



DO LESS.

CARE MORE.



Clear Direction.  From Diagnosis to Care.

**medrad** Centargo  
CT Injection System

# DO LESS.

**Centargo** minimizes your injector touch time by automating manual processes.

# CARE MORE.

**Centargo** helps you focus on what matters most in every CT scan – the patient.



# With Efficiency.

Centargo is designed for a simple, reliable and automated workflow, easy daily set-up and quick change time between scans.

Centargo's daily set-up process can be completed in under 2 minutes.



The simple snap-in patient line auto-primers upon insertion and is ready for the next patient in less than 20 seconds.



# With Confidence.

Less manual data entry and the intuitive user interface help you confidently complete your daily tasks.

Touch screen within the scan room so that you can be close to your patient.



The bar code reader reduces manual data entry and provides easy traceability and access to contrast and injection details.\*



\* When combined with Automated Documentation software

# With Centargo.

## For easy set-up and patient-to-patient change over:

- › Pre-assembled 24-hour Day Set with optional replaceable spikes
- › Fast changeover using snap-in Patient Line

## Designed with safety in mind:

- › Inlet and outlet air detection in addition to automatic air removal within reservoirs
- › Recessed connection on the Day Set
- › Dual check-valves in the Patient line

## Together with excellent performance:

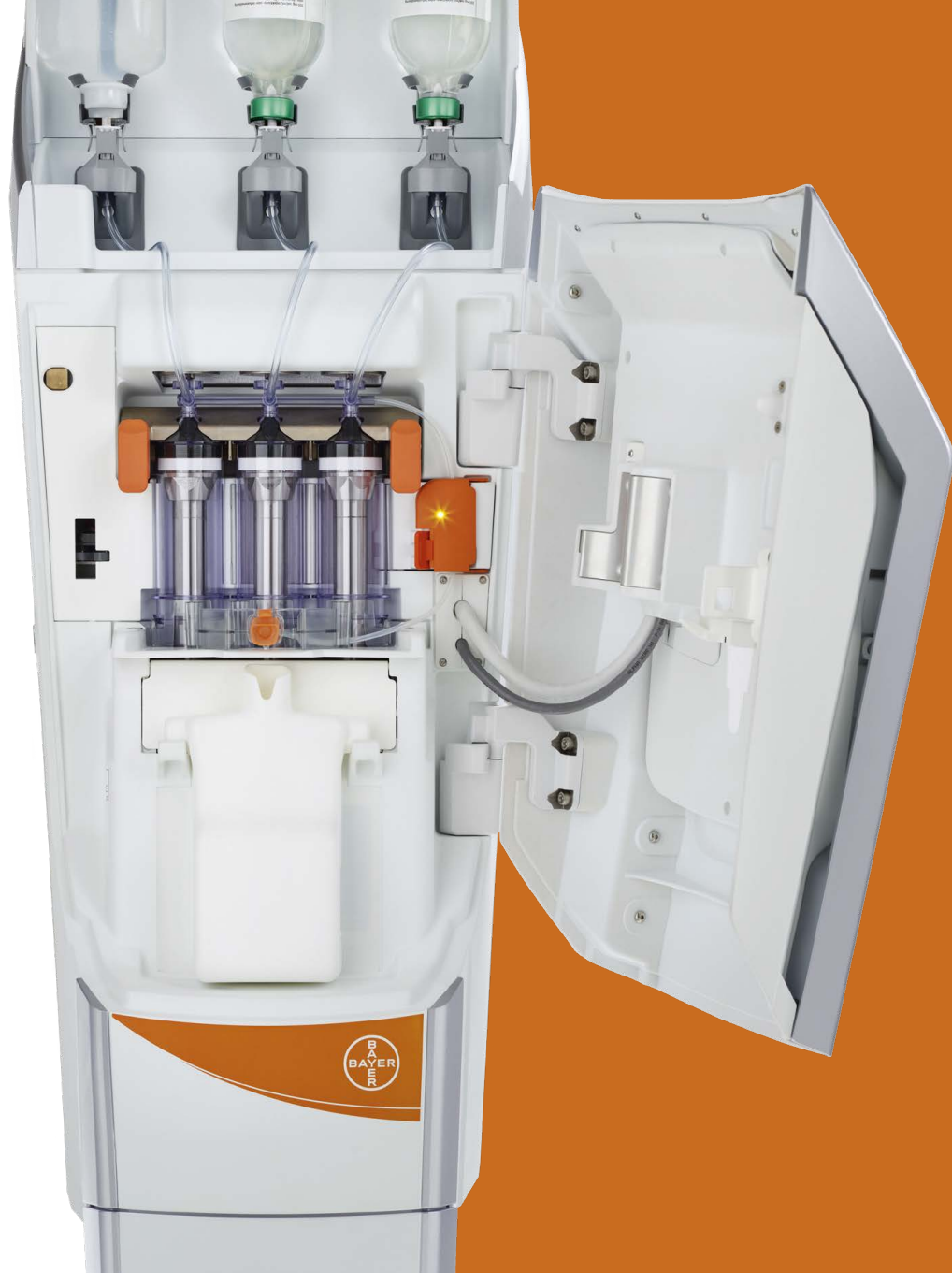
- › Piston-based fluid delivery
- › Heat maintainers for contrast reservoirs

## And modern convenience:

- › Integrated prime container
- › Dual screen configuration within scan and control room
- › Training videos on Control Room Unit
- › VirtualCare™ for remote monitoring, updates, and diagnostics

# With Smart Applications.

- › Integrated barcode reader for contrast data capture
- › Automated Documentation for access to contrast and injection information in PACS
- › Personalized Protocols to calculate individualized injection protocols
- › Advanced Scanner Connectivity for protocol exchange and device synchronization



## With Quality.

**Centargo offers the Bayer MEDRAD® quality that you have come to trust.**

- › Piston-based fluid delivery and personalized contrast media protocol software.\*
- › Three inlet air sensors and one outlet air sensor as well as reservoir air detection and automatic air removal.
- › Cordless mobility through a battery powered, Wi-Fi enabled configuration.

\*P3T® and Protocol Assistance Tool Software

**Think ahead. Plan Ahead. Stay Ahead.  
Bayer is your partner for peace  
of mind and patient care.**

## With Bayer.

Bayer relies on our decades of experience, comprehensive service networks, expert clinical support and dedicated sales teams to make sure that you receive the solutions you need to improve your efficiency, confidence and quality.



# System Specifications

Description	Specification
Volume Range	1 mL to 200 mL for contrast and flush phases; 1 mL to 400 mL for DualFlow phases (in 1 mL increments)
Flow Rate Range	0.1 to 10 mL/sec in 0.1 mL/sec increments
DualFlow	Simultaneous injection of contrast and saline in increments of 1%
Patency Check / Test Inject	Real time flow rate adjustment and multi-phase test injections
Programmable Pressure Limit	From 50 psi to 300 psi in 1 psi increments (also displayable in kPa and kg/cm <sup>2</sup> )
Programmable Delay	1 second to 900 seconds in 1 second increments
Pause	Maximum pause time of 20 minutes
Fluid Loading	Contrast: 50 mL – 500 mL Saline: 50 mL to 1000 mL
Fluid Reservoirs (volume)	Three 200 mL reservoirs (two contrast and one saline)
Injection Capabilities	Maximum of 6 phases per injection. Maximum of 10 injections per exam
Fluid Delivery Method	Piston Based
Day Set	Pre-assembled, labeled for 24-hour use, designed for set up in less than 2 minutes
Patient Line	250 cm, single hand design, two check valves, auto-primers upon insertion
Displays	Two independent, Wi-Fi enabled, full color, touch screen units with modern graphical user interfaces located in the scan room and control room
Air Detection	Three inlet air sensors and one outlet air sensor Includes reservoir air detection and automatic air removal
Battery performance	Up to 16 hours or up to 60 injections
Integrated Prime Container (vol)	680 mL
Injector Dimensions (WxDxH)	76.2 × 68.6 × 167.6 cm
Injector Weight (approx.)	76 kg
Available Scanner Interface	ISI 700, ISI 900 and Connect.CT
Personalized Protocols, Routine	Protocol Assistance Tool (PAT) provides basic protocol calculations for a range of procedure type
Personalized Protocols, Advanced	P3T® algorithms calculate individualized injection protocols for cardiac CT, CT pulmonary angiography and CT imaging of abdominal organs
eGFR calculator	Available on control room and scan room units

## Ordering Information

### Injector Configurations

- Centargo Pedestal configuration **CENT-SYS-PED**
- Centargo Cordless Pedestal System with battery **CENT-SYS-BAT**
- Centargo System with OCS Mount **CENT-SYS-OCS**

### Disposables

- Centargo Day Set (24-hour use) **CENT-DS**
- Centargo Patient Line **CENT-PL**
- Centargo Replacement Spikes (optional) **CENT-RS**

### Personalized Care

- Routine **CENT-PAT**
- Advanced **CENT-P3T**

### Automated Documentation

- Modality Worklist **CENT-MWL**
- PACS Interface **CENT-PACS**

### Processing Productivity

- RIS Interface **CENT-RIS**
- Dictation Interface **CENT-SR**
- Radimetrics Interface **CENT-REP**

### Scanner Connectivity

- ISI 900 **CENT-ISI-900**
- ISI 700 **CENT-ISI-700**
- Connect.CT **CENT-ISI-CT**



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