BD Alaris 8100 Pump Module Infusion Pump

The **BD CareFusion Alaris 8100 Pump Module** is used in the delivery of large volume fluids, medications, blood, and blood products using continuous intermittent delivery for adult, pediatric, or neonatal patients. Infusion delivery can occur via clinically acceptable routes of administration (e.g., intravenous, intra-arterial, subcutaneous, epidural, enteral, or irrigation of fluid spaces).

Clinicians can attach up to four pump modules to a single Point of Care (PC) unit allowing four different infusions. The Alaris 8100 modules can be attached to either side of the PC unit to create the desired configuration.

The Alaris 8100 module supports the Guardrails Suite MX software. This software helps to reduce the risk of medication errors by providing a test of reasonableness before the initiation of therapy.

Features

- Alaris Pump 8100 Module has LCD which displays the drug or IV fluid name, dose, and rate.
- Module has indicators which display channel status- red for alarm, yellow for pause, and green for infusing.
- Set-based, freeflow protection featuring the SmartSite needle-free valves.
- Pump sets can be used for gravity infusion.
- Designed for bag, bottle or syringe delivery.
- Supports primary and secondary “piggyback” delivery

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Specifications

Dimensions	**Height:** 8.9” (22.6 cm) **Width:** 3.3” (8.4 cm) **Depth:** 5.5” (14 cm) **Max Weight:** 2.5 lbs (1.13 kg)
Accumulated Air Window	**Single Bolus Setting:** 50 **Volume Window (mL):** 2.8 **Air That Causes Alarm:** 10% **Single Bolus Setting:** 75 **Volume Window (mL):** 8.0 **Air That Causes Alarm:** 20% **Single Bolus Setting:** 250 **Volume Window (mL):** 8.0 **Air That Causes Alarm:** 30% **Single Bolus Setting:** 500 **Volume Window (mL):** 12.0 **Air That Causes Alarm:** 30%
Bolus Volume, Maximum after Occlusion	**Pressure Limit (mmHg):** 50 **Rate (mL/h):** 25 **Bolus Volume (mL):** ≤0.3 **Pressure Limit (mmHg):** 525 **Rate (mL/h):** 25 **Bolus Volume (mL):** ≤0.6
Critical Volume:	The maximum over-infusion which can occur in the event of a single fault condition is 0.6 mL.
Fluid Ingress Protection	IPX1, Drip Proof
Environmental Operating Conditions	**Temperature Range:** 41 to 104°F (5 to 40°C) **Relative Humidity:** 20 to 90% **Atmospheric Pressure:** 525 to 4560 mmHg (700 to 6080 hPa)
Environmental Storage Conditions	**Temperature Range:** -4 to 140°F (-20 to 60°C) **Relative Humidity:** 5 to 85% **Atmospheric Pressure:** 375 to 760 mmHg (500 to 1013 hPa)
Maximum Infusion Pressure	654 mmHg (Maximum Occlusion Alarm Threshold plus tolerance)
Rate Accuracy	±5% at rates between 1 and 999 mL/h ±5.5% at rates <1 mL/h, 95% of the time with 95% confidence

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