



# Product Contract

<b>Customer/User Need</b>	<b>Attributes</b>	<b>Engineering Specifications</b>
Keeps newborn at normal body temperature	Temperature Regulation	Baby temperature stays 36.5-37.5°C
Safe temperature for babies	Accuracy	Temperature measurement is accurate to 0.5° C
Retains heat during a power outage	Heat Retention	Maintains baby temperature for up to 30 minutes without power
Compatible with Firefly	Transparency	> 10 $\mu\text{W}/\text{nm}/\text{cm}^2$ of blue light reaches the baby
Portable over short distances	Weight	< 15 lbs (w/o baby)
Newborn can be accessed quickly	Accessibility	Total time to open is less than 3 seconds
Needs little to no maintenance	Longevity	3-5 year product life
Easy to clean and sterilize	Cleaning Time	Time to clean is < 15 minutes
Affordable for NGOs	Cost	< \$500