

# **Alaris (Carefusion) IVAC MedSystem III - Models 2860, 2863, 2865**

## **Standards:**

UL 544CSA C22.0, No 125

## **Case Material:**

Impact resistant polycarbonate/ABS alloy

## **Dimensions:**

Height: 7.875 inches (20.00 centimeters)

Width: 6 inches (15.24 centimeters)

Depth: 2.10 inches (5.33 centimeters)

Weight: Approximately 5.1 lbs. (2.32 kg) includes Pole Clamp

## **Air-In-Line (Default):**

500  $\mu$ l except for Neonatal which is 50 $\mu$ l

## **Occlusion Pressure (Default):**

15 psi except for Controller pressure device which is 3 ft H<sub>2</sub>O

## **Operating Temperature:**

50- 104<sup>o</sup> Fahrenheit (10<sup>o</sup> - 40<sup>o</sup> Celsius)

## **Storage Temperature:**

<95<sup>o</sup> Fahrenheit (<35<sup>o</sup> Celsius) for optimum battery life

## **Maximum Storage Temperature:**

131° Fahrenheit (55° Celsius)

**Rate Range:**

0.1 – 999 milliliter per hour (each channel)

**Volume Range:**

0.1 – 999 milliliter (each channel)

**KVO Rate Range:**

0.1 – 20.0 milliliter per hour

**System Accuracy:**

±5%

**Power Consumption:**

6 watts AC power. Use only IVAC MedSystem III AC Adapter, Model 1550

**Batteries:**

Main – Rechargeable NiCad Battery Pack Memory

Back-up – Nonrechargeable Lithium

**Battery charge:**

A fully charged battery has a minimum of 6 hours running time with all channels running at 125 milliliter per hour and backlighting usage of 2 minutes per hour. The main battery retains 80% of its capacity after 500 charging Cycles, and retains 90% of its capacity after 3 months of Continuous AC charging.

**AC Adapter & Cord Length:**

Model 1550, 8.5 VDC @ 750 mA & 8.5 feet (2.59 meters)

**AC Adapter Connector:**

4 pin locking connector is standard on Model 2863. Detachable Connector is standard on Model 2860

**Fuses:**

3 amp fast-blow internal

**Ground Continuity:**

Maximum 0.1 ohm

**Leakage Current:**

Maximum 100 microamps

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## Alaris (Carefusion) Medley 8015

The Alaris® 8015 PC Unit is the core of the Alaris® System and provides a common user interface for programming infusion and monitoring modules. This helps to reduce complexity at the point of care. Using the Alaris Systems® manager you can wirelessly upload the latest drug and IV parameters, clinical advisories and important safety enhancements. This helps to ensure that nurses and other care givers have the most up to date information.

The MEDLEY Medication Safety System is a modular infusion and monitoring system designed to provide SpO2 monitoring capabilities and accurate, automated infusion of a broad range of intravascular fluids, medications and blood products.

**Exceptional versatility**

- A common user interface simplifies IV administration by standardizing pump, syringe and PCA on one platform
- Monitoring can be added with the Alaris SpO2 and EtCO2 modules, allowing the clinician to automatically pause PCA infusions if patients fall below target respiratory level

- **The Alaris Auto-ID module offers a unique IV barcoding solution that attaches directly onto the Alaris System**

## **Increased protection for IV safety**

- Guardrails Suite MX software is the most comprehensive safety software available
- The wirelessly enabled software is available on every device
- **Provides the right protection for every infusion by double-checking dose and duration, as well as delivery rate, protecting critical infusions like chemotherapy**

## **Powerful analytics**

- Guardrails software allows you to convert data into meaningful information, so you can quickly identify opportunities for clinical and operational improvement
- With Guardrails CQI Reporter, you have the tools to spot subtle trends, measure the effectiveness of your IV formularies and best practices, and continuously optimize patient care

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# **Alaris (Carefusion) Medley 8100**

## **Dimensions**

3.3"W x 8.9"H x 5.5"D/p>

## **Weight**

2.5 lbs.

## **Operating Principle**

Positive Displacement

## **Flow Rate Range**

0.1-99.9 ml/hr in 0.1 ml increments  
100-999 ml/hr in 1 ml increments

## **VTBI Range**

0.1-9.99 ml in 0.01 ml increments  
10-999.9 ml in 0.1 ml increments  
1000-9999 ml in 1 ml increments

## **KVO Rate**

1ml/hr or selected rate, whichever is lower

## **Infusion Pressure Maximum**

654 mmHg

## **Rate Accuracy**

±5% at rates between 1 and 999 ml/hr  
±5.5% at rates less than 1 ml/hr

# Alaris (Carefusion) Medley POC 8000

## Dimensions

6.9"W x 8.8"H x 9"D including pole clamp

## Weight

7.2 lbs.

## Battery Operation

Battery run time is a function of the number of modules attached and module activity. See operator's manual for battery operation hours.

## Communication Data Port

RS-232 with an RJ45 connector

## Electronic Memory

System configuration parameters stored in volatile memory are retained for at least 6 months by an internal backup lithium battery. Module specific parameters are stored for 8 hours when system is turned off.

## Power Requirements

100-240V, 50/60 Hz, 150VA Max

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# Alaris/Carefusion/Cardinal Medley PCA 8120

## Alaris/Carefusion/Cardinal Medley PCA 8120

### Product Specifications

#### Dimensions

4.5"W x 15.0"H x 7.5"D exclusive of security door

#### Weight

5.5 lbs.

#### Operating Principle

Positive Displacement

#### Delivery Units

mg, mcg, mL, mg/h, mcg/h, mL/h

#### Flow Rate

0.10-9.99 ml/hr in 0.01 ml increments  
10-99.9 ml/hr in 0.1 ml increments  
100-999 ml/hr in 1 ml increments

#### Rate Restriction by Syringe Size

50-60 ml syringe - 0.1-999 ml/hr  
30-35 ml syringe - 0.1-650 ml/hr  
20 ml syringe - 0.1-500 ml/hr

#### Occlusion Alarm Thresholds

Low, Medium, and High

#### Rate Accuracy

±2% of full scale plunger travel not including syringe variation

# Alaris/Carefusion/Cardinal Medley Syringe 8110

## Alaris/Carefusion/Cardinal Medley Syringe 8110

### Product Specifications

#### Dimensions

4.5"W x 15.0"H x 7.5"D

#### Weight

4.5 lbs

#### Operating Principle

Positive Displacement

#### Flow Rate

0.01-9.99 ml/hr in 0.01 ml increments  
10-99.9 ml/hr in 0.1 ml increments  
100-999 ml/hr in 1 ml increments

#### Volume to be Infused

0.1-9.9 ml in 0.01 ml increments  
10-60 ml in 0.1 ml increments

#### Rate Restriction by Syringe Size

50-60 ml syringe - 0.1-999 ml/hr  
30 ml syringe - 0.1-650 ml/hr  
20 ml syringe - 0.1-500 ml/hr  
10 ml syringe - 0.1-250 ml/hr  
5 ml syringe - 0.1-150 ml/hr  
3 ml syringe - 0.01-100 ml/hr  
1 ml syringe - 0.01-30 ml/hr

#### KVO Rate

1ml/hr or selected rate, whichever is lower

## Infusion Pressure Maximum

800 mmHg without pressure sensing disc  
1060 mmHg with pressure sensing disc

## Rate Accuracy

±2% of full scale plunger travel not including syringe variation

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# Allied Autovent 3000

## Allied Autovent 3000

### Product Specifications

- Small, compact, and transport ready
- Designed to perform in harsh and toxic environments
- Assembles quickly with simplified operating instructions printed on the case
- Impact-resistant case with shock-absorbing bumpers and recessed control settings
- Rate and volume settings independently operated
- Easy-to-monitor patient valve assembly and toxic atmosphere valve are able to deliver additional breaths on demand by inspiratory effort of the patient
- Operates exclusively on standard 50 psi source gas, eliminating air entrainment and maintaining the integrity of the specified oxygen concentration
- Operates at extreme temperatures ranging from 0 F to 125 F
- Pneumatically powered, batteries not required
- Allows for PEEP attachment

- Meets ASTM, ISO and KKK-1822C standards

Get the Quick Start Guide Here

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## Allied Autovent 4000

### Allied Autovent 4000

The AutoVent™ 4000 maintains the core features of the AutoVent 2000 and 3000. Pneumatic power and hard plastic case provide a sturdy, virtually unbreakable ventilator. It has the same controls for setting the clinical parameters of BPM, Tidal Volume and Inspiratory Time, but has newly added features which include an internal demand valve, anti breath stacking, adjustable maximum airway pressure from 20 - 80 cmH<sub>2</sub>O, manual breath button, alarms and a color coded manometer gauge.

At 2.9 "x 9.6" x 6.5" and only 3.7 lbs, the AutoVent 4000 is the smallest, lightest ventilator on the market. Each AutoVent comes with the LSP Patient Valve with its bright green visual breath indicator, built-in pressure limit alarm and Intermittent Ventilation providing gas flow for spontaneous breathing patients. Made in USA.

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## B. Braun Infusomat® Space

### Infusomat® Space, Volumetric infusion pump

*A small, stackable large volume infusion pump system for all care areas that's easy to transport.*

## **Product Description**

### **Type of unit**

Volumetric infusion pump

### **Dimensions**

214 x 68 x 124 mm (WxHxD)

### **Weight**

Approx. 1.4 kg

### **Moisture Protection**

IP 22, drip protected for horizontal usage

### **Display**

Backlit graphic display, ~40° read angle from all sides

### **Keypad**

Backlit keys, cell phone like cursor navigation

### **Flow Rates**

0.1-1200 ml/h

### **Accuracy of Set Delivery Rate**

<< ± 0,5 % mechanical accuracy  
± 5 % according to IEC/EN 60601-2-24

### **Operating Temperature**

+10° C ... + 40° C

+50° F .... +105° F

### **Voltage**

11-16 V DC supplied by external Space Power Supply or by SpaceStation

### **Battery Operating Time**

Minimal power consumption of the devices and new battery technology ensure long operating times, e.g. 9.4 hrs. @ 80 ml/h, 8.5 hrs. @ 100 ml/h

### **Lifetime**

Min. 10 years under continuous duty conditions

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## **B. Braun Outlook**

### **Mechanism**

Volumetric, Positive Pressure Displacement Reservoir

### **Dimensions**

Width - 12" Height - 4.5" Depth - 8.75"

### **Power**

120 VAC, 3 amp, 60 Hz

## **Battery**

12V Sealed lead-acid battery

## **Rate Range**

0.1-999.9 ml/hr in 0.1 ml increments  
Micro mode: 0.1-99.9 ml/hr in 0.1 ml increments

## **Volume to be Delivered Range**

0.1-9999.9 ml in 0.1 ml increments

## **Variable Occlusion Range**

75, 100, 200, 300, 400, 500, and 750 mmHg

## **KVO Rate**

3 ml/hr or selected rate, whichever is lower

## **Volume Delivery Accuracy**

±5%

## **Alarms**

Air-in-line

Plug in alarm

Close Roller Clamp

Container Empty

Door Open

Downstream Occlusion

Hold Time Exceeded

Low Battery Warning

System Error

## Features

DoseGuard™ (Outlook 100, 200)

DoseScan™ (Outlook 200)

Mode with Drug Menu

Primary and Piggyback Modes

Set Time and Volume

Schedule Next Run

Program Mode

Variable Occlusion Pressure

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## B. Braun Perfusor® Space

### Perfusort® Space Infusion Pump System

*A small syringe pump that is big on safety and accuracy in any care setting.*

### Product Description

## **Type of unit**

Infusion syringe pump, syringe driver

## **Dimensions**

249 x 68 x 152 mm (WxHxD), drive parked

## **Weight**

Approx. 1.4 kg

## **Moisture Protection**

IP 22, drip protected for horizontal usage

## **Display**

Backlit graphic display, ~40° read angle from all sides

## **Keypad**

Backlit keys, cell phone like cursor navigation

## **Flow Rates**

0.01-1800 ml/h

## **Accuracy of Set Delivery Rate**

<< ± 0,5 % mechanical accuracy

± 2 % according to IEC/EN 60601-2-24

## **Operating Temperature**

+5° C ... + 40° C

+41° F .... +105° F

## **Voltage**

11-16 V DC supplied by external Space Power Supply or by SpaceStation

## **Battery Operating Time**

Minimal power consumption of the devices and new battery technology ensure long operating times, e.g. 16.8 hrs @ 1 ml/h, 16 hrs @ 5 ml/h, 14 hrs @ 20ml/h

## **Lifetime**

Min. 10 years under continuous duty conditions

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# **B. Braun Vista Basic**

## **Product Specifications**

### **Mechanism**

Linear peristalsis

### **Dimensions**

5.5"W x 9.4"H x 7.8"D

### **Weight**

6.8 lbs.

### **Power**

100-120 VAC, 50-60 Hz, 13 Watts

## **Battery**

7.2V, 1.2Ah NiCad rechargeable

## **Battery Operating Time**

3.5 hours at max delivery rate

## **Rate Range**

0.1-800 ml/hr in 0.1 ml increments with Vista™ tubing

## **Volume to be Infused**

0.1-9999.9 ml

## **Occlusion Pressure**

Variable Settings: Low - 8 PSI, High - 17 PSI

## **KVO Rate**

1 ml/hr or selected rate whichever is lower

## **Flow Rate Accuracy**

±5%

## **Alarms**

**Air-in-line**

**Low Battery**

**Plug in Now**

**Bag Empty**

**Downstream Occlusion**

**Door Open**

**Pump Stopped**

**KVO**

**Unit Malfunction**

## **Mode/Features**

Continuous and Piggyback Modes

Program Mode for variable infusions

Ramp/Taper Mode for TPN infusions

Delay A Mode for postponing start and finish