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 815.24 centimeters)

Depth: 2.10 inches (5.33 centimeters)

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

Air-In-Line (Default):

500 µl except for Neonatal which is 50µl

Occlusion Pressure (Default):

15 psi except for Controller pressure device which is 3 ft H20

Operating Temperature:

50- 104º Fahrenheit (10º – 40º Celsius)

Storage Temperature:

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

Maximum Storage Temperature:

131º Fahrenheit (55º 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

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

Triumph
medical services llc

- **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 increments100-999 ml/hr in 1 ml increments

VTBI Range

0.1-9.99 ml in 0.01 ml increments10-999.9 ml in 0.1 ml increments1000-9999 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

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

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 incrementsMicro 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

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

Baxter Flo-Gard 6201

Product Specifications

Description

Linear Peristaltic Volumetric Infusion Pump

Keep Vein Open (KVO) Rate

5 mL/hr or programmed rate, whichever is less

Nurse Call

Available through the COMMUNICATIONS PORT

Battery

12 Volt, 2.0 Ah sealed lead-acid

Battery Life

Approximately 6 hours with pump running at a rate from 1 to 1400 mL/hr

Battery Recharge

8 hours for more than 80% recharge

AC Power Requirements

110/120V, 60 Hz

Power Cord

2.9 m (9 ft) long, with hospital grade plug

Fuse

0.5 A, 250V, SB, 5.2 mm (13/64 in) x 20 mm (25/32 in)

Leakage Current

Less than 50 microamps (using UL-544 specified test methods)

Weight

Approximately 5.3 kg (11.6 lbs)

Dimensions

20 cm W x 13 cm D x 29 cm H (7.9″ W x 5.1″ D x 11.4″ H)

Flow Rate Range

Primary program: 1.0-99.9 mL/hr in 0.1 mL increments or 1-1999 mL/hr in 1 mL increments. Upper limit can be reduced by authorized service personnel.

Secondary program: 1.0-99.9 mL/hr in 0.1 mL increments or 1-999 mL/hr in 1 mL increments

VTBI Range

1.0-99.9 mL in 0.1 mL increments or 1-9999 mL in 1 mL increments for both primary and secondary. Upper limit can be reduced by authorized service personnel.

Ramp PDP Parameter Ranges

Total VTBI: 100-9,999 in 1 mL increments. Upper limit can be reduced by authorized service personnel.

Delay Time: 00:00 – 08:00 hours in minute increments.

Run Time: 01:00 – 16:00 hours in minute increments.

Ramp Up: 00:00 to 45% of the Run Time, in minute increments.

Ramp Down: 00-00 to the Run Time minus Ramp Up, in minute Increments.

Air-in-Line Detection

Factory set to NORM, which causes the pump to alarm on air bubbles approximately 75 uL or larger. The MIN setting causes the pump to alarm on air bubbles approximately 50 ul or larger.

Baxter Flo-Gard 6301

Product Specifications

Dimensions

12.0″ x 14.75″ x 7.5″ (30.5 cm x 37.5 cm x 19.1 cm)

Weight

17.9 lb (8.1 K)g

Battery

12 volt, 2.0 ampere, sealed lead acid

Battery Recharge

80% charged within 8 hr.

Battery Life

6 hr at 1-1,400 mL/hr (4 hr with both channels operating at 1-1,400 mL/hr)

Power Cord

Biomed replaceable 9 ft (2.75 m)

Leakage Current

Less than 50 micro-amps (per UL 544)

Fuse

.8 ampere, 250 volt, slow-blow

Communications Port

RS232 serial port

Operating Environment

15.5-37.7ºC (60-100ºF)

Power Requirements

115 VAC, 60 HZ, 50 W

Flow Rate Range

Primary program: 1.0-99.9 mL/hr in 0.1 mL increments or 1-1999 mL/hr in 1 mL increments.Upper limit can be reduced by authorized service personnel.

Secondary program: 1.0-99.9 mL/hr in 0.1 mL increments or 1-999 mL/hr in 1 mL increments

VTBI Range

1.0-99.9 mL in 0.1 mL increments or 1-9999 mL in 1 mL increments for both primary and secondary. Upper limit can be reduced by authorized service personnel.

Ramp PDP Parameter Ranges

Total VTBI: 100-9,999 in 1 mL increments. Upper limit can be reduced by authorized service personnel.

Delay Time: 00:00 – 08:00 hours in minute increments.

Run Time: 01:00 – 16:00 hours in minute increments.

Ramp Up: 00:00 to 45% of the Run Time, in minute increments.

Ramp Down: 00-00 to the Run Time minus Ramp Up, in minute Increments.

Air-in-Line Detection

Factory set to NORM, which causes the pump to alarm on air bubbles approximately 75 uL or larger. The MIN setting causes the pump to alarm on air bubbles approximately 50 ul or larger.

Nominal Downstream

<21

2 PSIG (Minimum)

5 PSIG (Moderate)

9 PSIG (Maximum)

21-200

5 PSIG (Minimum)

8 PSIG (Moderate)

11 PSIG (Maximum)

>200

9 PSIG (Minimum)

12 PSIG (Moderate)

15 PSIG (Maximum)

Hospira (Abbott) Plum A+

Product Specifications

Dimensions

8″ H x 8″ W x 6″ D, excluding pole clamp

Weight

9.5 lbs. with battery

Casing

High-impact plastic

Delivery Rate Range

Lines A & B:

0.1-99.9 ml/hr in 0.1 ml increments100-999 ml/hr in 1 ml increments

Concurrent Delivery

0.5 ml/hr minimum for each line

Plum Set

500 ml/hr cumulative (A+B) maximum

KVO

1.0 ml/hr or the last primary delivery rate, whichever is less

VTBI Range

0.1-99.9 ml in 0.1 ml increments100-9999 ml in 1 ml increments

Electrical Power Requirements

120V, 50-60 Hz, 35VA

Fuses

F1, F2, 250V, 0.5A

Power Cord

Hospital Grade AC Cord 10 ft long

Battery

One sealed lead acid, rechargeable 6V battery, internal

Battery Life

With a new fully charged battery, the infuser shall operate for a minimum of 6 hours at 125 ml/hr or less, or deliver 500 ml at 126 ml/hr or greater on one line.

Recharge

The battery charges whenever the pump is connected to AC power. The recharge time is approximately 6 hours with the device operating at 125 ml/hr on one line.

Hospira (Abbott) Plum XL3

Product Specifications

Dimensions

13.75″H x 12.2″W x 7.5″D

Weight

20 lbs. with batteries

Casing

High impact plastic

Delivery Rate Range

0.1-99.9 ml/hr in 0.1 ml increments100-999 ml/hr in 1 ml increments

Volume to be Infused Range

0.1-99.9 ml in 0.1 ml increments

100-9999 ml in 1 ml increments

KVO Rate

The lower of 1 ml/hr or the primary delivery rate

Occlusion Range

10 PSIG (+5, -2 PSIG)

Power Requirements

100-130 VAC, 47/63 Hz, less than 60W

Power Cord

Hospital grade AC cord, 10ft long

Fuses

1.0 A, 250V, slow blowing

Batteries

Rechargeable and sealed, lead acid 8V batteries

Battery Life

A fully charged battery set will provide operating time of approximately 4 hours when all pumping units operate simultaneously at a rate of 125 ml/hr or a cumulative delivery of 1000 ml at any combination of rates and pumping units.

Battery Recharge

Recharge takes approximately 6 hours when the device is turned off.

Hospira (Abbott) Plum XLM

Product Specifications

Dimensions

Approximately 8.25H x 7.5W x 8.75D inches (including pole clamp)

Weight

Approximately 7.75 lbs (with battery)

Casing

High-impact plastic

Power Requirements

100-130 Vac, 50 to 60 Hz, less than 35 W

Power Cord

Hospital-grade AC (mains) cord. 10 feet long, with transparent plug

Fuses

0.5 A, 250 V. slo-blo

Battery

Sealed lead-acid rechargeable 8 V battery, internal to infusion system. Accessible for ease of field replacement, with color-coded leads and polarized connector.

Battery Operation

A fully charged new battery will provide eight hours of operation at 125 ml/hr, or 1000 ml total volume delivered, whichever occurs first

Recharge

The battery charges whenever the infusion system is connected to AC (mains) power. If the infusion system is operating at 125 ml/hr, a full recharge takes approximately 16 hours. If the infusion system is turned to OFF/CHARGE, recharge takes approximately eight hours.

Delivery Rate Range

Micro Mode:

.1 to 99.9 ml/hr

Macro Mode:

1 to 999 ml/hr (in 1 ml increments)

KVO

1 ml/hr

Dose Limit Range

1 to 9999 ml/hr (in 1 ml increments)

Occlusion Range

10 psig (+5, -2 psig)