

ELLTEC

Portable Infusion Warmer

# FLEXWARMER

KZ-1 / KZ-2



***Self-generating heat  
enables use  
any time, any place***

Can be used to warm infusion

PAT.P.

# FLEXWARMER

The FlexWarmer requires no electricity or battery power. It is suitable for emergency transportation vehicles, field use, rescue or other applications where warming of infusions is indicated.

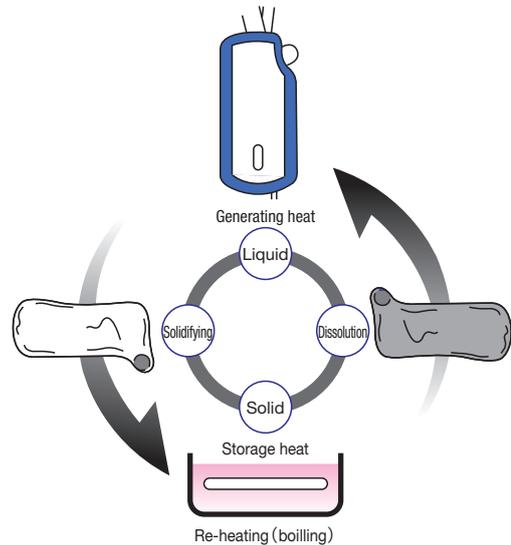


## 【Features】

- ① **Fully transportable** : the FlexWarmer requires no electricity or battery power.
- ② **Ready to use** : once the heating pack is activated, heat is generated for approximately one hour.
- ③ **Small and lightweight** : the FlexWarmer is ideal for any application.
- ④ **Cost-effective** : the heating pack is reusable up to 500 times. The unit does not require additional disposables, and accepts any standard I.V. tube set.
- ⑤ **Simple** : the heating pack is placed in the warming compartment, the I.V. tube set is placed in the warming channel, and heating is activated by 'snapping' the metal button.
- ⑥ **Quick** : the heating pack will reach optimum temperature in less than one minute, however, the FlexWarmer requires 2-3 minutes before optimum operating temperatures are available.

## 【Operating mechanism】

Heat is generated when the metal button inside the heating pack is 'snapped' activating the heat generation process of the heating pack. After approximately one hour, the heating pack will solidify, and heat generation will decrease. Used heating packs can be returned to their original liquid state for reuse by boiling for approximately 15 minutes. The heat packs continue to perform consistently after multiple uses.

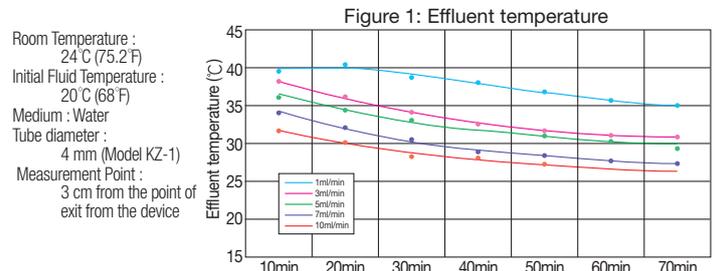


## 【Specifications】

Model Name	FlexWarmer
Model No	KZ-1 (tube diameter 3.1-4.1 mm) KZ-2 (tube diameter 4.1-5.0 mm)
Flow Rate	1-8 ml/min.
Maximum Heating Pack Temperature	55°C (131°F)
Warming Capabilities	60 minutes
Dimensions (Case)	185 x 82 x 47 mm (excluding suspension belt)
Dimensions (heating pack)	165 x 85 x 20 mm (in liquid state)
Weight	Warming Case: approximately 270g, excluding heating pack Heating Pack : approximately 200 g
Operating Temperatures	0°C - 35°C (32°F - 95°F) 0-95% RH
Heating Pack Materials	Heating Medium: Sodium Acetate (Food Additive) Metal Button: Stainless Steel

## 【Warming performance】

An example of the warming performance of the FlexWarmer is provided under the following conditions:



\* During operation, the temperature of the warmed fluid decreases over time due to heat loss from environmental factors.

\* The actual fluid temperature achieved is dependent upon external factors, flow rate, tube diameter and thickness, etc.

For further information, please contact our distributor or Elltec via E-mail: [international@elltec.co.jp](mailto:international@elltec.co.jp)

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