

IV Infusion for MRI Just Got Better,
with Rapid Throughput and
Improved Options



Versatility. Safety. Now.

- Cleared for use on 1.5 and 3.0T scanners
- Increased flow rate to 1200 mL/hr
- Additional infusion mode, non-weight dose
- Integrated 20-60 mL syringe holder
- Bolus function with bolus weight and duration options for safe and accurate delivery
- Anti-Bolus feature prevents delivery of false bolus after a downstream occlusion is detected
- Additional measurement units for safe input without converting



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Performance. For life.[™]

"We have found that using Continuum infusion system saves us time by increasing throughput and decreasing patient handling time in our MR suite."



Standard System Configuration for Continuum MR Compatible Infusion System:

Catalog Number: CONTINUUM MRIP

- Two (2) Infusion Pumps
- Two (2) Battery Chargers
- Two (2) Mounting Brackets
- One (1) IV Pole
- Two (2) Standard Administration Kits
- One (1) Syringe Holder

Also available as one or three pump system

Continuum MR System Features

- System compatibility with scanners up to and including 3.0 Tesla at 2000 Gauss with castors locked
- Easy set up and operation
- Configurable to single, dual or triple channel delivery into a single line
- Continuous weight-base dosing (dose), and non-weight dose
 - Continuous flow
 - Rate: mL/hr
 - Volume: mL with Time Option
 - Weight-base dosing
 - Concentration units: mg/mL and U/mL
 - Dose units: mg/kg/min, or hr; mcg/kg/min, or hr; U/kg/min, or hr; mU/kg/min, or hr
 - Non-weight base dosing
 - Concentration units: mg/mL and U/mL
 - Dose units: mg/min, or hr; mcg/min, or hr; U/min, or hr; mU/min, or hr
- Anti-Bolus Function
- Keypad lockout
- User-definable:
 - Max flow rate and bolus limit
 - Occlusion Pressure
 - Bolus flow rate
 - Priming Volume from 20 mL to 60 mL, with a default of 40 mL
 - Air bubble size detection (Ultrasonic air sensor)
 - KVO Rate of 1 mL/hr to 5 mL/hr
 - Start Delay
- Red LED alarm indicator and audible alarm
- Alarms: Low and End battery, Pump unattended, Air in line, Down-occlusion, Program end, Missing key

Pump Specifications

Flow Rate Range	- 0.1 to 1200 mL/hr - 0.1 to 99.9 mL/hr in 0.1 mL increments
Volume	- 0.1 mL to 9,999 mL
Maximum Pressure	- 0.7 bar or 10 psi adjustable (high, normal, low)
Dimensions (H x W x D)	- 4.5" x 3.5" x 1.6", or 115 x 89 x 40 mm
Weight	- Pump-1lb. (280 grams); Standard System 39lbs. (17.8 kilograms)
Pump Mechanism	- Linear Peristaltic
Battery	- 1450 mA/hr, 7.2V Li-Ion, (rechargeable)
Battery Operation	- 24 hours at 15 mL/hr
Battery Charging	- 6 hours to full charge
Power Requirements	- 110-240 VAC, 50/60 HZ 0.12A
Memory Protection	- Current program and 250 event history log

MR Infusion Administration Set

The MEDRAD MR Infusion Administration Set incorporates integral free-flow protection, needle-free Y-site injection ports, coiled tubing for easy handling and an aseptic coupler for easy disconnection. The MEDRAD administration line easily attaches to the existing patient administration line or other fluid source.

Two Administration Sets are Available:

Set	Components	Catalog Number
Standard Kit (for single fluid channel delivery)	One (1) primary line, One (1) clip clamp	MIK 200A
Secondary Line (for addition of a second or third fluid channel)	One (1) secondary line	MIL 200B
Line	Length	Priming Volume
Primary Line	126 inches (3.20 m)	~10 mL
Secondary Line	29 inches (.74 m)	~5 mL

MEDRAD reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized MEDRAD representative for the most current information.

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The Malcolm Baldrige National Quality Award is our nation's premier award for performance excellence and quality achievement. Established in 1987 and named after the former Secretary of Commerce, the Baldrige Award recognizes exemplary achievements in seven areas: leadership, strategic planning, customer and market focus, measurement, analysis and knowledge management, human resource focus, process management and business results. The U.S. Commerce Department's National Institute of Standards and Technology (NIST) manages the Baldrige National Quality Program in close cooperation with the private sector. The award is traditionally presented by the President of the United States in a special Washington, D.C. ceremony.

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