



DEDICATED CONTRAST MEDIA INJECTOR FOR CT **APO200**

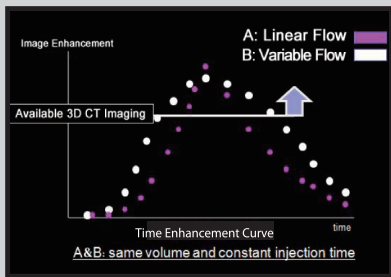
**APOLLO RT** Technology  
*Service People*

# Excellence

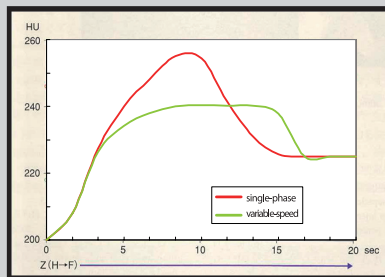


## ✓ “Variable Flow Rate” injection technology

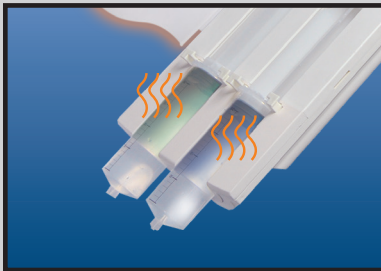
APOSTAR's unique Variable Flow Rate injection technology allows contrast media to be uniformly distributed throughout the region of interest (ROI). This maximizes the value of the contrast media, improves image quality and allows a reduced volume of contrast media to be injected. Complex imaging is more manageable and the capabilities of new scanners can be fully utilized with the reproducibility of complex scanners. The technology is particularly suitable for peripheral run-off studies, PE studies and Cardiac CTA studies.



TEC comparison between linear and variable flow rate



Comparison chart of single-phase injection and variable-speed injection

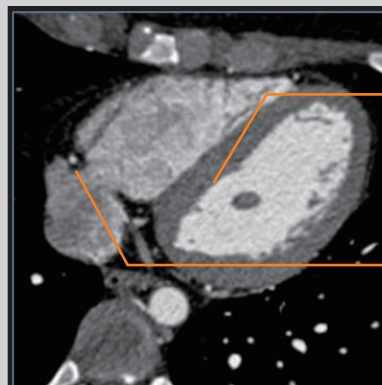


## ✓ Built In heat maintainer

- Keeps contrast media at convenient temperature;
- No need to “cover” the syringe with heating device;
- Increasing safety: better visualization of air bubbles;
- Increasing reliability.

## ✓ “Three Phase” Injections

The injector has two syringes: A side for contrast and B side for saline. On top of all basic injections, APO200 allows three phase injections (contrast alone, mixing of contrast and saline and saline alone). This protocol is suitable for cardiac CTA studies for imaging the left and right heart simultaneously as well as coronary artery studies.



Ventricular Septum

Coronary Artery

# Intelligent



## Smart Ancillary Injection System

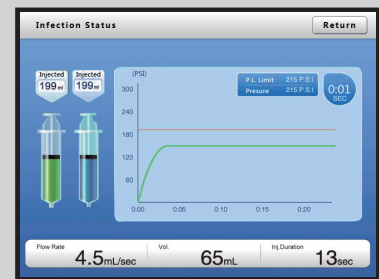
APOSTAR's unique smart injection features avoid the need to enter injection parameters one by one. Select the area to be scanned (ROI) and the APO200 will automatically generate the injection parameters.



STEP 1: Select Body Area



STEP 2: Enter patient body weight and contrast media concentration

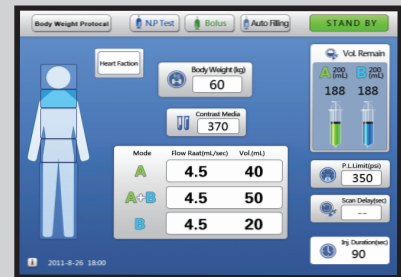


STEP 3: Inject



## Different Injection Modes

- Single syringe contrast injection;
- Contrast, followed by saline flush;
- Saline, followed by contrast;
- Simultaneous injection of contrast & saline.



Multi-phase synergy



## Clear, Easy To Read Colour User Interface

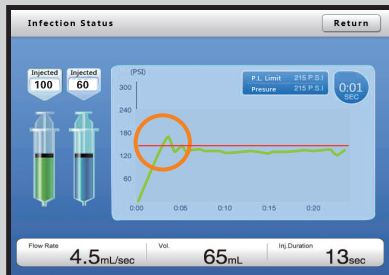
Bright 10.4" colour LED touch screen easily switches between different languages. The built-in interface provides various options, is clear at a glance and is friendly operated. A time display function is provided on the lower right side of the screen.

# Safety

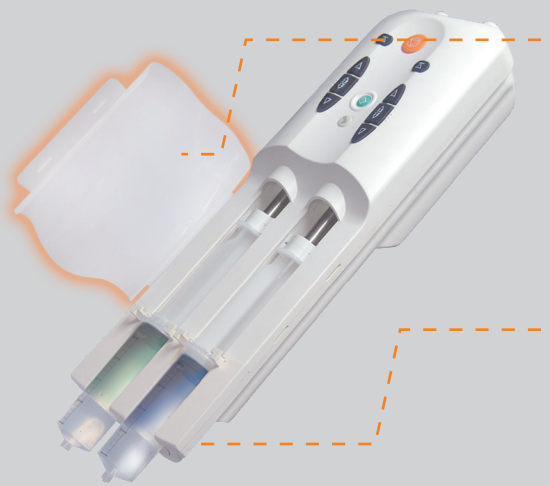


## High sensitivity real-time pressure curve technology

APO200 is equipped with a real "Pressure Sensor" which is permanently controlling pressure all along injection. This technology is much more accurate, reliable and safe than using traditional "motor current" detection technology. This feature is efficiently increasing patient safety.



Once developed pressure is reaching set "Pressure Limit", it stays nicely just below that set Limit.



## Cover protection

Clear plastic cover is designed such a way that:

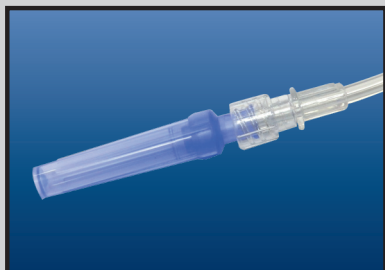
- It protects injector RAMS from fluid penetration in injector head and bearings.
- It protects operator safety;
- It does not hide the syringe, allowing maximum air bubble visualization.



## Check air bubbles with LED lights

LED lights allow an easy visual detection or air bubble presence, increasing patient safety.

Moreover, syringe cradle has drawings allowing operator to detect fluid in the syringe (round = fluid; oval = air)



## Anti-Drop cap & Rotating Luer Lock

APOSTAR's unique anti-drop design of the tubing cap provides many benefits:

- Sterility protection: when syringe and tubing are purged, cap protects tubing integrity till patient connexion;
- Environmental protection. Drops are collected in the cap after the procedure, efficiently avoiding mess caused by contrast media dropping on the ground or equipment.
- All our Apollo disposables are rated 350 PSI.

Rotating Luer Lock is minimizing extravasation risks, and is not bigger than a Fix LL.

# Convenience



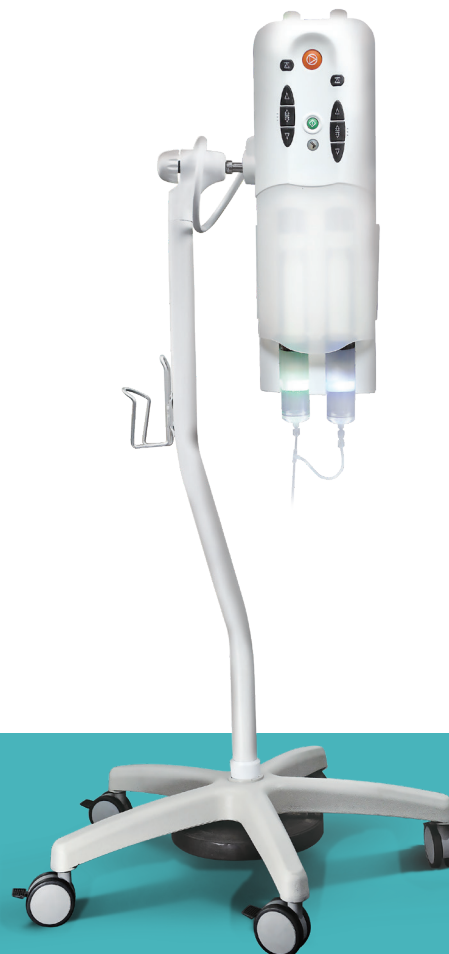
## Reliable after sales service

APOSTAR'S after sales service response is reliable and prompt, providing you with satisfying high quality service and maintenance solutions.

Our aim is to supply you with safe and reliable products utilizing leading edge technology.



## Software Update



## Flexible Installation Configurations

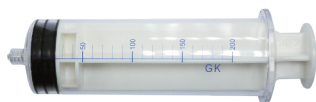
Pedestal configuration (standard), Ceiling mount (optional)  
Pedestal with large locking rollers can be moved around and located conveniently.

Ceiling mount allows Power Head to be adjusted according to the space constraints of the room and operators convenience.

# Technical Data

	A Side	B Side
Flow Rate	0.1-10.0ml/s (0.1/s increment)	0.1-10.0ml/s (0.1/s increment)
Volume	1-200ml (1 ml increment)	1-200ml (1 ml increment)
Maximum Pressure Limit	350PSI	
Injection Mode	Multi phase	
Scan Delay	0-300 s	
(Interphase) Interval/Hold	0-300 s	
Heat Maintainer	Built- in Temperature Control Heating (38° +/- 3°)	
Rated Voltage	230VAC,50Hz/115VAC,60Hz	
Consumption	260VA	
Configurations	Pedestal(standard)/Ceiling (Option)	
Syringes	100ml syringe/200ml syringe	

**APO200** disposables are made up of highly clear material, with high pressure resistance. All production steps of APO200 disposables are controlled by Scientific Quality Management. This is not only increasing Safety, but also optimizes hospital operation costs. APO200 is indeed the best choice for Contrast Injector.



200ml Syringe



100ml Adaptor



100ml Syringe

Caution: Safety & Performance of APO200 cannot be warranted if used with syringes or disposables other than approved by Company. Specifications & Appearance, as shown in this brochure, can be changed by Company without notice.

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