Optistar Elite injector system

Programmable Flow Rate
A Side
60ml syringes: 0.1 - 10.0 ml/sec
10, 15, 20ml syringes: 0.1 - 8.0 ml/sec

B Side
50ml and 125ml syringes: 0.1 - 8.0 ml/sec
60ml single-use, disposable syringes: 0.1 - 8.0 ml/sec

Programmable Volume
A Side
10ml, 15ml, and 20ml syringes: 1ml to 20ml
30ml and 60ml syringes: 1ml to installed syringe size

B Side
60ml syringe: 1ml to installed syringe size

Scan Delay
0 - 60 sec

Inject Delay
0 - 300 sec

Phases
6 including Timing Bolus™ feature

Programs
6 including Timing Bolus™ feature

Number of Programmes
40

Inject History
48

Product ordering information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M5200</td>
<td>Optistar Elite injector system</td>
</tr>
<tr>
<td>801800</td>
<td>Disposable Syringes Multipak (two 60ml syringes &amp; 90” Y tubing) Qty. 50</td>
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<tr>
<td>801801</td>
<td>Disposable Syringe 60ml Qty. 50</td>
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<tr>
<td>801106</td>
<td>Y Tubing Coiled 60” Qty. 100</td>
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<tr>
<td>801107</td>
<td>Y Tubing Coiled 90” Qty. 100</td>
</tr>
</tbody>
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Optistar Elite® MR Contrast Delivery System
An Evolution in Design for Improved Clinical Efficiency and Confidence

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Patency Check™
- The patency check feature allows the operator to inject saline at the maximum protocol flow rate to confirm a patent fluid pathway to the patient prior to contrast injection.
- A visual alert on the powerhead and on the control console provides a warning message when the programmed pressure limit engages due to a blockage during patency check.

Status line
- A status line banner displayed along the upper edge of the control console indicates each step of the set-up process. For example, a reminder message appears in the status line after loading the syringes to alert the operator to check for air in syringes and tubing before proceeding to the next step.

Variable drip mode
- Switch between injection and drip mode at any time, to help ensure IV line patency throughout the procedure.
- Adjustable flowrate, volume and interval.
- Displays remaining time and volume available for drip mode.

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Patient Care and Comfort
Confirms patent fluid pathway to aid in prevention of extravasation

Clinical Efficiency
Designed for enhancing examination outcomes and confidence

Enable from console
- The injector can be enabled from either the control room at the remote console, or from the powerhead, which may help minimise delays.

Multiple phase programming
- As many as four phases can be programmed for each injection protocol.
- As many as 40 injection protocols can be stored in memory.

Timing Bolus™
- This feature allows the operator to inject a specified amount of contrast medium during a test scan to determine optimum transit time of the imaging agent to the region of interest thus helping to maximise the diagnostic information.

3T compatible/non-ferrous dual powerhead
- The powerhead, power control unit, and remote stand are designed for use in the MR suite allowing setup and control of the injection at the patient’s side for a significant advantage in patient care.
- The console, remote start switch, and power supply are not designed for placement in the MR environment, and must be kept outside the magnet room.

Dual syringe powerhead
- Flexibility that provides either single or dual syringe injections used in the most advanced MRI protocols.

Work Flow Efficiency

Compatible with Optimark™ contrast medium in pre-filled syringes that can help you to...
- eliminate contrast medium syringe preparation and labeling
- ease inventory management
- reduce amount of disposed waste

Auto retract
- The auto retract sequence allows the operator to quickly remove both syringes from the powerhead without waiting for both rams to fully retract.

Colour LCD touchscreen
- The control console has touchscreen technology designed for easy operation.
- Simple, intuitive, graphic screen designs reduce training time for staff.

Battery free operating system
- Eliminates time and cost associated with battery charging and replacement.

Load empty syringes without using the powerhead
- When using glass bottles, operator can fill syringes outside the MR suite to avoid spilling contrast near the scanner.

For more information on Optimark contrast medium please consult the local Covidien Affiliate or its representatives.