# Cardiosave Intra-aortic Balloon Pump

## A Revolution in Hemodynamic Support

This document is intended to provide information to an international audience outside of the US.

GETINGE

MAQUET
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(84)
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CARDIOSAVE
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# Cardiosave

## Hemodynamic Support, Flexibility, Portability

### Available when and where you need it.

For patients in need of hemodynamic support, there's no time to lose. Cardiosave is a cutting edge device that reliably provides time proven Intra-aortic Balloon Counterpulsation Therapy. Getinge built the Cardiosave in a way to provide flexibility of use for both in-hospital and patient transfer conditions. With Cardiosave, hemodynamic support will be at the right time and in the right place.

# Cardiosave Hybrid

## Improved usability

The Cardiosave Hybrid is a portable and maneuverable IABP designed for easy conversion from hospital to transport configuration. It is designed for use with all Getinge IABs to maximize your hospital's investment.

- Backlit monitor display and touchscreen controls offer improved usability in low light
- Improved help screen navigation resolves issues quickly
- Better organized patient interface connections for straightforward setup
- Easy access to the connection panel for a better ergonomic experience
- Self-retracting power cord for staff safety
- Helium tank is stored out of sight and out of the way

## Ensuring patient safety and comfort

Cardiosave Hybrid retains the familiar appearance and operation of previous Datascope/Maquet* Systems, but a closer look reveals features that improve performance for critically ill patients.

- Advanced algorithms offer easier management of the most complex patients
- Improved user interface is intuitive and easier to use, minimizing the risk of user errors
- Color coded and keyed connections ensure accurate setup
- Quieter than previous Datascope/Maquet pumps to alleviate patient anxiety

## Enhanced pneumatics optimize diastolic augmentation

- Faster pneumatic speed allows the balloon to stay inflated longer during diastole.
  -HR 80 –10.0% faster than CS300 (normotensive patient)[1]
  -HR 150 –16.4% faster than CS300 (normotensive patient)[1]

- Console
- Cart
- Control monitor
- Helium tank
- Two batteries

**Total weight: 51.8 kg /114 lbs**

All weights ± 5%

[1]Data on file

# Cardiosave Rescue

## Safely transport critically ill patients

Cardiosave Rescue is designed to meet the rigorous challenges of safely transporting critically ill patients by ambulance or air.

- Advanced algorithms offer easy management of complex patients
- Improved help screen navigation helps resolve issues quickly
- Overlapping control systems ensure safety
  - Hot-swappable lithium ion batteries
  - AC transport power supply is included
- Color coded and keyed connections ensure accurate setup

## Improved physical characteristics for better inter-facility transports

- Lighter weight - approximately 40% of the weight of CS300 UTS[2]
- Smaller size - approximately 55% of the size of CS300 UTS[2]
- Backlit monitor display and touchscreen control improves usability in low light
- Better organized patient interface connections streamline setup
- Easier access to the control panel for ergonomic convenience

[2] Universal Transport System

## Enhanced pneumatics optimize diastolic augmentation, and maximizes balloon inflation time during diastole

- Faster pneumatic speed
  - HR 80 – 10.0% faster than CS300 (normotensive patient)[3]
  - HR 150 – 16.4% faster than CS300 (normotensive patient)[3]

### Specifications

**Weight**
Including Rescue console, control monitor and 2 batteries
24.1 kg /53 lbs
All weights ± 5%

**Dimensions**
**Display Closed** - Includes Rescue console and control monitor
57.2 cm high x 40.6 cm deep x 33.0 cm wide
22.5" high x 16" deep x 13" wide

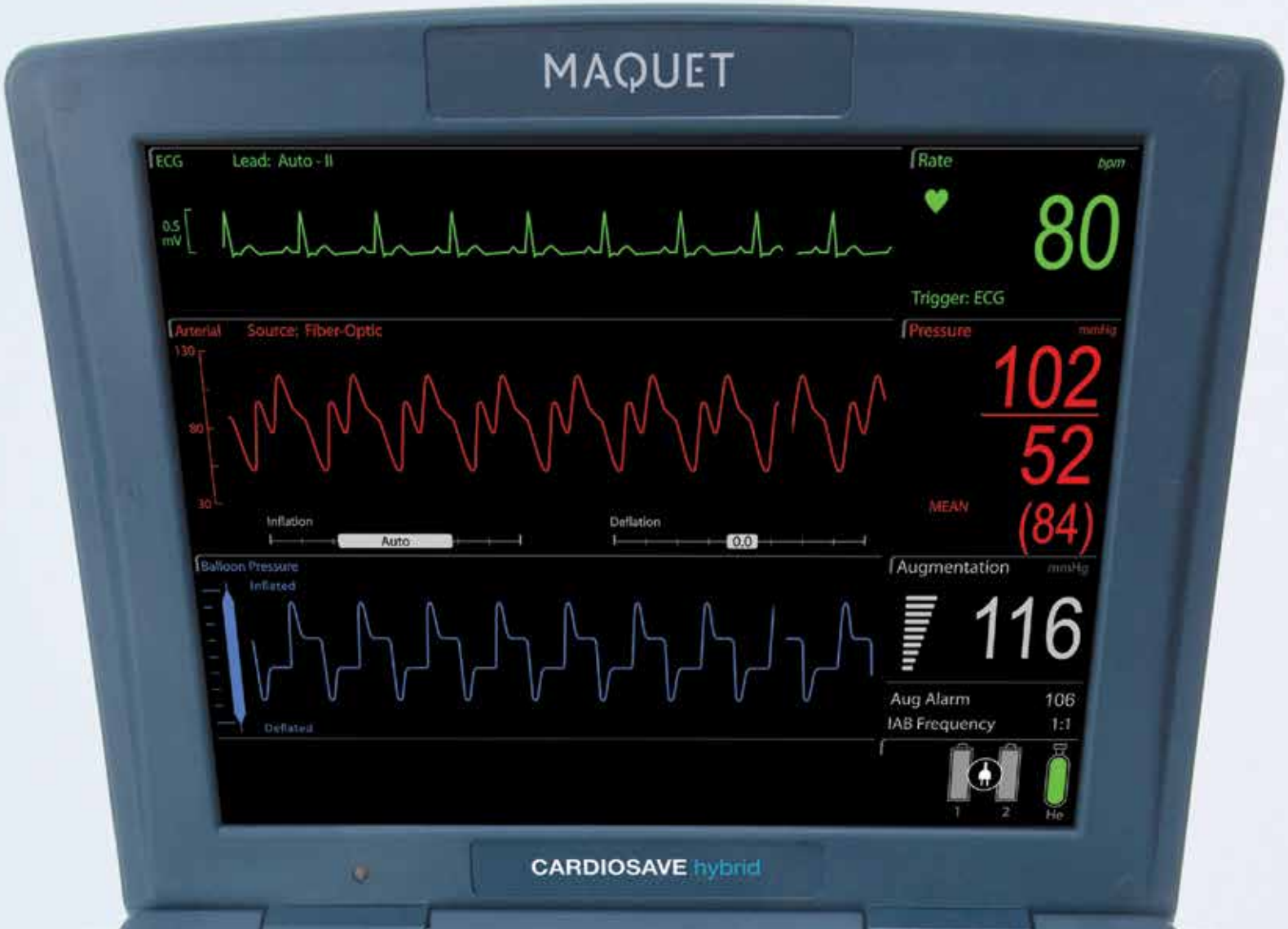
**Display Open 90°**- Includes Rescue console and control monitor
78.0 cm high x 40.6 cm deep x 33.0 cm wide
30.7" high x 16" deep x 13" wide

All dimensions ± 5%. Dimensions include the Pneumatic Module

[3]Data on file

## Safe, user-friendly interface

Cardiosave improves usability from the first touch. It incorporates a state-of-the-art liquid crystal display and touchscreen control. The large panel size, 24.58 cm x 18.43 cm / 9.68" x 7.26", 31 cm / 12.1" diagonal is used for both the upper waveform display and lower touch screen control. This allows for larger patient display parameters, improved help screen navigation and customizable control screens to improve patient safety. The back-lit screens allow visibility in varying lighting conditions with no alternate light source required.



OPERATION MODE
Auto
Semi Auto
Hybrid
Calibrate Pressure
Standby
Start
Trigger
ECG
Pressure
Pacer #/AV
Pacer A
Internal
Sources
Pressure
Direct
Thresholds
Auto
Pacer Detection
Default
IAB Frequency
1:1
1:2
1:3
Augmentation
Max
Off
Timing
Deflation
106
Lock Screen
Close Menus
Preferences
Ref Line
IAB Fill
Freeze Display
Aug Alarm
Print Strip

The screen locks to ensure patient safety by preventing accidental changes during transport.

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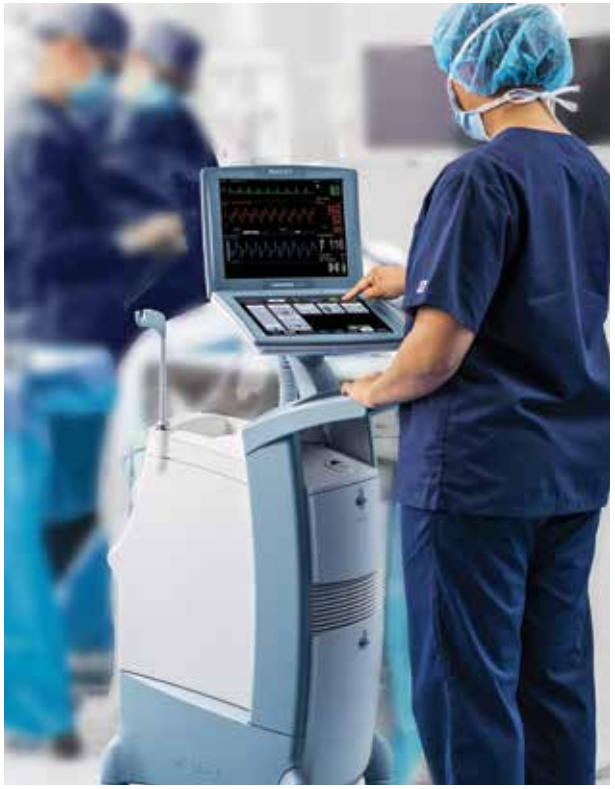

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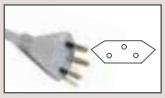
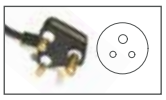
# Cardiosave Hybrid

## Ordering information

| Product | | Part Number |
|---|---|---|
| Cardiosave Hybrid - AS/NZS3112 Type I Plug | | 0998-00-0800-31 |
| Cardiosave Hybrid - Type J Plug |  | 0998-00-0800-32 |
| Cardiosave Hybrid - Type D Plug |  | 0998-00-0800-33 |
| Cardiosave Hybrid - Type K Plug | | 0998-00-0800-34 |
| Cardiosave Hybrid - Type M Plug | | 0998-00-0800-35 |
| Cardiosave Hybrid - Type I Plug | | 0998-00-0800-45 |
| Cardiosave Hybrid - Type G Plug | | 0998-00-0800-52 |
| Cardiosave Hybrid - Type B Plug | | 0998-00-0800-53 |
| Cardiosave Hybrid - Type E/F Plug | | 0998-00-0800-55 |

# Cardiosave Rescue

## Ordering information

| Product | Part Number |
|---|---|
| Cardiosave Rescue | 0998-00-0800-83 |

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