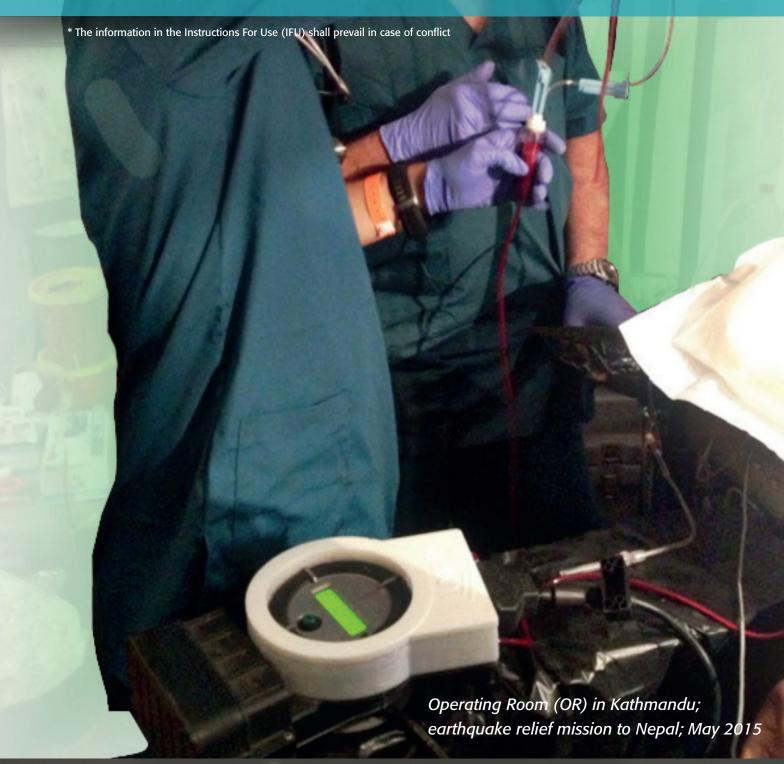




QiF-01("Warrior") Datasheet*

Version 21.1 | 10 May 2017



QinFlow Ltd.
Kibutz Einat, Israel 4880500
info@qinflow.com



Table 1: Physical Characteristics

NO MORE COLD BLOOD

System Components	 Base: Base Unit (BU) Disposable Units (DUs): Standard DU Compact DU^[1] Portable Energy Sources^[2]: Enhanced Battery Lite battery ^[1] Charger & Adapter AC Energy Source (optional): AC Power Supply Module ^[1]
Weights	 Base Unit: 700 grams (1.54 lb) Enhanced Battery: 880 grams (1.94 lb) Lite Battery: 460 grams (1.0 lb) Standard DU (in sterile bag): 140 grams (0.3 lb) Compact DU: (in sterile bag): 120 grams (0.26 lb)

AC Power Supply Module: approximately 2,900 grams (6.4 lb)
 BU with Enhanced Battery: 235×160×75 mm (9.25×6.5×2.9 in)
 BU with Lite Battery: 205×160×75 mm (8.0×6.5×2.9 in)
 Standard DU: 210×160×45 mm (8.2×6.5×1.8 in)

Standard DU: 210×160×45 mm (8.3×6.5×1.8 in)
 Compact DU: 6.6×12×7 mm (2.6×4.7×2.75 in)

• AC Power Supply Module: approximately 300×190×180 mm (11.8×7.5×7.1 in)

Enhanced Battery: Li-ion, 22.2VDC (nominal), 4,600mAh
 Lite Battery: Li-ion, 18VDC (nominal), 3,000mAh

• 110-120 or 220-240 VAC; 50-60 [Hz] | 12/24V

AC Electrical Specifications

• Input: 110VAC 7A RMS | 240VAC 3.5A RMS | 50-60 Hz

• Output: 24 VDC; 26.5A

Table 2: Performance Measures

Battery Warming Capacity	Up to 3 liters at 4° C (39.2°F) fluid input temperature and up to 5 liters at 20° C (68°F) fluid input temperature using single battery
Flow Rate (Gravity Feed)	KVO to 200/290 ml/min (battery/AC) for the full warming range (4-38°C / 39.2-100.4°F) and KVO to 290/500 ml/min (battery/AC) for the 20-38°C (68-100.4°F) warming range $^{[3]}$
Warming Speed	Up to 11 seconds
Output Set-Point Temp.	38°C (100.4°F)
Temperature Tolerance	± 2°C (± 3.6F) ^[4]

Table 3: Certifications		
CE	Certificate no. 7205GB410140129	
IEC	IEC 60601-1; IEC60601-1-2: 2007; IEC 62133	
FDA	510(k) K150404 ^[5]	
Canada	License no. 95781	
Other	EN 1789 compliant	

Table 4: Environmental Specifications		
Storage Conditions	-30°C to 70°C (-22°F to 158°F) [6]	
Operation after Storage	-5°C to 40°C (23°F to 104°F) ^{[6][7]}	
Atmospheric Pressure / Altitude	549 to 1,060 hPa / -400 to 4,572 meter (-1,312 to 15,000 ft) [8]	

Notes

- [1] Planned US availability: 2H 2017.
- [2] Note: battery part number QPORT1130 is in end-of-life stage.
- [3] Using standard IV kit and a 14G Venflon; blood products' flow rate may differ.
- [4] Attributable to various change-in-flow scenarios.
- [5] This document is adjusted to CE approvals; for exact performance of the FDA-cleared version, please refer to the relevant IFU or contact your QinFlow representative.
- [6] Under EN1789:2007 +A2:2014.
- [7] The benchmark tests were performed after storage at extremely cold temperature of -30 $^{\circ}$ C (-22 $^{\circ}$ F
- [8] In compliance with IEC60601-1-11:2010 section 4.2.2c.

QinFlow Ltd
Kibutz Einat, Israel 4880500
info@qinflow.com