

BAYER MEDRAD MRXPERION



ABOUT

The **Bayer Medrad MRXperion** MR injection system is designed to improve workflow efficiency and support consistent results in the MR suite. This system facilitates fluid management with features like automatic filling, programmable flow rates, and weight-based dosing calculators. Seamless integration with informatics platforms allows for effective data capture and operational consistency. Its ergonomic design ensures ease of use, with convenient controls and illuminated indicators to assist during procedures. The MRXperion is a dependable solution for enhancing patient care and optimizing clinical workflows.

FEATURES

Streamlined Workflow: Automatic syringe filling and priming, with snap-on/twist-off syringes for fast and easy setup.

Programmable Flow Rates: Adjustable in precise increments to accommodate various protocols.

Advanced Connectivity: Ability to integrate with the Radimetrics Enterprise Platform for automated documentation and patient data management.

Personalized Patient Care: Includes onboard calculators for weight-based dosing and eGFR to assist in tailored treatment plans.

Enhanced Usability: Illuminated fluid volume indicators, injection pressure graphs, and keep-vein-open (KVO) functionality for reliable operation.



INJECTION SPECIFICATIONS

Flow Rate:

- Programmable from 0.01 mL/s to 10 mL/s
- Increments:
 - 0.01 mL/s between 0.01 and 3.1 mL/s
 - 0.1 mL/s between 3.1 and 10 mL/s

Injection Pressure:

- Configurable from 100 to 325 psi (690 to 2240 kPa)
- 6 factory presets available

Injection Protocols:

- Stores up to 60 protocols, each with up to 6 phases

SPECIFICATIONS



DIMENSIONS AND WEIGHT

Control Room Unit

- Width: 15.12 in (38.4 cm)
- Height: 10.76 in (27.33 cm)
- Depth: 7.94 in (20.17 cm)
- Weight: 15.8 lb (7.2 kg)

Scan Room Unit

- Width: 23.30 in (59.0 cm)
- Height: 71.40 in (181.0 cm)
- Depth: 23.30 in (59.0 cm)
- Weight: 95.7 lb (43.4 kg)

Power Supply Unit

- Width: 7.60 in (19.0 cm)
- Height: 3.40 in (9.0 cm)
- Depth: 15.40 in (39.0 cm)
- Weight: 5 lb (2.3 kg)

ELECTRICAL SPECIFICATIONS

Voltage Requirements: 100-240 VAC (50/60 Hz)

Power Consumption: 120 VA to 210 VA

Electrical Leakage: Unit: < 100 microamperes;
Patient: < 100 microamperes; Earth: < 500 microamperes

SYRINGE CAPACITIES

Syringe A: 65 mL

- **Programmable Volume:** 0.5 mL to maximum volume in 0.1 mL increments (up to 31 mL), 1 mL increments above 31 mL

Syringe B: 115 mL

- **Programmable Volume:** 1 mL to maximum volume in 1 mL increments

INJECTION SPECIFICATIONS

Flow Rate: Programmable from 0.01 mL/s to 10 mL/s

- Increments: 0.01 mL/s between 0.01 and 3.1 mL/s; 0.1 mL/s between 3.1 and 10 mL/s

Injection Pressure: Configurable from 100 to 325 psi (690 to 2240 kPa); 6 factory presets available

Injection Protocols: Stores up to 60 protocols, each with up to 6 phases

ADVANCED FEATURES

Keep Vein Open (KVO): Configurable from 0.5 mL to 20 mL in 0.1 mL increments, with 6 factory presets

Test Inject Function: Allows preliminary injection testing before the procedure

Injection Hold/Pause: Configurable from 1 second to 20 minutes in 1-second increments

PATIENT-SPECIFIC CALCULATORS

eGFR Calculator: Supports MDRD, Cockcroft-Gault, Modified Cockcroft-Gault, and CKD-EPI for adults; Uses the Bedside Schwartz method for children

Weight-Based Dosing Calculator: Tailored for patient-specific dosing

CONNECTIVITY OPTIONS

Informatics Connectivity: Optional integration with Radimetrics Enterprise Platform for patient history and operational consistency

MOUNTING OPTIONS

Floor pedestal with integrated IV pole

Adjustable-height single hook or fixed-height double hook IV poles