The Smart MR Injection System

BAYER

10.28mm

13.0 mL 75.0

medrad® MRXperion

Clear Direction. > **From Diagnosis to Care.**

medrad® MRXperion
MR Injection System

The Smart MR Injection System

BAYER

WARNING
· Embolism can result in injury or death.
· For syringes from Bayer.
· Expel air from syringe fluid path.
· Observe change in FluiDot indicators.
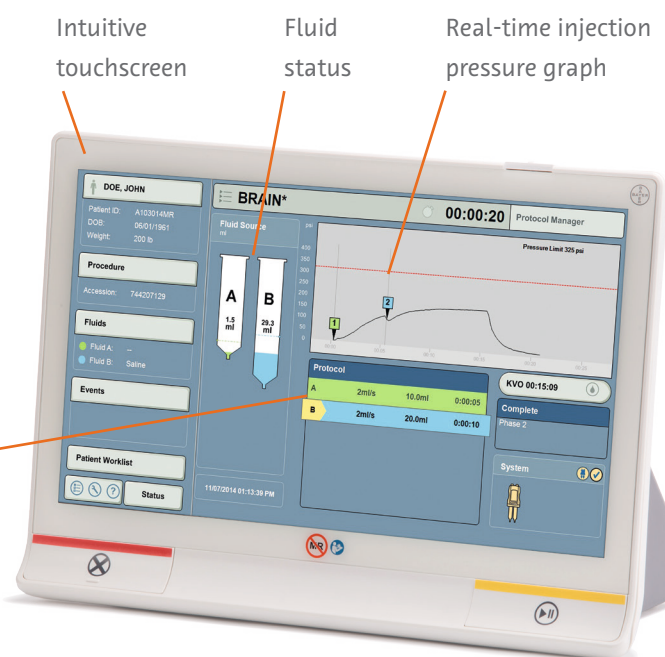
MEDRAD® MRXperion

Efficient. Smart.

The MEDRAD® MRXperion MR injection system has been designed to support you in providing efficient and accurate care.

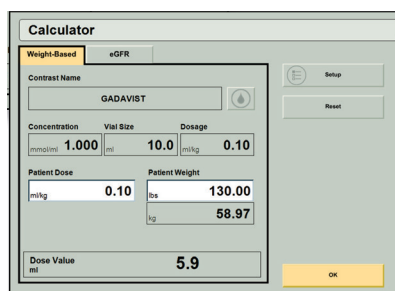- Snap & Go syringe design
- Auto Docking
- Auto Loading
- Auto Prime
- Auto Retract

- Convenience tray for syringe kit and supplies

- Complete injection control within scan room
- Illuminated fluid volume indicators

Intuitive touchscreen

Fluid status

Real-time injection pressure graph

Sequential phase status

- On-board eGFR calculators
- Weight-based dosing calculator

The Medrad MRXperion Workflow

Standard Workflow

Optimized Workflow with //Automated Documentation*

The new MEDRAD® MRXperion syringes with patented "snap & go" syringe design and the automated features simplify the preparation of the injector. It's easy to use and saves time.

Load

Smart ID (Barcode Reader) captures contrast media data.

On board eGFR and weight-based dosing calculators provide important information that you may use to improve patient safety through individualized protocols via an intuitive, user friendly interface.

Plan

Modality Worklist Import reflects the full patient data for examination planning.

The test injection and KVO (keep vein open) function, together with injection pressure graphs, facilitate the high-quality performance of MEDRAD® MRXperion.

Perform

PACS Interface automatically generates a secondary capture, including injection and patient data.

MR injection protocols can be stored for future reference ensuring consistent and repeatable results.

Report

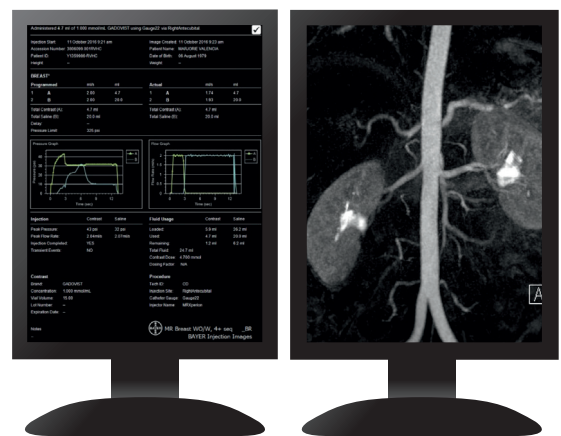**Dictation System Integration** automatically populates contrast and injection details.
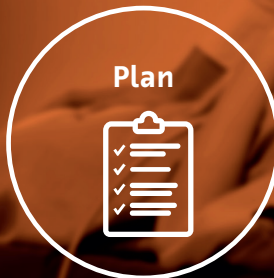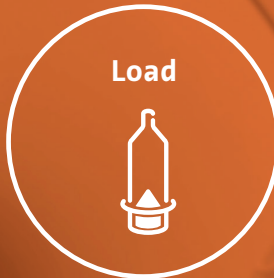
* Available as an option.

Innovation in MR.

Optimize your workflow with //Automated Documentation*
and create new dimensions in digital healthcare.

Barcode reader**

PACS Interface

Benefit from improved quality of your data

> Pull up patient data from the modality worklist
> Provide the right injection protocol for each patient
> Automatically capture contrast media information with the barcode reader

Access data where you need it

> Easily add all important injection and patient data to the patient's DICOM records
> Simplify your reporting process, while eliminating potential manual errors

Understand and analyze contrast usage

> Perform statistical analysis
> Centralize protocol management

Maximize uptime with VirtualCare™*

> With the inclusion of a VirtualCare™ remote support system, alerts are monitored
  and resolved proactively

* Available as an option.
** Available in select markets.

The Smart MR Injection System

Your Needs ❯ **Our Actions** ❯ **Innovative Solutions**

Enabling Workflow-Efficiency[1]

From the way the syringes are installed to the way in which patient and injection data is made available to be utilized, the MEDRAD® MRXperion syringes and automated documentation* solution have been designed to save you time.
This is efficient.

[1] using auto features of MRXperion

Increases Confidence[2]

Reduce manual work and potential errors with automated documentation*, while improving the accuracy and consistency of recorded protocols and associated data. MEDRAD® MRXperion gives you the confidence that you are acting on accurate information.
This is smart.

[2] dose is accurately delivered using MRXperion

Helping You Focus On the Patient[3]

The combination of all the innovative features of MEDRAD® MRXperion means one thing – allowing you to provide the best care possible for your patient.
This is MEDRAD® MRXperion.

[3] auto features of MRXperion help minimize injector preparation time

* Available as an option.

Specifications

Components	Dimensions
Control room unit	15.12" (38.4 cm) W
	10.76" (27.33 cm) H
	7.94" (20.17 cm) D
Scan room unit	23.30" (59.0 cm) W
	71.40" (181.0 cm) H
	23.30" (59.0 cm) D
Power supply	7.60" (19.0 cm) W
	3.40" (9.0 cm) H
	15.40" (39.0 cm) D
Electrical	
Voltage requirements	100−240 VAC
	(50/60 Hz)
	120−210 VA
Electrical leakage	Unit <100 microamperes
	Patient <100 microamperes
	Earth <500 microamperes
System capabilities	
Syringe capacities	**Syringe A**: 65 mL
	Syringe B: 115 mL
Programmable volume range (mL)	**Syringe A:** 0.5 mL to max syringe volume in: 0.1 mL increments from 0.5 mL to 31 mL 1 mL increments above 31 mL
	Syringe B: 1 mL to max syringe volume in 1 mL increments
Programmable flow range (mL/sec)	0.01 to 10 mL/s in: 0.01 mL/s increments between 0.01 and 3.1 mL/s 0.1 mL/s increments between 3.1 and 10 mL/s
KVO (keep vein open)	6 factory presets of 0.25 mL every 15, 20, 30, 45, 60 or 75 sec
Test inject	Configurable from 0.5 mL to 20 mL in 0.1 mL increments
Pressure range (psi)	6 factory presets from 100 to 325 PSI or, 690 to 2240 kPa
Injection/post injection reminders	Up to 5 settings of 1 sec to 20 minutes in 1 sec increments
Injection protocol storage	60 protocols up to 6 phases each

System capabilities *(continued)*	
Injection hold/pause	Up to 20 minutes in 1 sec increments
eGFR calculator	**For adults:** MDRD, Cockroft-Gault, Modified Cockroft-Gault and CKD-EPI methods
	For children: Bedside Schwartz method
Informatics connectivity capability	Yes, with optional Radimetrics™ Enterprise Platform*
Remote service capability	Yes, with optional VirtualCare™ Remote Support*
Mounting	Floor pedestal – includes integrated IV pole
Accessories	
IV Pole	Choice of single hook or double hook IV pole
Prefilled syringe adaptor	Choice of 4 different adaptors
Mobile clamp kit	Available for mobile MRI scanners
Ordering information	
Injector system	Catalog # MRXP 200: MEDRAD® MRXperion MR Injection System
Disposable syringe kit Dual syringe kit	Catalog # XP 65/115 VS: *Contents:* > 65 mL Qwik-Fit syringe for contrast media > 115 mL Qwik-Fit syringe for saline > One large spike for saline > One small spike for contrast media > 96" low pressure connector tube with T-connector and check valve
Single syringe kit	Catalog # XP 115 VS *Contents:* > 115 mL Qwik-Fit syringe for saline > One large spike for saline > 96" low pressure connector tube with T-connect or and check valve

* Radimetrics™ Enterprise Platform and VirtualCare™ Remote Support are options that can be ordered. They are not included as part of the base product.

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All patient data that appear in this document are fictitious. No actual patient information is shown.

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