

#### References:

1. Endrikat J, Barbati R, Scarpa M, Jost G, Ned A. Accuracy and Repeatability of Automated Injector Versus Manual Administration of an MRI Contrast Agent – Results of a Laboratory Study. *Invest Radiol.* Jan 2018;53(1):1–5.
2. McDermott M, Kemper C, Barone W, Jost G, Endrikat J. Impact of CT Injector Technology and Contrast Media Viscosity on Vascular Enhancement: Evaluation in a Circulation Phantom. *Br J Radiol.* May 1 2020;93(1109):20190868.
3. Jost G, Endrikat J, Pietsch H. The Impact of Injector-Based Contrast Agent Administration on Bolus Shape and Magnetic Resonance Angiography Image Quality. *Magn Reson Insights.* 2017;10:1178623x17705894.
4. Bayer. Salient Operation Manual. 2019.
5. Cozzi A, Magni V, Zanardo M, Schiaffino S, Sardanelli F. Contrast-enhanced Mammography: A Systematic Review and Meta-Analysis of Diagnostic Performance. *Radiology.* 2022;302(3):568–581. doi:10.1148/radiol.211412.
6. Bicchierai G, Tonelli P, Piacenti A, De Benedetto D, Boeri C, Vanzi E, Bianchi S, Cirone D, Kaur Gill M, Miele V, Nori J. Evaluation of contrast-enhanced digital mammography (CEDM) in the preoperative staging of breast cancer: Large-scale single-center experience. *Breast J.* 2020;26(7):1276–1283. doi:10.1111/tbj.13766.
7. Houben IPL, Van de Voorde P, Jeukens CRLPN, Wildberger JE, Kooreman LF, Smidt ML, Lobbes MBI. Contrast-enhanced spectral mammography as work-up tool in patients recalled from breast cancer screening has low risks and might hold clinical benefits. *Eur J Radiol.* 2017;94:31–37. doi:10.1016/j.ejrad.2017.07.004-6.
8. WHO. Current and future burden of breast cancer: global statistics for 2020 and 2040. Accessed April 2025. <https://www.iarc.who.int/news-events/current-and-future-burden-of-breast-cancer-global-statistics-for-2020-and-2040/#:~:text=Breast%20cancer%20is%20the%20most,between%20countries%20and%20world%20regions>.
9. Chang L, Weiner LS, Hartman SJ, Horvath S, Jeste D, Mischel PS, Kado DM. Breast cancer treatment and its effects on aging. *J Geriatr Oncol.* 2019;10(2):346–355. doi:10.1016/j.jgo.2018.07.010.

Bayer reserves the right to modify the specifications and features described herein or to discontinue any product or service identified in this publication at any time without prior notice or obligation. Please contact your authorized Bayer representative for the most current information.

The patient data that appear in this document are fictitious protected health information (PHI) and/or actual PHI from which all personally identifiable information (PII) has been removed or otherwise anonymized. No personally identifiable information is shown.

Bayer, the Bayer Cross, MEDRAD Salient, MEDRAD, and Salient are trademarks owned by and/or registered to Bayer in the U.S. and/or other countries. Other trademarks and company names mentioned herein are properties of their respective owners and are used herein solely for informational purposes. No relationship or endorsement should be inferred or implied.

© 2025 Bayer. This material may not be reproduced, displayed, modified or distributed without the express prior written consent of Bayer.

## See the Possible. Create the Future.

> BAYER IN RADIOLOGY



#### Bayer A/S

Arne Jacobsens Allé 13  
DK-2300 København S  
Danmark

more info on:  
[www.radiology.bayer.dk](http://www.radiology.bayer.dk)



#### Manufacturer

Bayer Medical Care Inc.  
1 Bayer Drive  
Indianola, PA 15051-0780  
U.S.A.  
Phone: +1-412-767-2400  
+1-800-633-7231  
Fax: +1-412-767-4120



#### Authorized European Representative

Bayer Medical Care B.V.  
Avenue Céramique 27  
6221 KV Maastricht  
The Netherlands  
Phone: +31 (0) 43-3585602  
Fax: +31 (0) 43-3656598





# Bringing Simplicity to Contrast Enhanced Mammography (CEM)

**MEDRAD®** Salient  
Contrast Injection System

# Clear Direction With MEDRAD® Salient

The MEDRAD® Salient Single System has been engineered to combine innovation and mobility in order to bring simplicity and reliability to your suite.



## Simplicity

- Intuitive, icon-driven interface
- Flexible workflow and software architecture
- Single-action syringe loading
- Minimal installation with battery operation for total mobility



## Reliability

- Dependable, reproducible flow rates and pressures that can consistently deliver injection protocols
- Provides a maximum pressure up to 300 psi and up to 10 mL/s
- Power injection enables accurate and repeatable contrast administration<sup>1-4</sup>

**“The main strengths and benefits are: speed, ease of programming and the wireless connection that allows it to move around the CT room .”**

*Technologist, private practice, Colombia about Salient*

Value Range Injector Needs Report (2020)



## **Your Partner for Contrast-Enhanced Mammography<sup>5-7</sup>**

Salient can support a wide range of procedures, including contrast-enhanced mammography (CEM).

Several research studies demonstrate<sup>5-7</sup> the efficacy and importance of CEM in breast cancer detection and management. CEM can facilitate early diagnosis of breast cancer, which is crucial to providing optimal treatment options. Breast cancer is the most commonly diagnosed cancer globally,<sup>8</sup> but with early detection and intervention, it is also one of the most treatable.<sup>8</sup>

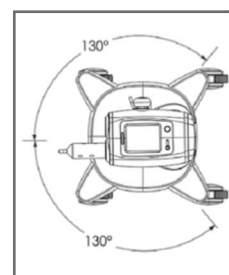
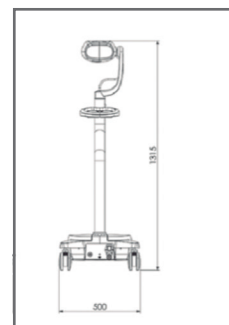
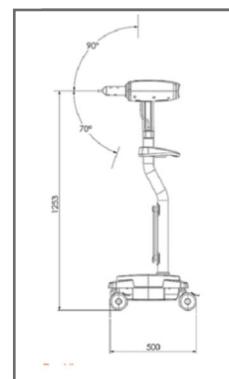




## Main Features and Benefits



### Dimensions





## Versatility in Your Suite

The straightforward design of Salient offers flexibility for your daily operations.

- Cordless configuration:  
Helps keep floor free of cords for a safer clinical environment
- Compact design:  
Enhances mobility  
Enables easy transport and storage
- Extensive Applications:  
Easily performs CEM injection protocols\*
- Customized protocols:  
Allows customized protocols – up to six phases  
Saves up to 20 customized injection protocols



## Additional Tools for Enhanced Efficiency

In addition to Salient Single can be further tailored with the following accessories and features:

- Wireless control room monitor
- Available scanner interface: ISI2
- Protocol Assistant Tool (PAT)
- Assurance: Salient has indications for x-ray diagnostic procedures, including CEM.



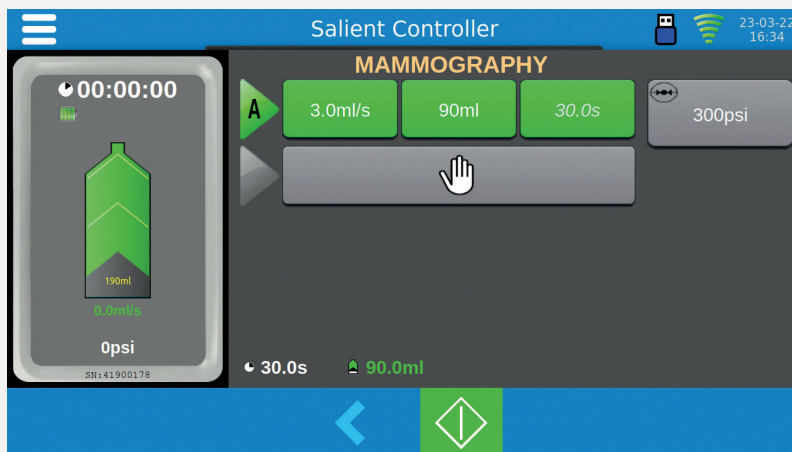
Control room monitor with the Protocol Assistant Tool (PAT)

\*Example protocol for CEM. 1.5mls/kg at 2-4 mls/sec.



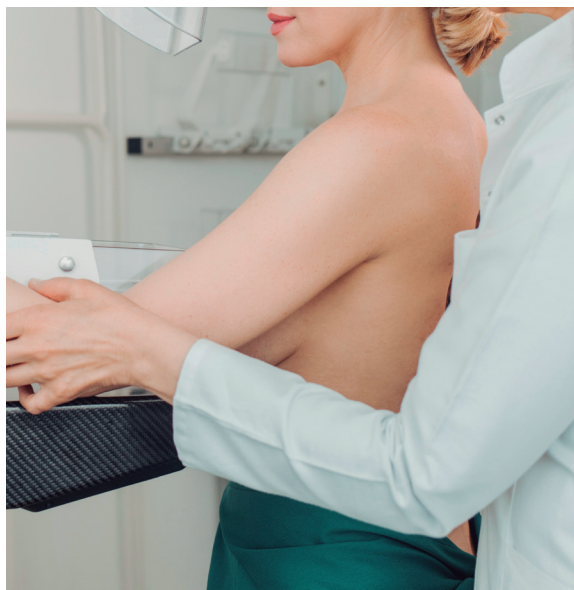
## Bayer Is Your Partner

MEDRAD® injectors can support you in achieving diagnostic image quality for your patients and workflow efficiency in your CEM procedures.



Example protocol for fictional patient.

- Our Service and Application Specialists provide quality service and solutions to meet your clinical, financial, and operational needs.
- To learn more about MEDRAD® Salient Single and other Bayer products, please speak to your local representative.



## MEDRAD® Salient Technical Specifications

### Functional

<b>Maximum pressure</b>	300 psi
<b>Flow rate</b>	0.1 to 10 mL/s
<b>Maximum volume</b>	190 mL
<b>Multi-phase protocols</b>	Up to six phases. Storage for 20 different named protocols
<b>Manual fill rate</b>	Up to 10 mL/s
<b>Auto fill rate</b>	Up to 10 mL/s

### Controls

<b>Base</b>	Line power, IEC inlet, on/off switch
<b>Head</b>	5.7" LCD touch screen, arm button, on/off soft switch
<b>Infrared remote control</b>	Inject start/stop

### Mechanical

<b>Weight</b>	22.9 kg (Single)
<b>Height</b>	1315 mm
<b>Floor area</b>	500 mm x 500 mm
<b>No. of wheels</b>	4 casters, all individually locking

### Electrical

<b>Line voltage</b>	100 – 230 VAC
<b>Line frequency</b>	50/60 Hz
<b>Battery operation</b>	Dual batteries, sealed lead acid
<b>Mains power operation</b>	Simultaneous operation and battery charging
<b>Contrast heat maintainer (one (1) included)</b>	37°C +/- 4°C, 5W

### Ordering Details

<b>PART NAME</b>	<b>PART NO.</b>
<b>Salient Single Injector</b>	DC009S
<b>Salient Single Injector With Remote Control Unit</b>	DC009SW
<b>Scanner Interface Box (optional)</b>	ISI2
<b>Connector Tubing Single (box of 50)</b>	ZY5151
<b>Syringe With Quick Fill Tube (box of 50)</b>	ZY6322
<b>Syringe With Fill Spike (box of 50)</b>	ZY6323
<b>Syringe With Fill Spike, Single LPCT (box of 50)</b>	ZY6324
<b>Syringe With Quick Fill Tube, Single LPCT (box of 50)</b>	ZY6325
<b>Heat Maintainer (one (1) included)</b>	DC022
<b>Operation Manual – Multilanguage CD (one (1) included)</b>	MN040015