


QiF-01 ("Warrior") Datasheet

Version 18.01 | 24 June 2016 

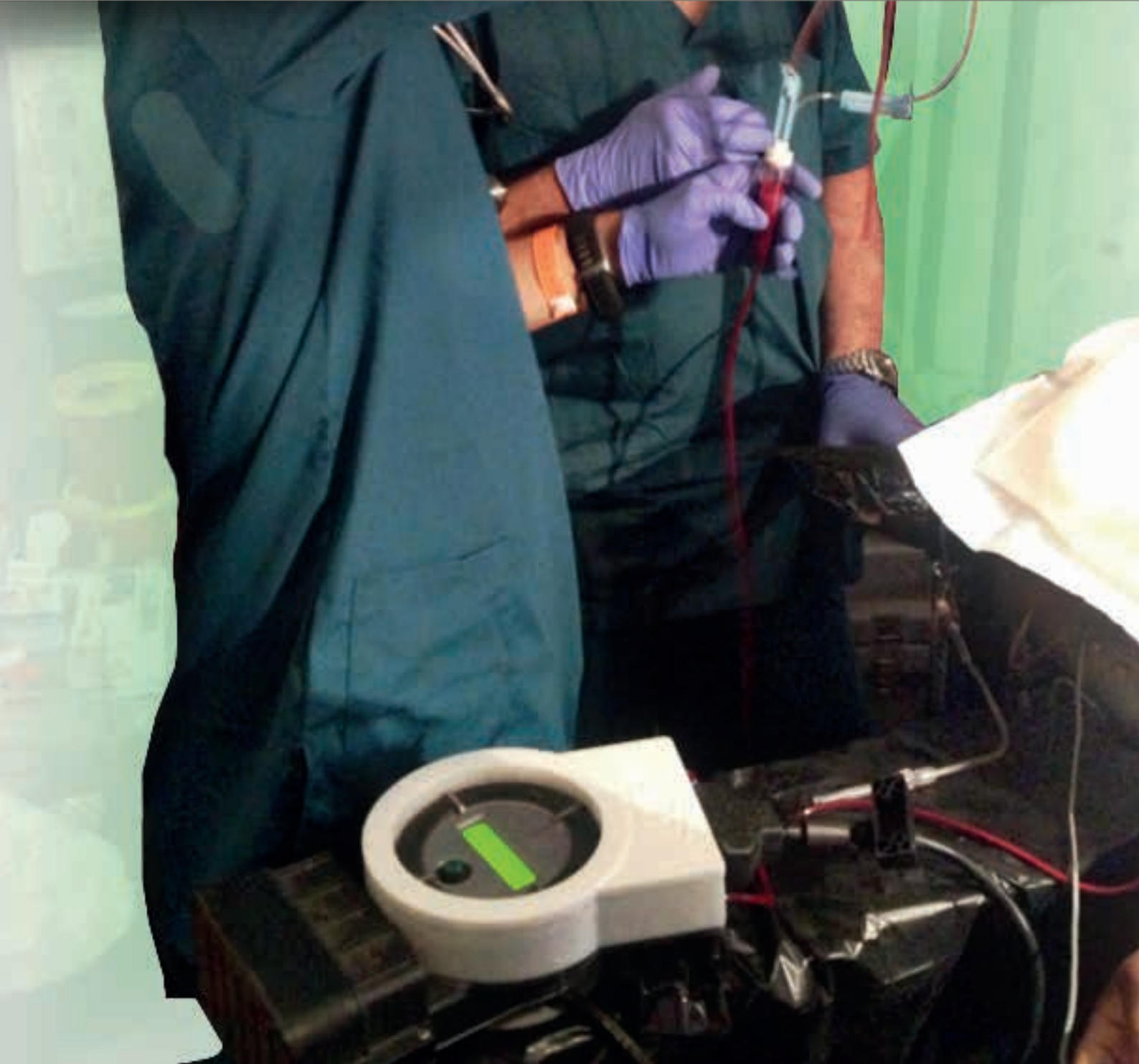


Table 1: Warrior's Physical Characteristics











System Components 	<ul style="list-style-type: none"> Base Unit (BU)  Disposable Unit (DU)  Battery and battery charger^[1]
Weight 	<ul style="list-style-type: none"> Base Unit: 700 grams  Battery: 880 grams
Size 	<ul style="list-style-type: none"> 1.9 liter (Base Unit and Battery) 
Battery Characteristics 	<ul style="list-style-type: none"> Li-ion, 22.2V (nominal), 4,600mAh 
Battery Charger Input Voltage 	<ul style="list-style-type: none"> 110-120 or 220-240 VAC; 50-60 [Hz] 12/24V

Table 2: Warrior's Performance Measures










Battery Warming Capacity 	Up to 3 liters at 4°C (39.2°F) fluid input temperature and 5 liters at 20°C (68°F) fluid input temperature using single battery 
Flow Rate (Gravity Flow) 	<ul style="list-style-type: none"> KVO to 200 ml/min for the full warming range (4-38°C / 39.2-100.4°F)^[2]  KVO to 500 ml/min for 20-38°C (68-100.4°F) warming range^[2] 
Warming Speed 	Up to 11 seconds 
Target Output Temperature 	38°C (100.4°F)
Temperature Tolerance 	± 2°C (± 3.6F) ^[3]

Table 3: Warrior's Key Certifications / Clearances












CE 	Certificate no. 7205GB410140129 
IEC 	IEC 60601; IEC 62133
FDA 	510(k) K150404 ^[4]

Table 4: Warrior's Key Environmental Specifications

Storage and Transportation 	-30°C to 60°C and 93% RH (-22°F to 140°F and 93% RH) 
Normal Operation after Storage 	-5°C to 40°C (23°F to 104°F) ^[5] 
Altitude 	-400 to 4,572 meter (-1,312 to 15,000 ft) 

Notes:

- [1] The battery specifications in this document refer to part number QPORT1180. Battery part number QPORT1130 is in end-of-life stage.
- [2] Using standard IV kit and a 14G Venflon; blood products' flow rate may differ. 
- [3] The tolerance is applicable to change in flow scenarios such as blockages, large air bubbles, and backflows.
- [4] For exact performance of the FDA-cleared version – please contact your QinFlow representative.
- [5] The benchmark tests were performed after storage at extremely cold temperature of -30°C (-22°F).