#	Description	List Price	Warranty
E8004NL	GE-Nemoto Body Weight Protocol	$5,000.00	E

Contrast Media Injectors

MEDRAD Stellant® D with DualFlow Injection Systems

Stellant D with DualFlow is more than a saline flush after a contrast bolus. 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 contrast and saline syringes simultaneously. With the proper ratio, left and right heart ventricles can be illuminated uniformly for good image quality.

- Stellant D with DualFlow incorporates all the benefits of Stellant D. It also allows users to test vein accesses with saline and prime patient tubing with saline to save contrast

- Benefits for Stellant D with DualFlow:
  - Helps match attenuation levels in both ventricles

- Additional benefits include:
  - Automation features to help maximize throughput: integrated auto load, auto retract, auto prime and auto syringe sensing

  - Enhanced syringe design for quick, easy install and detachment

  - Remote check for air confirmation button on injector head; remote arming at injector head

  - Pressure monitor graph and flow profile preview

  - Up to 6 phases, including pause and hold capabilities

  - Programmable pressure limit

  - Color touch screen

  - Available in either ceiling counterpoise or pedestal-mount configurations

All Ceiling-Mount MEDRAD Injectors require catalog #E8007PJ.

Cat#	Description	List Price	Warranty
Injectors			
E8007NH	Pedestal-Mount Injection System with DualFlow	$42,000.00	E
E8007NJ	Ceiling-Mount (Long Post – ceiling height: 10 ft. 6 in. - 12 ft.) Injection System w/DualFlow REQUIRES E8007PJ Mounting Plate be added to the order	$47,500.00	E
E8007PP	Ceiling-Mount (Medium Post – ceiling height: 9 ft. 0 in. – 10 ft. 6 in.) Injection System w/DualFlow REQUIRES E8007PJ Mounting Plate be added to the order	$47,500.00	E
E8007NG	Ceiling-Mount (Short Post – ceiling height: 8 ft. 2 in. – 8 ft. 10 in.) Injection System w/DualFlow REQUIRES E8007PJ Mounting Plate be added to the order	$47,500.00	E
E8007NW	Stellant D w/DualFlow Mobile CT Injection System	$51,500.00	E
Injector Accessories			
E8007PJ	Mounting Plate for Overhead Counterpoise System (OCSIII)	$650.00	B
E8007PG	Stellant OCS Installation by MEDRAD	$3,500.00	E
E8007PH	Stellant Pedestal Injector Installation by MEDRAD	$2,600.00	E
Syringes and Supplies			
E8006RB	Stellant D & D w/DualFlow Dual Syringe Quad-Pak w/Spike (20/box) (SDS-CTP-SPK)	$535.00	H
E8006RC	Stellant D & D w/DualFlow Dual Syringe Quad-Pak w/Quick Fill Tube (20/box) (SDS-CTP-QFT)	$485.00	H
E8006RD	Stellant Sx* D & D w/DualFlow Swabbable-Valve Transfer Set (50/box) (SVTS)	$475.00	H

MEDRAD Stellant D Injection Systems

- Stellant D features saline flush capability. It also allows users to test vein accesses with saline; prime patient tubing with saline to save contrast

- Both models include:

  - Automation features to help maximize throughput: integrated auto load, auto retract, auto prime and auto syringe sensing

  - Enhanced syringe design for quick, easy install and detachment

  - Remote check for air confirmation button on injector head; remote arming at injector head

  - Pressure monitor graph and flow profile preview

  - Up to 6 phases including pause and hold capabilities

  - Programmable pressure limit

  - Color touch screen

  - Available in either ceiling counterpoise or pedestal-mount configurations

All Ceiling-Mount MEDRAD Injectors require catalog #E8007PJ.

Cat#	Description	List Price	Warranty
Injectors			
E8007NC	Pedestal-Mount Injection System	$36,750.00	E
E8007NF	Ceiling-Mount (Long Post – ceiling height: 10 ft. 6 in. - 12 ft.) Injection System REQUIRES E8007PJ Mounting Plate be added to the order	$42,000.00	E
E8007PN	Ceiling-Mount (Medium Post – ceiling height: 9 ft. 0 in. – 10 ft. 6 in.) Injection System w/DualFlow REQUIRES E8007PJ Mounting Plate be added to the order	$42,000.00	E
E8007ND	Ceiling-Mount (Short Post – ceiling height: 8 ft. 2 in. – 8 ft. 10 in.) Injection System REQUIRES E8007PJ Mounting Plate be added to the order	$42,000.00	E
E8007NT	Stellant D Mobile CT Injection System	$45,220.00	E
Injector Accessories			
E8007PJ	Mounting Plate for Overhead Counterpoise System (OCSIII)	$650.00	B
E8007PG	Stellant OCS Installation by MEDRAD	$3,500.00	E
E8007PH	Stellant Pedestal Injector Installation by MEDRAD	$2,600.00	E
E8007NP	Stellant D DualFlow Upgrade Kit	$7,100.00	E
Syringes and Supplies			
E8006RB	Stellant D & D w/DualFlow Dual Syringe Quad-Pak w/Spike (20/box) (SDS-CTP-SPK)	$535.00	H
E8006RC	Stellant D & D w/DualFlow Dual Syringe Quad-Pak w/Quick Fill Tube (20/box) (SDS-CTP-QFT)	$485.00	H
E8006RD	Stellant Sx D & D w/DualFlow Swabbable-Valve Transfer Set (50/box) (SVTS)	$475.00	H

Contrast Media Injectors

MEDRAD Stellant Injection System with Integrated CT Communication

GE's Enhanced Xtream Injector option can now be coupled with MEDRAD's Stellant CT Injector to provide clinicians with a simplified and integrated imaging solution. The result is simplified CT scanning that enables improved bolus timing and helps optimize workflow.

Intelligent, Intuitive and Innovative

MEDRAD's 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 is consistently reliable, easy to use, and offers enhanced safety features, from the dual-syringe capability, automation features, to the Enhanced Xtream injector interface.

Integrated Communication Advantages

The MEDRAD Stellant CT Injection System is validated for use with GE's Enhanced Xtream Injector option on selected scanners – enabling CAN Class 4 functionality for seamless communication. The resulting injector and CT scanner integration benefits include:

- Reduced overall programming time
- Improved scanner and injector protocol matching through programming of the injector from the scanner console
- Better control of contrast enhancement, since the contrast injection and CT scan start time are synchronized
- Efficient documentation of the injection results in PACS with automatic transfer of contrast injection results

Cat#	Description	List Price	Warranty
E8037NH	MEDRAD Stellant D Dualflow Pedestal Mount ISI Ready with Integrated CT Communication	$52,625.00	E
E8037NG	MEDRAD Stellant D Dualflow Ceiling Mount for Short Post ISI Ready with Integrated CT Communication	$58,125.00	E
E8037PP	MEDRAD Stellant D Dualflow Ceiling Mount for Medium Post ISI Ready with Integrated CT Communication	$58,125.00	E
E8037NJ	MEDRAD Stellant D Dualflow Ceiling Mount for Long Post ISI Ready with Integrated CT Communication	$58,125.00	E
For Upgrades			
E8007CB	MEDRAD Stellant Integrated Injector ISI 900 (Upgrades for E8007NG, E8007NH, E8007NJ, E8007PP Injectors Only)	$10,625.00	E

MEDRAD XDS™ Extravasation Detector Technology for the Stellant CT Injection System

- Directly senses contrast or saline pooling under a patient's skin during a CT procedure
- XDS uses radiofrequency (RF) waves to reliably detect an extravasation and stop the injection
- The patented XDS technology is designed to prevent moderate to severe extravasations
- XDS Patient Interface Disposables are designed to allow easy and consistent positioning of the XDS sensors

Cat#	Description	List Price	Warranty
E8007NK	MEDRAD XDS Extravasation Detector Technology	$16,000.00	H

MEDRAD Stellant Sx Injection Systems

- Stellant Sx is a single, contrast-only CT injection system designed for fast-paced CT sites that require maximum patient throughput
- Models include:
  - Automation features to help maximize throughput: integrated auto load, auto retract, auto prime and auto syringe sensing
  - Enhanced syringe design for quick, easy install and detachment
  - Remote check for air confirmation button on injector head; remote arming at injector head
  - Pressure monitor graph and flow profile preview
  - Up to 6 phases, including pause and hold capabilities
  - Programmable pressure limit
  - Color touch screen
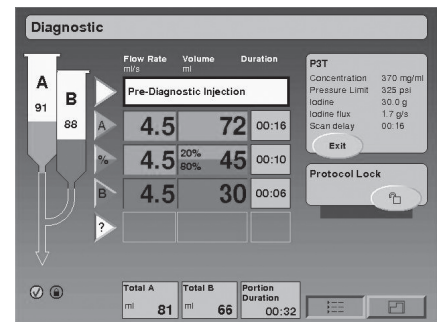 - Available in either ceiling counterpoise or pedestal-mount configurations

All Ceiling-Mount MEDRAD Injectors require catalog #E8007PJ.

Cat#	Description	List Price	Warranty
Injectors			
E8007NA	Pedestal-Mount Injection System	$28,000.00	E
E8007NE	Ceiling-Mount (Long Post – ceiling height: 10 ft. 6 in. – 12 ft.) REQUIRES E8007PJ Mounting Plate be added to the order	$33,000.00	E
E8007PK	Ceiling-Mount (Medium Post – ceiling height: 9 ft. 0 in. – 10 ft. 6 in.) Injection System w/DualFlow REQUIRES E8007PJ Mounting Plate be added to the order	$33,000.00	E
E8007NB	Ceiling-Mount (Short Post – ceiling height: 8 ft. 2 in. – 8 ft. 10 in.) Injection System REQUIRES E8007PJ Mounting Plate be added to the order	$33,000.00	E
E8007NS	Stellant Sx Mobile CT Injection System	$36,000.00	E
Injector Accessories			
E8007PJ	Mounting Plate for Overhead Counterpoise System (OCSII)	$650.00	B
E8007NR	Stellant Sx to D Dual Head Upgrade Kit	$15,500.00	E
E8007PG	Stellant OCS Installation by MEDRAD	$3,500.00	E
E8007PH	Stellant Pedestal Injector Installation by MEDRAD	$2,600.00	E
Syringes and Supplies			
E8006RE	Stellant Sx Single Syringe Tri-Pak w/Spike (50/box) (SSS-CTD-SPK)	$885.00	H
E8006RF	Stellant Sx Single Syringe Tri-Pak w/Quick Fill Tube (50/box) (SSS-CTP-QFT)	$825.00	H
E8006RD	Stellant Sx D & D w/DualFlow Swabbable-Valve Transfer Set (50/box) (SVTS)	$475.00	H

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Contrast Media Injectors

MEDRAD P3T® for Stellant D CT Injectors

- Enables generation of individualized contrast injection protocols, customized to the patient
- Utilizes the power of DualFlow technology (simultaneous injection of contrast and saline) to obtain functional cardiac data
- Helps provide consistency amongst clinicians
- Used with CT angiography of cardiac structures, coronary arteries, chambers of the heart, thoracic and abdominal aorta, and pulmonary vasculature
- Available on the MEDRAD Stellant D CT Injection System

	Cat#	Description	List Price	Warranty
NEW	E8007PT	MEDRAD P3T Cardiac Option	$5,300.00	H
NEW	E8007PS	MEDRAD P3T Abdomen Option	$5,500.00	H
NEW	E8007BA	MEDRAD P3T PA Pulmonary Angiography Option	$5,500.00	H

MEDRAD Connect PACS

Connect.PACS is a radiology informatics application that integrates each patient's CT contrast injection record with the associated clinical image set stored in PACS.

- Communicates to radiologists contrast injection protocol details associated with the CT images stored on PACS
- Enables radiologists to improve protocols by retrospectively analyzing contrast injection protocols along with the associated image set
- Automatically records consistent data throughout all shifts, and eliminates the need to manually enter or scan contrast information into PACS
- Facilitates and simplifies the processes associated with Joint Commission compliance
- Reduces discrepancies in reconciling dictated patient records with contrast-enhanced CT billing and record keeping
- Facilitates robust reporting and analysts to identify new improvement opportunities such as reducing contrast waste, increasing productivity and reducing atypical injection events
- AutoCapture instantly transfers contrast injection information from the Stellant CT Injector

- AutoMatch integrates injection information with study information including patient ID, name and accession number available from the scanner
- ArchiveTransfer automatically pushes injection information to the PACS archive
- Access enables visibility into aggregated contrast injection information from any PC connected to your hospital network
- Robust Reporting capabilities provide visibility into contrast injection and management metrics as well as atypical injection events
- Data Export enables data to be exported into spreadsheets for more detailed analysis and reporting
- Print options include the ability to print to any standard printer on the network, or to a label printer
- Security and compliance safeguards are provided through features including authentication, access control and audit control

	Cat#	Description	List Price
NEW	E8007BB	MEDRAD Connect.PACS	$36,000.00

ACIST® Empower CTA Double Barrel Injector

The ACIST CTA injector provides the ability to inject a saline chase and also has a patented extravasation detection accessory (EDA). This may help to protect patients from extravasations (E8005JD and E8005JE).

Design Enhanced Productivity

- IRiSCT Contrast Management tool. Automatically captures and consolidates essential contrast and syringe usage data

- Full rotation of injector head, either to the right or left a full 270,° allows use from either side of the gantry or table

- The injector controls swivel and remains vertical at all times. The LED display is bright with high contrast and easy-to-see screen even at sharp angles

- Well-labeled buttons and matching lights – color-coded syringe identification system

- Arming at the injector enhances efficiency and throughput by allowing operator to arm injector in CT room. Great feature for small hospitals, imaging centers or facilities that operate CT rooms with one individual

Safety Features

- Patented EDA helps detect estravasation events

- Tilt sensor/lockout helps reduce possible injection of air embolus

- Dual pressure displays at injector head and remote for easy monitoring

- Voice prompts announce status of injection details for operator

Cat#	Description	List Price	Warranty
E8005JF	Pedestal-Mount Injector	$34,750.00	E
E8005JG	Ceiling-Mount Injector	$38,750.00	E
E8005JD	Pedestal-Mount Injector w/EDA	$36,750.00	E
E8005JE	Ceiling-Mount Injector w/EDA	$40,750.00	E

Contrast Media Injectors

ACIST Empower CT Injector

- Extravasation detection: ACIST Extravasation Detection Accessory (EDA) technology can help detect extravasations
- Pendant Switch: Puts convenient "on/off" procedure control in your hand
- Injector Knob: Provides an easy means of manually advancing the syringe to eliminate air from the line and for checking patient patency; rotates to offer a highly visible indication that injection is in progress
- Tilt Sensor/Lockout: Injector head tilts in either direction for easy positioning prior to injection; helps minimize air embolism risk
- Syringe Fill Options: Choose auto or manual syringe filling or preload syringes with your choice of contrast
- Injector Controller: Syringe filling, removal and monitoring – even system arming and flow rate manipulation – can be controlled at the injector head

Cat#	Description	List Price	Warranty
E8005J	ACIST Empower CT Injector – Pedestal-Mount	$20,000.00	E
E8005JB	ACIST Empower CT Injector w/EDA – Pedestal-Mount	$21,500.00	E

E-Z-EM™ Protocol™ Colon Insufflator for Virtual Colonoscopy

E-Z-EM has an Automated Carbon Dioxide Insufflation System for Virtual Colonoscopy.

- Patient Comfort – Carbon dioxide is readily absorbed into the bowel and may improve patient comfort after the procedure, compared with room air insufflation. Helps ensure patient safety through redundant pressure relief valves and automatic flow stop features, which protects against over-insufflation. A choice of tips for rectal administration allows the practitioner to select the most comfortable tip for the patient
- Consistent Insufflation – Automated insufflation to a constant pressure helps take the guesswork out of determining the endpoint. Regulated pressure gently distends the colon. Volume display allows the monitoring and recording of the volume of carbon dioxide used, unlike room air insufflation, where it is impossible to judge the amount of air introduced
- Productivity – Automated insufflation may decrease the demands on staff time
- E8005JL package includes the PROTOCOL Colon Insufflator Accessory Cart

Cat#	Description	List Price	Warranty
E8005JL	E-Z-EM PROTOCOL Colon Insufflator Package	$11,349.00	E

MR Injectors

MEDRAD Spectris® Solaris EP MR Injector with Integrated Continuous Battery Charger

- Injector:
  - Designed for use in all MR scanner field strengths up to and including 3T
  - Longer battery life with increased capacity
  - Integrated battery charger
  - Independent KVO (Keep Vein Open) allows patient to be prepared before beginning the scan and to move from non-contrasted to contrasted scan
- Larger 115 ml saline syringe for longer KVO or multiple flushes
- Optimized touch screen with fewer keystrokes
- Six user-programmable phases for added flexibility
- Fiber optic cable for direct and reliable communication
- Mobile Injector:
  - Same benefits and features as the Solaris EP, validated for the MR mobile imaging environment
- Solaris EP Accessories:
  - Integrated Continuous Battery Charger (ICBC)
  - Syringe loader
  - Handswitch

- MRI Disposable Kit for MEDRAD Solaris EP Injector – consists of:
  - (2) FLS syringes with a fluid delivery device
  - (1) 115 ml Qwik-Fit Syringe* for saline
  - (1) 65 ml Qwik-Fit Syringe for contrast
  - (1) large spike, (1) small spike
  - (1) 96 in. low pressure connector tube with T-connector and check valve
  - Packaged 50 disposable kits per case

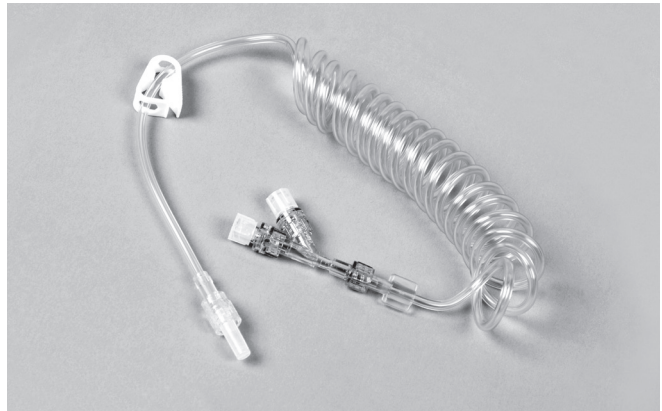| Cat#	Description	List Price	Warranty
Injectors			
E8804SB	MEDRAD Spectris Solaris EP Injection System	$49,375.00	E
E8804SN	MEDRAD Spectris Solaris EP Injection System for Mobile	$57,000.00	E
Injector Accessories			
E8804SZ	MR Solaris EP ICBC	$2,700.00	H
E8804SR	MEDRAD Solaris EP Installation	$2,900.00	N/A
Syringes and Supplies			
E8804SA	MRI Disposable Kit for MEDRAD Solaris (50/case)	$1,400.00	H

CM

Contrast Media Injectors

SmartSet for MRI or MRA Contrast Injection

TopSpins Handheld MR Injection System SmartSet (Side Port Availability)

• Enhances the reliability of bolus timing

• Helps minimize the bolus gap during the switch of gadolinium to saline flush

• Tubing designed specifically for the dynamic gadolinium injections of MRA or MRI

• Swivel Lock to help prevent IV separation from angio catheter

• Two inputs for simultaneous attachment of contrast and flush syringes

• Check valves automatically switch between contrast and flush

• Kink resistant, adjustable length, transparent, latex-free

TopSpins MR Adapter

• Connects to standard IV extension tubing of any length

• Luer Lock to help prevent separation from IV tubing

Cat#	Description	List Price	Warranty
E8804LA	TopSpins SmartSet	$900.00	H
E8804LB	TopSpins MR Adapter	$500.00	H
E8804LC	TopSpins SmartSet w/Side Port (15/case)	$450.00	H
E8804LD	TopSpins SmartSet w/Side Port (30/case)	$825.00	H

Angio, Vascular and Interventional Injectors

MEDRAD Mark 7 Arterion Injector

The Mark 7 Arterion™ is light, maneuverable and easy to use. Less time positionir and setting up the Arterion means more time with the patient. The clearly visible and intuitive user interface guides you through proper set-up, and highlights the information you need to perform injections confidently.

- Ergonomic handle for easier maneuverability
- Front load syringe for simple insertion and clean removal
- Syringe provides a clear view of the contrast
- Light injector head with a handle to make it easier to position for injection
- Smooth arc design of pedestal for extended reach
- Small footprint which increases mobility around a busy lab
- Bright and colorful intuitive user interface is designed to highlight the information you need
- Highlighted armed state to know when the system is ready to inject
- History and protocol screens to easily access the amount of contrast delivered to the patient and store and recall protocols

	Cat#	Description	List Price	Warranty
NEW	E7018HA	Mark 7 Arterion injector on integrated pedestal with installation and warranty (GE Innova package)	$45,000.00	E
NEW	E7018HC	Mark 7 Arterion injector on integrated pedestal with installation and warranty (GE OEC package)	$45,000.00	E
NEW	E7018HD	Mark 7 Arterion injector on table mount with installation and warranty (GE OEC package)	$47,000.00	E

Contrast Media Injectors

ACIST® CVi® Contrast Delivery System

An advanced variable rate contrast injection system developed for use in cardiac and vascular angiography procedures, including coronary, ventricle, aorta and peripheral vasculatures. The CVi system is designed to replace the lab's hand manifold and power injector which means efficiency and ease of operation for the physician and staff. The responsive variable rate delivery of contrast provides quality imaging with less contrast used and delivered to the patient.

Use of the system's AngioTouch® hand controller allows real-time, responsive control of contrast delivery – from a puff to a full injection. It also helps minimize radiation dose to the staff because the hand controller allows the operator to step back from the radiation source.

Key features include:

- AngioTouch hand controller facilitates real-time, responsive control of contrast, contributing to reduced contrast dosage while providing quality images

- Air column detection sensor stops injection if air is detected, alerting operator of potential safety concern

- Automatic syringe-refill and air purge reduce operator steps, providing ease of operation and efficiency

- Integrated pressure transducer provides continuous hemodynamic monitoring, automatically sending real-time readings to lab monitors

- Touch screen interface provides easy set up of injection parameter limits, tracking contrast delivered while providing monitoring information and system alerts

Cat#	Description	List Price	Warranty
E7016NC	ACIST CVi Contrast Delivery System - Pedestal or Table Mounted	$36,250.00	E
E7016NE	ACIST CVi Contrast Delivery System - Pedestal Mounted	$35,600.00	E
E7016NH	ACIST CVi Contrast Delivery System - Table Mounted	$35,600.00	E

MEDRAD Avanta™ Injection Systems

MEDRAD Avanta is an advanced fluid management system that is flexible enough for multiple cardiac imaging applications; coronary, ventriculograms and aortograms, and more. This system is intended to inject contrast in variable mode at low flow rates and low pressures for coronary and small vessels, fixed mode at high flow rates and high-pressure injections for larger vessels and peripherals, and fixed mode for saline flushing. Of course, in MEDRAD tradition, the MEDRAD Avanta has been designed with safety, ease-of-use and reliability in mind.

- Enhanced Safety:
  - Precise control of coronary injection, especially with small catheters
  - Accurate injection pressure control with user-adjustable pressure limits
- Ease-of-use:
  - Easy-to-read, color touch screen with On-screen Tutorial for simplified set-up
  - Multi-patient disposables (up to 5 patients)

- Precision:
  - Distinct bolus sharpness feature
  - Exact variable and fixed-flow delivery with increased accuracy and responsiveness with hand controller (when compared to hand injection)
  - Automatic transition from injection to hemodynamic state
- Flexibility:
  - Pedestal or table mount with independent mounting of display and injection unit

Cat#	Description	List Price	Warranty
E7018MA	Avanta Pedestal-Mount Injection System	$58,000.00	E
E7018MB	Avanta Table-Mount Injector and 90 ft. TIF	$61,000.00	E

MEDRAD Mark V ProVis® Injection Systems

- Mechanical stop to minimize risk of over-injection
- Articulating arm extends reach for ease in positioning close to patient
- Height-adjustable arm for ease in loading syringes
- Rotating, tilting control panel is easy to see and read from almost any position in the room
- Multiple syringe configurations (60/150, 150/150 or 200/200 ml) help to match the right syringe size with the patient and procedure – choose either 150 or 200 ml dual syringe capacity
- Floor-, ceiling- or wall-mount options add flexibility
- Segmented control panel is easy to learn and operate
- "One Touch" enable button, and variable speed control, for faster loading and easier delivery

All Ceiling-Mount MEDRAD Injectors require catalog #E8007PJ.

Cat#	Description	List Price	Warranty
Injectors			
E7018JP	Pedestal-Mount Injection System	$27,000.00	N/A
E7018JR	Table-Mount Injection System w/Remote Keyboard	$32,000.00	N/A
E7018JT	Ceiling-Mount Injection System REQUIRES E8007PJ Mounting Plate be added to the order	$36,000.00	N/A
E9200AD	Ceiling-Mount Injection System and Track REQUIRES E8007PJ Mounting Plate be added to the order	$40,000.00	N/A
E7018LM	Pedestal Injection System for Mobile Applications	$38,000.00	N/A
E7018JN	Table-Mount Injector w/Keyboard and Free-Standing Pedestal	$33,500.00	N/A
E7018JW	Movable Ceiling-Mount Injector	$35,000.00	N/A
Injector Accessories			
E7018JS	Interface Cable for OEC	$1,500.00	N/A
E7018JZ	Mavig 2.5m Track without Cable Spooler	$3,200.00	N/A
E8007PJ	Mounting Plate for Overhead Counterpoise System (OCSII)	$650.00	B
Syringes and Supplies			
E8006R	150 ml FasTurn™ Syringe with Tube	$475.00	E
E8006RL	200 ml Syringe QFT	$600.00	E