The logo for QinFLOW features a stylized water drop icon composed of horizontal stripes in blue, grey, and red, with a small blue triangle at the top. The text 'QinFLOW' is written in a bold, black, sans-serif font, with the drop icon replacing the letter 'O'.

QinFLOW

Warrior lite

A photograph of the QinFLOW Warrior lite device, which is a small, black, rectangular infusion pump. It is shown from a top-down perspective, resting on a dark surface. The device has a small screen and several buttons on its top surface. The background is a solid, dark red color.

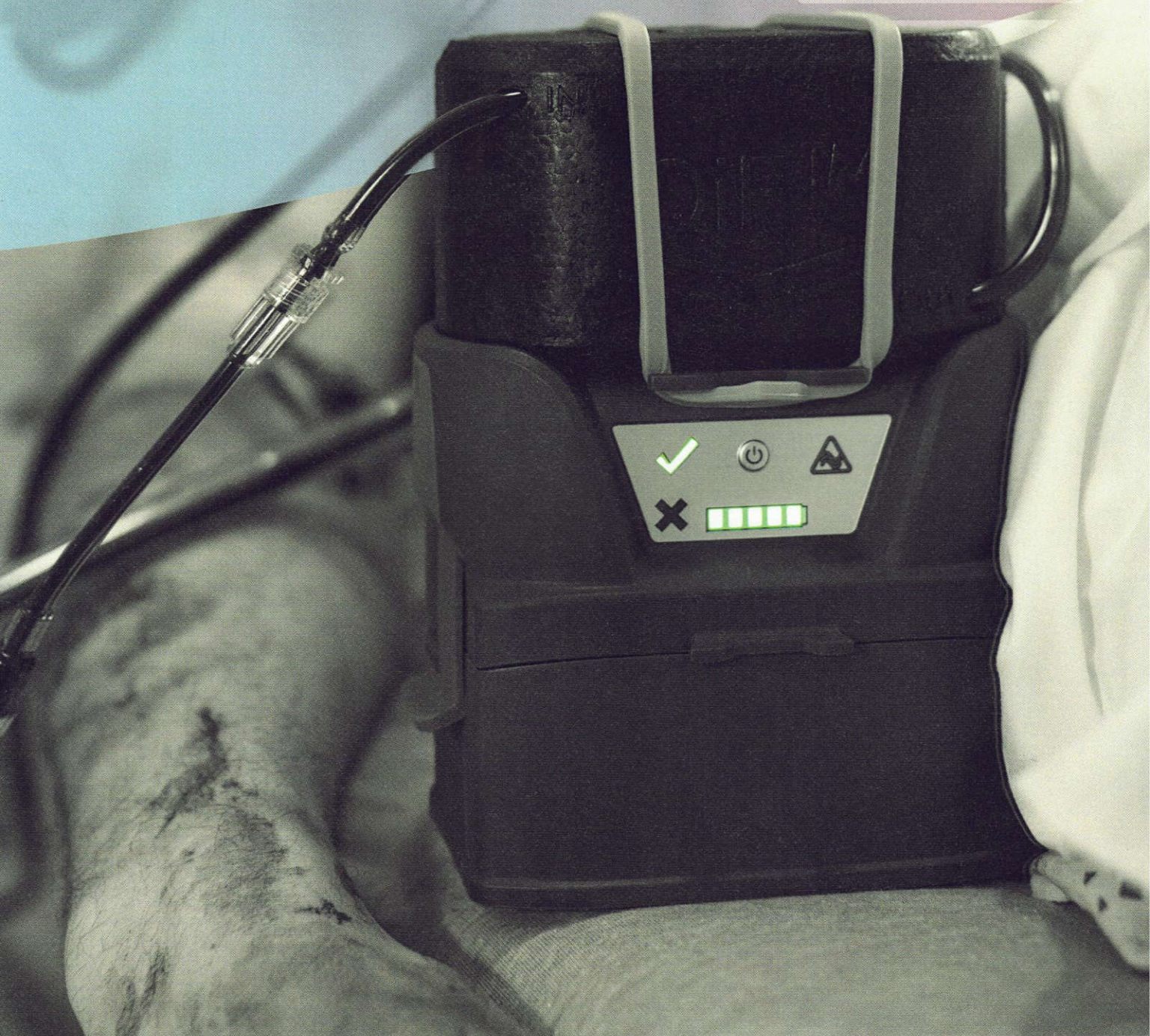
Any **patient.**

Any **setting.**

Any **infusion method.**

ONE SOLUTION.

In critical moments, **every second matters**. Outdated warming systems can't keep up, slowing care, wasting blood, and risking lives.





Warrior lite

The Warrior lite was built for action, lightweight, fast, and ready wherever care begins. Across the entire continuum of care, it delivers reliable, uninterrupted warming, delivering consistency, safety, and control from first response through recovery.

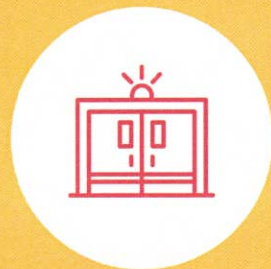
CLINICAL IMPACT OF WARMING

- Mitigates hypothermia
- Improves hemodynamic stability
- Enhances coagulation
- Reduces cardiac stress
- Minimizes risk of complications
- Increases patient comfort

Rapid warming.
Proven performance.
UNINTERRUPTED CARE.



POINT OF INJURY + TRANSPORT



ED + TRAUMA BAY



OPERATING ROOM



CRITICAL CARE UNITS

Saving Lives One Bag At A Time.

The Warrior lite delivers top-tier warming power in a compact, lightweight form, ideal for EMS, HEMS, rescue, and critical-care transport teams.

PERFORMANCE HIGHLIGHTS

- Easy to use; **maintenance free**
- Warms near-frozen blood or fluids to **38 °C (± 2 °C) in seconds**
- Blood delivery rate: **one unit of whole blood in under 3 minutes**; i.e., up to 180 mL/min flow*
- Room temp fluids delivery rate: **one liter of fluids in under 4 minutes**; i.e., up to 270 mL/min flow*
- Heats up to **6 cold-stored whole blood units** or up to **5L of room temp fluid per charge***
- Validated for **pressure bag and IV pump**
- Uniquely validated for **rapid bolus and intermittent flow infusers** including push-pull, hand pump, and LifeFlow®
- **Dual battery options** for mission flexibility
- **Stainless-steel, aluminum-free fluid path**
- The warmer of choice by **hundreds of agencies, nationwide**

*With the Extra Power battery



Our service philosophy says it all...

**“We stand behind the full system,
not just the warranty language.”**

QinFlow's commitment doesn't stop at delivery. From onboarding to long-term reliability, every customer is backed by dedicated training, responsive service, and industry-leading coverage.



QINFLOW ACADEMY

Simple, accessible onboarding for any team, online, on-site, or on demand.

- Training scheduled within two weeks of product delivery
- Hands-on setup and troubleshooting guidance
- Clinical champion development and certification support
- Train-the-Trainer materials for scalable implementation

GO-LIVE & ONGOING SUPPORT

- On-demand virtual assistance during go-live
- Continued virtual education and refreshers
- Post-launch monitoring at 30, 60, and 90 days

GOLD STANDARD SUPPORT

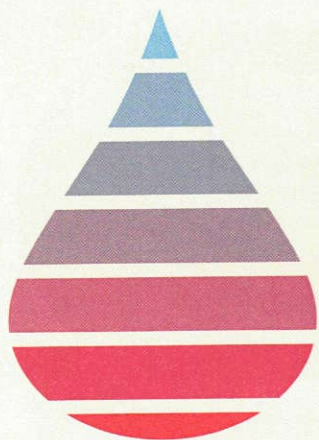
The industry's most comprehensive protection, built for operational continuity.

- No-cost repairs or replacements — even beyond standard warranty
- Free loaner program to eliminate downtime
- Replacement parts shipped within 3 business days
- Complimentary inspection and software upgrade after 5 years

Every Minute Matters.

In trauma care, minutes define outcomes.

The Warrior lite eliminates response delays with instant setup and consistent warming across every handoff, empowering clinicians to act fast, protect patients, and preserve life when seconds decide survival.



A 2024 study found **every one-minute delay in blood administration increases mortality by 11%.**

Warrior lite - built to perform when there's no time to spare.

Proven in the field. TRUSTED BY PROFESSIONALS.

The Warrior lite isn't theory. It's trusted technology used in more than 150,000 patient applications worldwide. From military medics and flight crews to trauma teams and critical care units, QinFlow systems are relied on to deliver when it matters most.

Clinicians choose Warrior lite for one reason: performance that never hesitates. It's the top-performing blood and fluid warmer in its class.

"The Warrior lite gives us confidence in every scenario. It's fast, reliable, and simple. When a patient's life depends on every degree, we trust QinFlow."

— Paramedic
U.S. EMS Agency

QUADRUPLE AIM OF HEALTHCARE

QinFlow technology supports every part of the care equation...

Improve Provider Experience

Simplify workflows.
Increase efficiency.
Refocus attention on patients, not equipment.

Improve Patient Experience

Enhance safety.
Enable faster intervention.
Improve comfort and satisfaction.

Improve Clinical Outcomes

Streamline care transitions.
Support rapid response.
Reduce complications.

Reduce Costs

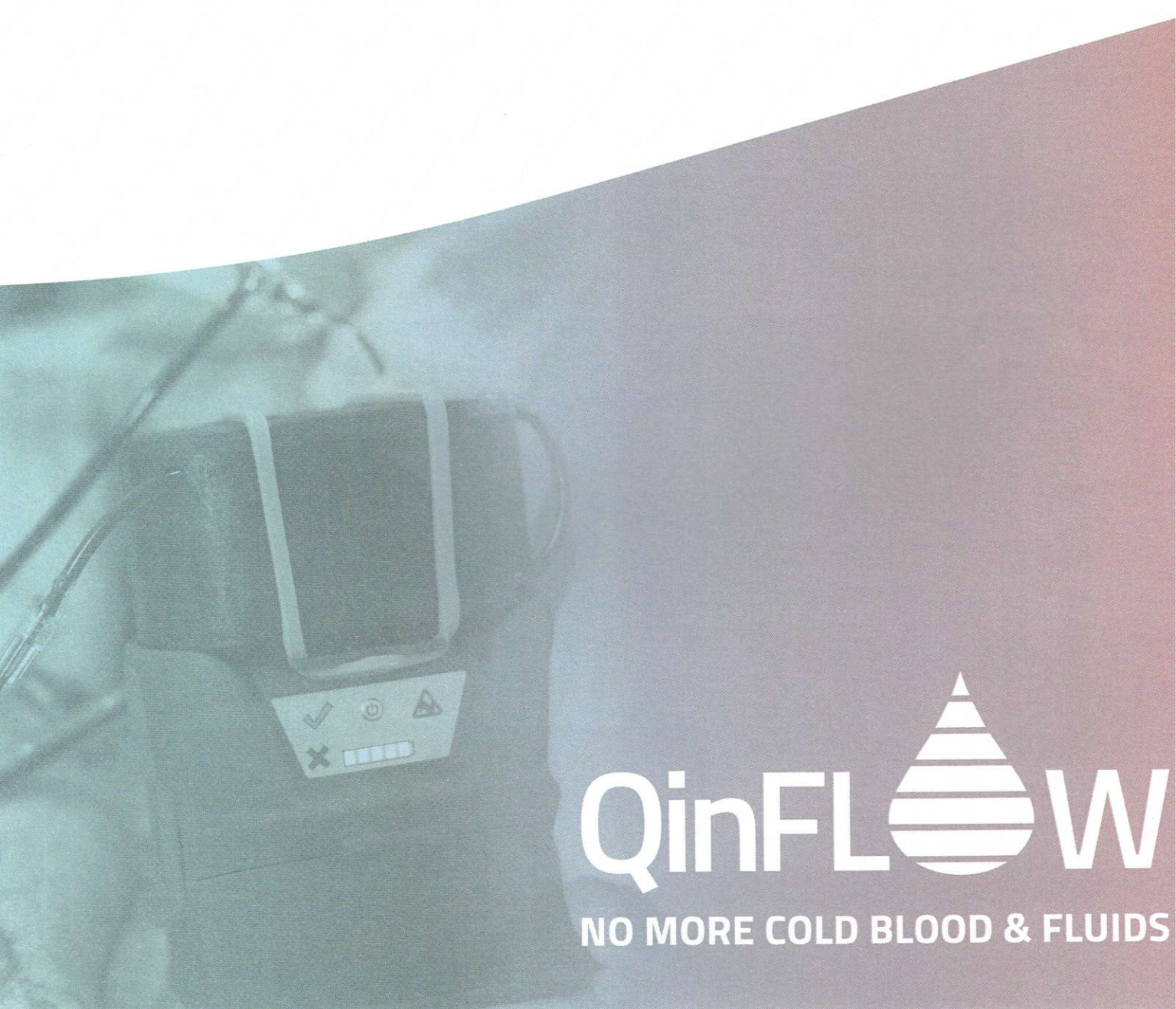
Cut waste.
Optimize training.
Strengthen operational efficiency at scale.

QinFlow.com

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QinFL  **W**

NO MORE COLD BLOOD & FLUIDS

Warrior lite

High performance yet compact and light weight blood and IV fluid warmer for use in combat and austere environments, across all echelons of care. Two battery options for optimal operational fit (lite and Extra Power battery).

January 2026 | Version 1



Warrior lite with lite Battery

Warrior lite with Extra Power Battery

Warrior lite Intro Set with Extra Power battery

Fed-Gov Part Number: Q1310S0000 / Q1310B0000 | NSN: 6515-01-727-6108

WARRIOR LITE INTRO SET

NSN 6515-01-727-6108

Set contains

- 1 x Base Unit (QIF03-BUA1000)
- 1 x Extra Power battery (QIF03-BTA2000)
- 1 x charger (MASCOT2541Li5C)
- 1 x charger adapter (QIF03-CHA1001)
- 1 x carrying bag (QIF03-SBG2000-BC)

KEY BENEFITS:

- **Compact and Light-Weight:** 2 battery-size options – lite and Extra Power battery – for optimal operational fit (see physical characteristic details below)
- **Simple to Operate:** Failsafe assembly, simple setup
- **Immediate Warming:** Within seconds
- **Top Delivery Rates:** Can keep up with a unit of whole blood delivered in ~2.5 minutes
- **Top Battery Capacity:** Up to 6 units of whole blood with a single charge of the Extra Power battery (approximately half capacity for the lite battery)
- **Special Bonus – Rapid-Infuser Ready:** The only warmer validated to operate in tandem with rapid bolus flow infusers such as push-pull, handpumps, or LifeFlow®
- **Highest Regulatory Envelope:** IEC 60601-1-12 and IEC, 60601-1-2:2014 (EMC standard 4th edition) certified; MIL-STD 461G RE102 & RS103 compliant

- **Defibrillator-Proof:** Disposable Unit is safe to be used jointly with a defibrillator
- **Designed for Austere Medical Settings:** Optimal for low-light environments. Silent operation suitable for military and tactical environments
- **No Calibration:** No need for periodic calibration
- **Practically Zero Maintenance:** 5 years between service cycles
- **Patent-Protected Smart Warming Technology:** Microprocessor-controlled smart warming technology that measures fluids temperature 100s of times a second and automatically adjusts warming to maintain 38°C / 100.4°F output
- **Safe Technology:** Gradual warming; real-time temperature sensing with auto-adjustments and visual indications; aluminum free (heat exchanger using medical grade stainless steel)
- **Field Proven Technology:** In continuous clinical use since 2014, with hundreds of thousands of field utilizations. Adopted by multiple military organizations and proven to perform reliably in combat and austere operational environments
- **Affordable Consumables:** Cost effective consumable design
- **Compelling Continuum of Emergency Care Proposition:** Same consumable can be used across the entire continuum of emergency care, simplifying patient handoff between emergency settings and reducing costs

For more information: info@qinflow.com

701 E Plano Pkwy STE 500, Plano, TX 75074 | QinFlow.com

PURCHASING INFORMATION

Part Number	Q1301B0000 (or Q1301S0000)	Q1310B0000 (or Q1310S0000)
NSN	NA	6515-01-727-6108
Set Content	<ul style="list-style-type: none"> • Base Unit (QIF03-BUA1000): Hosts the control module and LED indications (QTY 1) • Charger (MASCOT2541Li5C): Trade compliant universal charger for both batteries (QTY 1) • Charger adapter (QIF03-CHA1001): universal charger adapter for both batteries (QTY 1) • Carrying bag (QIF03-SBG2000-BC): Berry-compliant carrying bag. Hosts all the components above and up to 2 batteries, with an external compartment for 2 consumables or optional accessories (sold separately) (QTY 1) 	
	lite battery (QIF03-BTA1000): Rechargeable, Li-ion, 18.0V, 3.0Ah, 54.0Wh	Extra Power battery (QIF03-BTA2000): Rechargeable, Li-ion, 18.0V, 5.5Ah, 99Wh
Optional Accessories	<ul style="list-style-type: none"> • Mounting Unit (QIF03-MUA1000): To attach the Warrior lite to pole or rail • Extension Cable (QIF-CBL00019): To extend the distance between the base unit and the disposable unit and by that eliminate the need to use tubing extension if the Warrior lite is mounted remotely from the patient • 12-24V Charger (MASCOT-2544Li5C-LB) 	
	Spare lite battery (QIF03-BTA1000)	Spare Extra Power battery (QIF03-BTA2000)
Consumables	A box of 12 Compact Disposable Units, or "CDUs". The CDU is a per-patient sterile warming component, with up to 3 years shelf life. The CDU box is sold separately: Part Number: QPORT0500UBX12 NSN: 6515-01-703-3158	

PERFORMANCE

Set-Point Temperature	38°C (±2°C) / 100.4°F (±3.6°F)		
Warming Speed	In seconds		
Minimum Delivery Rate	KVO or 2 mL/min		
Delivery Rate ^[1]	Input	Output	
	5°C/41°F	36°C/96.8°F	Up to 190 mL/min
	4°C/41°F	38°C/100.4°F	Up to 170 mL/min
	20°C/68°F	38°C/100.4°F	Up to 250 mL/min
Battery Capacity ^[1]	# of Whole Blood Units per Single Charge	Up to 3 Whole Blood units	Up to 6 Whole Blood units
	Liters of Room Temp Fluids	Up to 2.5 liters	Up to 5 liters
Operation in Tandem with Rapid Bolus Flow Infusers	Validated		

REGULATORY ENVELOPE

Certifications	CE, FDA & Health Canada
IEC	IEC 60601-1 IEC 60601-1-2:2014 (EMC standard 4th edition) IEC 60601-1-12
Compliance	MIL-STD 461G RE102 & RS103

ENVIRONMENTAL SPECIFICATIONS

Storage Conditions	-20°C to 70°C (-4°F to 158°F) & 93% RH
Operating Conditions	-5°C to 50°C (23°F to 122°F) & 90% RH
Transient Operating Conditions	-20°C to 50°C (-4°F to 122°F) & 90% RH
Atmospheric Pressure /Altitude	549 to 1,060 hPa / -400 to 4,572 meter (-1,312 to 15,000 ft)
Ingress Protection (IP)	IP56

ADDITIONAL RESOURCES

Online Training	QinFlow.com/courses/warrior-lite-training/
Online Refresher Training	QinFlow.com/courses/warrior-lite-refresher-training-2/
Contact Us	info@qinflow.com

[1] Using standard IV kit and a 14G catheter. Blood products' flow rate may differ due to their viscosity. Output temperature and volume may differ based on ambient temperature, flow rate and battery condition.

°C = degree in Celsius | °F = degree in Fahrenheit Standard | " = Inch | AC = Alternate Current | BU = Base Unit | CDU = Compact Disposable Unit | cm = centimeter | DU = Disposable Unit | EN = European Norms | FDA = Federal Drug Administration | Ft = Feet | g = gram | hPa = hecto Pascal (100 Pascal) | H x W x L = Height x Width x Length | IEC = International Electrotechnical Commission | IFU = Instructions for Use | IP = Ingress Protection rating | IV = Intravenous | Kg = kilogram | KVO = Keep Vein Open | lb = Libra (Pound) | MIL-STD = Military Standard | mL/min = milliliter per minute | RH = Relative Humidity

Blood Warmers

Are Not Created Equal...

The Warrior lite redefines performance and safety, all while cutting ownership costs dramatically

Whole Blood Warming Considerations



The Warrior lite by QinFlow



The °M Warmer (photo credit to MEQU)



Quantum Warmer (photo credit to NAR)



Continuous Flow Delivery Rate

Source: (i) Third-party testing; (ii) respective U.S. IFUs. Note: Warrior lite delivery rate adjusted to 5-36°C range.

86 mL/min (18G)
200 mL/min (14G)

86 mL/min (18G)
150 mL/min (14G)

86 mL/min (18G)
100 mL/min (14G)



Pulsation (Bolus) Flow Delivery Rate

Estimated at 5-36°C range; 18-20G catheter. Note: Warrior lite delivery rate adjusted to 5-36°C range.

~200 mL/min

Not Supported
(Third-party testing)

Not Supported
(Incompatible proprietary tubing)



Device Impact on Whole Blood Quality

Source: U.S. User Manual.

N/A

From The °M Warmer IFU:
"FFP and Whole Blood may lose more than 20% of some clotting factors and platelets after warming with the device"

N/A



Per-Use Price

Source: Internal data on QinFlow price; public information on The °M Warmer and Quantum.

~\$100 MSRP

\$250 MSRP

\$150 MSRP

Fluid Warmers Are Not Created Equal...

The Warrior lite redefines performance and safety, all while cutting ownership costs dramatically



Clear Fluids Warming Considerations







The Warrior lite
by QinFlow



The °M Warmer
(photo credit to MEQU)



Quantum Warmer
(photo credit to NAR)

 <p>Continuous Flow Delivery Rate</p> <p>Source: U.S. IFUs and public company information; 21-36°C range.</p>	<p>270 mL/min</p>	<p>Not defined in IFU</p>	<p>200 mL/min</p>
 <p>Pulsation (Bolus) Flow Delivery Rate</p> <p>Estimated; 21-36°C range; 18-20G catheter; considerations apply, contact QinFlow for details.</p>	<p>~270 mL/min</p>	<p>Not Supported (Third-party testing)</p>	<p>Not Supported (Incompatible proprietary tubing)</p>
 <p>Device Impact on Fluid Quality</p> <p>Source: U.S. version of IFUs.</p>	<p>N/A</p>	<p>From The °M Warmer IFU (possible aluminum leaching concerns): "Do not use the °M Warmer with infusion fluids with a pH lower than 3 or higher than 8"</p>	<p>N/A</p>
 <p>Per-Use Price</p> <p>Source: Internal data on QinFlow price; public information on The °M Warmer and Quantum.</p>	<p>~\$100 MSRP</p>	<p>\$250 MSRP</p>	<p>\$150 MSRP</p>

Optional Accessories to Warrior lite Intro Set



Spare lite or Extra Power Battery

lite battery: QIF03-BTA1000

Extra Power battery: QIF03-BTA2000



Mount Accessory

QIF03-MUA1000



Extension Cable

QIF-CBL00019



12-24V Charger

MASCOT2544LI5CLT

Consumable for All Warrior Configurations NSN: 6515-01-703-3158



Box of 12 Compact Disposable Units (CDU)

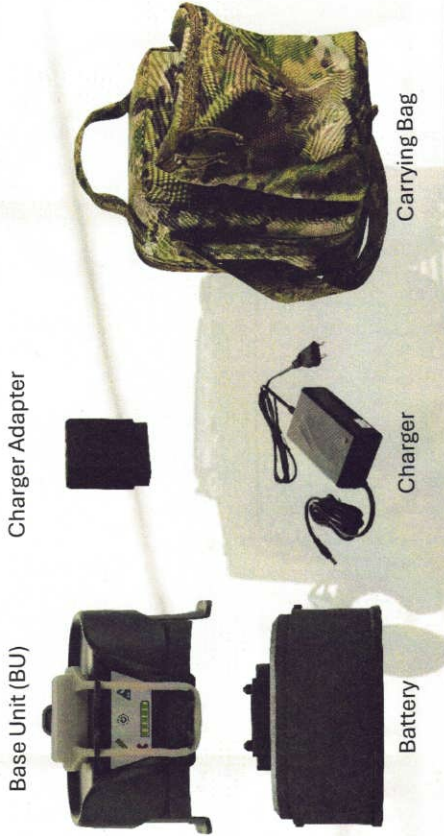
QPORT0500UBX12

Any patient. Any setting. Any infusion method.

ONE SOLUTION.

www.qinflow.com | info@qinflow.com | 29-Jan-2026 ver 2.0

Warrior lite Intro Set (Extra Power battery) | NSN: 6515-01-727-6108



PRODUCT DESCRIPTION

- High-performance and fast portable blood and IV fluid warmer for the entire continuum of care, with over 200,000 utilizations in clinical settings, including combat zones
- Set includes 1 x Base Unit (QIF03-BUA1000), 1 x Extra Power battery (QIF03-BTA2000), 1 x charger (MASCOT2541Li5C), 1 x charger adapter (QIF03-CHA1001), and a 1 x Berry compliant carrying bag with additional external compartment for consumables or optional accessories (QIF03-SBG2000-BC).

**** Note: Compact Disposable Unit (CDU) are purchased separately:
NSN for a box of 12 CDUs: 6515-01-703-3158**

- Certified for IEC 60601-1; IEC 60601-1-2:2014 (EMC standard 4th edition); IEC 60601-1-12; applicable sections of RTCA / DO 160G. Compliant with MIL STD 461G RE102 & RS103

DETAILS

- NSN: 6515-01-727-6108
- Part Number: Q1310S0000 / Q1310B0000
- MSRP: \$5,451.92
- Unit of Issue (U/I): 1 Each
- Manufacturer: Quality In Flow, Inc. (QinFlow), CAGE Code: 9R6U7
- Weight (Base Unit & battery): 2.39 lb / 1.09 kg
- Cube (Base Unit & Battery; H x W x L): 10.5 x 8.8 x 11.5 cm / 4.13" x 3.46" x 4.52"
- Made in Israel

BENEFITS & ATTRIBUTES

- **Max Delivery Rate (Input):** Up to 180ml/min for the full warming range (4°C-38°C / 39.2°F-100.4°F) and up to 200ml/min for the 5°C-36°C range (41°F-96.8°F)
- **Rapid Bolus-Flow Handling:** Uniquely verified for operating in tandem with rapid bolus flow infusers such as LifeFlow, hand pump, and push-pull (in addition to supporting standard pressure bag infusers)
- **Designed for Austere Medical Settings:** optimal for low-light environments; silent operation suitable for military and tactical environments
- **Battery Characteristics:** Rechargeable, Li-ion, 18.0V, 5.5Ah, 99Wh. Maximum battery capacity of 6 units of Whole Blood or 5 liters of room-temperature IV fluids. Up to 4 hours charge time for a fully discharged battery
- **Storage Conditions:** -20°C to 70°C (-4°F to 158°F); 93% Relative Humidity (RH)
- **Operating Conditions:** -5°C to 50°C (23°F to 122°F); 90% RH
- **Transient Operating Conditions:** -20°C to 50°C (-4°F to 122°F) & 90% RH
- **Atmospheric Pressure/Altitude:** -549 to 1,060 hPa/-400 to 4,572 meter (-1,312 to 15,000 ft)
- **Safe:** Aluminum-free fluid path

Gold Standard

blood and IV fluid warmers for the entire continuum of care.

www.qinflow.com | info@qinflow.com | 29-Jan-2026 ver 2.0