



DEDICATED CONTRAST MEDIA INJECTOR FOR CT **APO100**

CE 0123

**Technology**  
*Service People*

**The Insurance for Safe and Efficient CT Enhanced Examination**  
Its design is the perfect balance between features and ease to use, which is making APO100 the best highly cost-effective choice of contrast media injector.

**This new generation of contrast media injector provides safety, injection accuracy, user friendliness and efficient workflow.**

## Safety Confirmation Key

- **APO100** injector head has a built-in Safety Confirmation Key. Injection can only be started after proper checking is performed, and after this key is pressed. This is preventing undesired injections, in case Start Switch is activated.

## Waterproof Keys

- All keys are waterproof designed with soft touch.

## Built in heat maintainer

- Built in heat maintainer keeps **contrast media** at convenient temperature.

## Slow Speed Keys

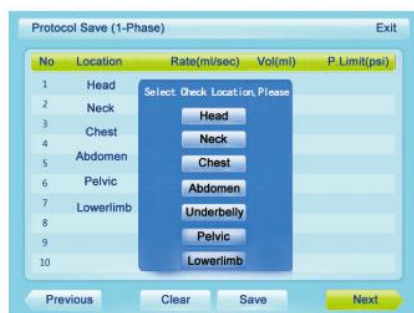
- Slowly moves forward & backward injector plunger. Can be used for air purging, or confirming needle placement.



# TECHNOLOGY SERVICE

## Easy Operation

### Convenient to store & retrieve protocols.



- Easy access to a stored protocol.
- Up to 80 customized protocols can be saved, for user benefits.

### Auto Fill Feature



- Once desired contrast volume is preset, APO100 is automatically filling the syringe. This procedure can be done using only one hand.

### External SD Memory Card



- All protocols can be saved on SD Card. This is convenient for protocol transfers & and back up.
- Can store 80 protocols that can be retrieved and modified at any time.
- Injector can be easily updated through SD Card.

### Syringe is easy to insert & remove



- Both operations can be made by one hand.
- Prefilled syringe is easy to be inserted.
- Syringe/Plunger Protection Cover minimizes fluid risks and contamination risks during procedure preparation.

## Head & Stand

- Pedestal (Ceiling mount: optional)
- Large stand wheels, with locking capability. Easy to move and fix, according user wishes.
- Head tilting friction can be adjusted according user preference, without requiring tools.



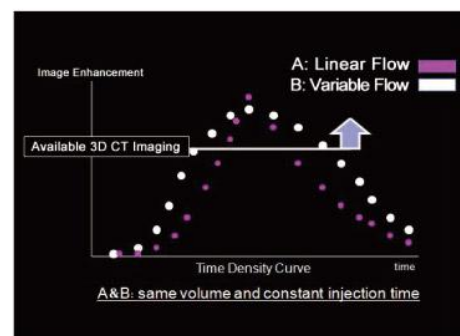
## User Friendly Remote Console

- Large LCD color touch screen, with wide vision angle. Parameters and injection status are clearly displayed.
- User friendly interface, so that any access can be handled by one hand.
- Large font size numeric keypad is convenient for data entering.



## Unique Technology: Variable Flow Rate Injection

- Significantly increases available imaging time.
- Starting injection with high flow rate provides clearer images.
- Efficient usage of Contrast Media.
- Efficient result

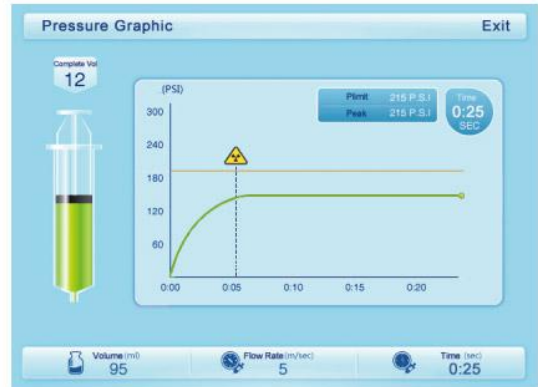


*TDC comparison between linear and variable flow rate*



### Real Time Monitoring of pressure graph, flow rate & injected volume

- Real time pressure is displayed during injection.
- If needed pressure to reach Set Flow Rate is exceeding set Pressure Limit, APO100 automatically decreases Flow Rate.
- If Actual Pressure is higher than set Pressure limit, APO100 automatically stops.
- If Flow Rate or Injected Volume are higher than set values, APO100 stops immediately.



### Multi Injection modes are fulfilling various needs

- Four Modes are available: single phase injection, dual phase injection, multiphase injection, and variable flow rate injection.
- In multi phase injection mode, interval can be preset.
- UNIQUE Technology: **Variable Flow Rate Injection.** Preset start and end flow rate, volume, and APO100 will operate in variable flow rate mode.



**APO100** disposables are made up of highly clear material, with high pressure resistance.

All production steps of APO100 disposables are controlled by Scientific Quality Management.

This is not only increasing Safety, but also optimizes hospital operation costs. APO100 is indeed the best choice for Contrast Injector.

### Technical Data

Flow Rate	0.1-10.0ml/s (0.1ml/s increment)
Volume	1-200ml (1 ml increment)
Upper Pressure Limit	300PSI
Injection Mode	Multi phase
Scan Delay	0-300 sec
Phase Delay	0-300 sec
Heating	Built- in Temperature Control Heating(38° +/- 3°)
Rated Voltage	220AV,50Hz/110AV,60Hz
Power Output Or Consumption	100 VA
Installation	Pedestal(standard)/Ceiling (Option)
Consumables	100ml syringe/200ml syringe



200ml Syringe



100ml Adaptor



100ml Syringe

Caution: Safety & Performance of APO100 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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