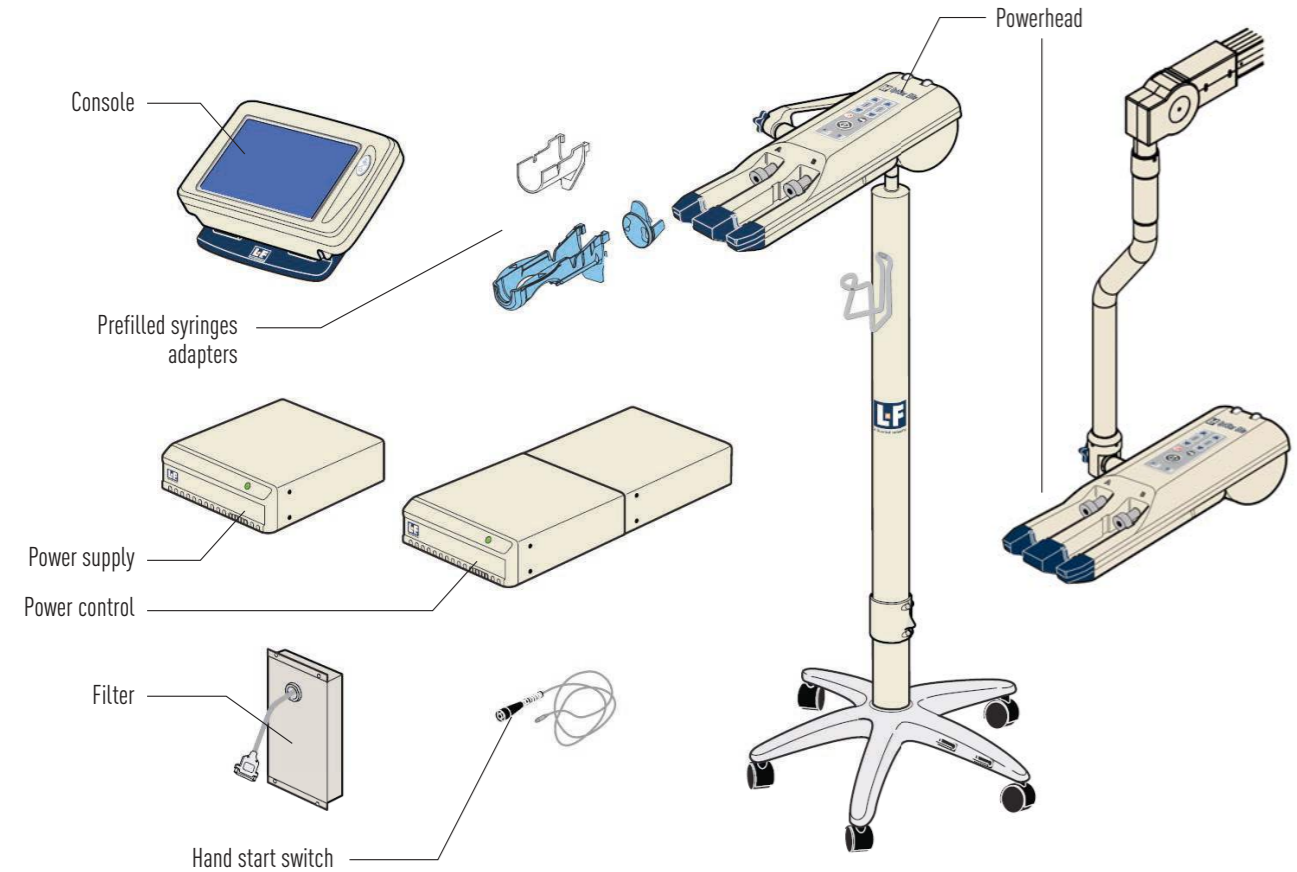


Technical specifications



Flow Rate

A Side

- 60 mL syringes: 0.1–10.0 mL/sec
- 10, 15, 20, 30 mL syringes: 0.1–8.0 mL/sec

B Side

- 60 mL single-use disposable syringes: 0.1–8.0 mL/sec
- 50, 125 mL prefilled saline syringes*: 0.1–8.0 mL/sec

Volume

A Side

- 10, 15, 20 mL syringes: 1 mL to 20 mL
- 30, 60 mL syringes: 1 mL to installed syringe size

B Side

- 60 mL syringes: 1 mL to installed syringe size
- 50, 125 mL prefilled saline syringes*: 1 mL to installed syringe size*

Pressure Limit

- 60 mL empty syringes: 150 psi
- 10, 15, 20, 30 mL prefilled syringes: 200 psi*
- 50, 125 mL prefilled saline syringes: 150 psi*

Syringe Sizes

- 60 mL empty syringes
- 10, 15, 20, 30 mL prefilled syringes*
- 50, 125 mL prefilled saline syringes*

Scan Delay

- 0–60 seconds

Inject Delay

- 0–300 seconds

Number of Phases

- 6 including Timing Bolus® feature

Phase Delay

- 0–600 seconds + pause

Number of programs

- 40

Inject History

- Last 48 injected protocols

MR Compatibility

- Up to 3 Tesla

Syringes are for single use only and marked accordingly
Use only LF disposables to ensure proper use of the OptiStar® Elite solution and to ensure warranty is still valid

*Volumes and presentations may differ from country to country. For complete information please refer to the local Summary of Product Characteristics.

OptiStar® injector is a medical device (Class: II b, CE0123) intended for use by medical imaging and diagnostic health professionals, for injection of contrast media and saline solutions during a MR exam.

DOTAcip is a prefilled syringe adapter to be used with the OptiStar® MR dual-head contrast delivery system. It is a medical device (Class I, CE) intended for use by healthcare professionals.

LF OptiStar® disposables are medical devices (Class: II a, CE0123).

For complete information about precautions and optimal usage conditions for these medical devices, we recommend consulting the instructions notices/user's manuals.

OptiStar & OptiStar® disposables: TÜV SÜD Product Service GmbH.

Manufacturer: Liebel-Flarsheim Company LLC, 2111 East Galbraith Road, Cincinnati, OH 45237, USA.

Contrast&Care®: medical device (Class I, CE) - Manufacturer: Medex, 240 Allée Jacques Monod, 69800 Saint-Priest, France.

LF™, OptiStar® Elite, Patency Check®, Timing Bolus®, Contrast&Care® & OptiProtect™ are trademarks of Guerbet. Patents pending and issued patents.

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Medical Devices	References	Picture	Description	Qty/Box
OptiStar® Elite injector pedestal	M5200 214727		Injector in pedestal version	1
OptiStar® Elite ceiling-mount	M5400 230943		Injector in standard length column Options: - long column - ceiling track mount	1
OptiStar® Elite mobile-mount	M5300 225877		Floor mount for mobile / ambulatory unit*	1
Adapter basic	802730 223662		Adapters for prefilled syringes 10/15/20mL* (2 units included with each injector)	1
Adapter DOTAcip	802930S 230945			1
Multipack	801800 223256		2x60mL syringes & spike, 1x Y-connector with 230 cm patient tube & single check valve (max. pressure: 200 psi)	50 each
Syringe	801801 223262		1x60mL syringe with lateral flow needle	50 each
Y-tubings	801106 223374		Y-tubing with single check valve 152 cm (max. pressure: 200 psi)	100 each
	801107 223255		Y-tubing with single check valve 229 cm (max. pressure: 200 psi)	100 each
Contrast&Care®	Ask your Guerbet Representative		Injection Management Solution	

*Presentations may differ from country to country. For complete information please refer to the local Summary of Product Characteristics

www.guerbet.com

To find out more, please contact your local Guerbet representative, or contact LF@guerbet.com



Reference
solution in MR

SIMPLE, EFFICIENT, SAFE

Contrast&Care
Availability by early 2019

Designed to work the way you work

The **OptiStar® Elite** is a dual-head contrast delivery system, perfectly fitting the need of healthcare professionals in the MR room. Thanks to its ultrasonic motor, the **OptiStar® Elite** is nonmagnetic and shows a very high level of long-lasting performances.

Simplicity

Quick & Simple

'One click' loading and auto-retract rams for efficient turnaround

Enhanced efficiency

Fully prepare syringes outside the MR room

NEW
in 2018

Newly designed ceiling system

- Choose **freedom**: select from standard column or track mount
- Uncompromising **safety**: specially designed to operate safely up to 3 Tesla (High Strength Aircraft Grade Aluminum Alloy); no cable on the floor

Colour touchscreen, uncluttered display

Console Enable

Minimize delays & maximize control

Clear indicators & status line



Efficiency

Powerhead keys

Control at your fingertips

Battery free

Batteries have tendency to be empty when you need them; eliminate associated time & cost

Prefilled compatible

Adapters for prefilled offers



Contrast&Care INJECTION MANAGEMENT SOLUTION

Collect, archive, review, analyse and share patient injection data, including contrast media data, adverse events, injector activity, eGFR information and other pre-examination alerts. Connectivity with your HIS/RIS/PACS

Availability by early 2019

Safety

Timing Bolus®

Test injection to determine the optimal scan delay

Patency Check®

Test the patient's vein prior to injection

Variable drip mode

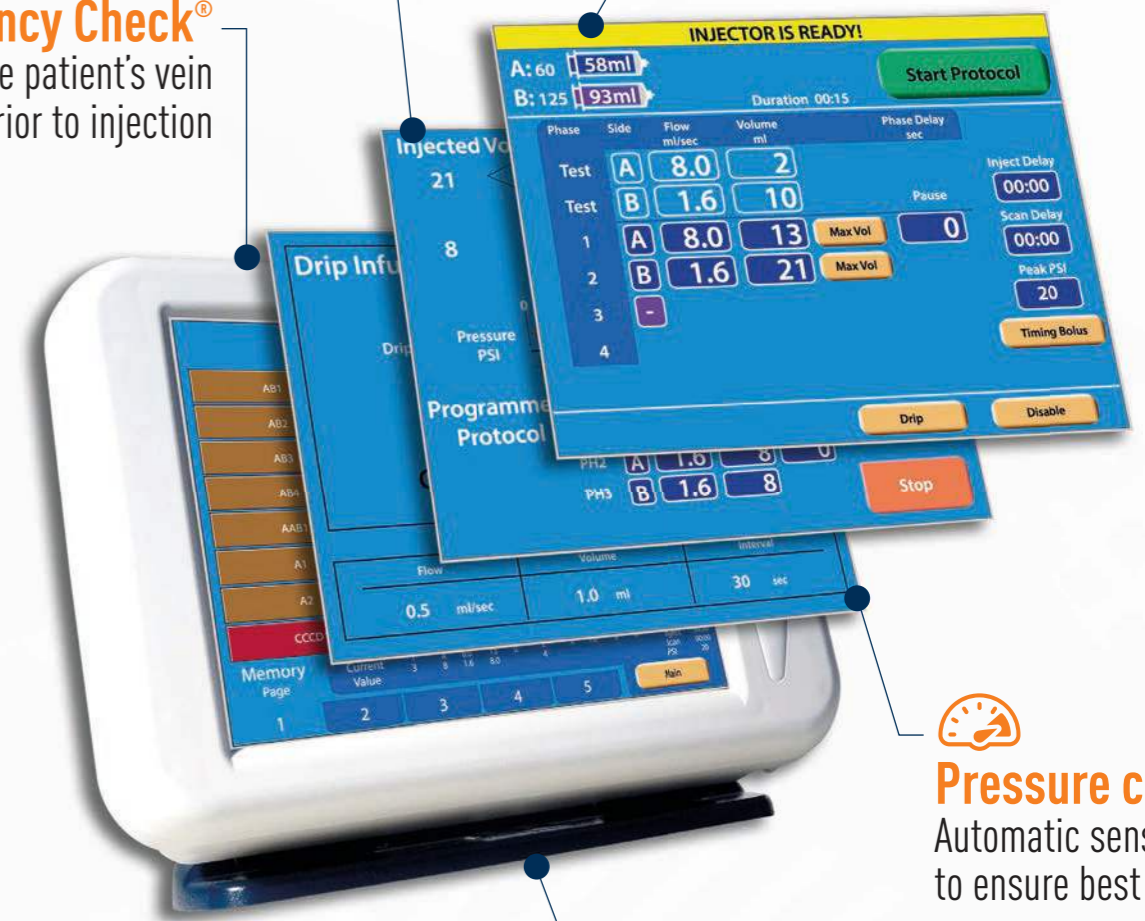
Maintaining the venous access

Pressure control

Automatic sensing & setting to ensure best security

Protocol

Up to 6 phases with Timing Bolus®, and more with injection & phase delays



Simple, Efficient, Safe... the **OptiStar® Elite** will allow you perform your MR exams in an optimized way, gaining from an easy process and specifically designed features