

# OptiStar® Elite The Smart Choice for MR Imaging

## Workflow efficiency

### Dual syringe powerhead

Perform both single and dual syringe injections used in the most advanced MRI protocols.

### Versatile syringe options

Draw empty syringes outside the exam room or use Guerbet prefilled syringes.

### Enable from console or powerhead

Minimize delays by enabling the injector from either the powerhead or the control console.

### Multi-phase programming

Save up to 40 four-phase protocols.

### Auto Retract

Remove syringes quickly from the powerhead without waiting for rams to fully retract.

### Battery-free operation

Eliminate time and cost associated with battery charging and replacement.

### Versatile mounting options

Accomodate any site with pedestal, mobile, or ceiling mounting options.



## Patient comfort and care

### Volume precision down to 0.1 mL

Enables precise injections of lower doses of gadolinium.

### Patency Check® feature

Check for vein patency at patient side.

### Timing Bolus® feature

Verify protocol setting by easily performing a test injection.

### Variable drip mode

Switch between injection and drip mode to help ensure IV line patency throughout the procedure.

## Technical Specifications

<b>Flow Rate</b>	<b>A Side</b>
	60 mL syringes: 0.1–10.0 mL/sec 10, 15, 20 mL prefilled syringes: 0.1–8.0 mL/sec
	<b>B Side</b>
	60 mL single-use disposable syringes: 0.1–8.0 mL/sec 125 mL prefilled saline syringes*: 0.1–8.0 mL/sec

<b>Pressure Limit</b>	60 mL empty syringes: 150 psi
	10, 15, 20 mL prefilled syringes: 200 psi*
	125 mL prefilled saline syringes: 100 psi*

<b>Syringe Sizes</b>	60 mL empty syringes
	10, 15, 20 mL prefilled syringes*
	125 mL prefilled saline syringes*

\*Where available

<b>Volume</b>	<b>A Side</b>
	10 mL, 15 mL, and 20 mL syringe: 0.1 mL to 20.0 mL in increments of 0.1 mL 60 mL syringe: 0.1 mL to installed syringe size in increments of 0.1 mL
	<b>B Side</b>
	60 mL and 125 mL syringe: 0.1 mL to installed syringe size in increments of 0.1 mL

<b>Scan Delay</b>	0-60 seconds
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<b>Inject Delay</b>	0-300 seconds
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<b>Number of Phases</b>	4 plus 2 timing bolus phases
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<b>Phase Delay</b>	0-600 seconds + pause
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<b>Number of Phases</b>	40
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<b>Inject History</b>	Last 48 injected protocols
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<b>MR Compatibility</b>	Up to 3 Tesla
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## Syringes and Tubing

Code	Description	Size	Maximum Pressure	Qty/Box
801800B	MR Syringe (2) with Single Check Valve Y-Tubing and Filling Spikes	60 mL 229 cm (90")	300 psi	50 each
801801B	MR Syringe with Lateral Flow Needle	60 mL	300 psi	50 each
240002B	Y-Tubing, coiled with 2 Check Valves	152 cm (60")	350 psi	100 each
240003B	Coiled Tubing	152 cm (60")	350 psi	100 each
240005B	Y-Tubing, coiled with 2 Check Valves	230 cm (90")	300 psi	100 each



For sales, service and support, contact your local sales representative or call 1-877-729-6679. More information at [www.guerbet-us.com](http://www.guerbet-us.com).

The OptiStar® Elite MR Contrast Delivery System is a Class II Medical Device in the United States. For complete information about precautions and optimal usage conditions for this device, consult the full instructions for use supplied with each device or with your local Guerbet representative(s). Caution: US Federal Law restricts this device to sale by or on the order of a physician. OptiStar® Elite MR Contrast Delivery System is a registered trademark of Liebel-Flarsheim.

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