

VP1500 Infusion Pump



Excellent performance - low price !

Our **VP1500** infusion pump is compatible with most of the current silicone IV sets. This compact device works both on battery and mains supply and is perfectly adapted for veterinary use.

Applications:

- During surgery
- In reanimation
- On dehydrated patients

Flow and performance:

- Flow: from 0.1 to 1 500 ml/h
- VTBI: 0.1 to 9999 ml/h
- Accumulated volume: 1 - 9999ml, increment is 0.1 ml
- Accuracy: $\pm 5\%$
- KVO rate: 0.5 ml/h
- Bolus rate: from 0.2 to 1 500 ml/h
- Occlusion:
 - Low: 150 ± 113 mmHg
 - Medium: 525 ± 113 mmHg
 - High: 900 ± 180 mmHg
- Air bubble detection: High sensitivity air bubble detection up to $50 \mu\text{l}$; 5 levels selectable: $50 \mu\text{l}$, $100 \mu\text{l}$, $250 \mu\text{l}$, $500 \mu\text{l}$, $800 \mu\text{l}$

Display:

- Flow rate
- Programmed volume
- Accumulated infusion volume
- Battery load indicator
- Over (infusion completed)

Alarm:

- VTBI done, VTBI near done, KVO finish
- Air in line
- Door open
- Drop rate error
- Standby time expired
- Occlusion
- System error, system abnormal
- Battery low, battery empty
- Reminder
- AC power disconnection

Ergonomy:

- Compact and lightweight design for easy carrying
- 2.4 LCD screen
- Intuitive operation and easy to install IV sets



Technical data:

Flow:	1 500ml/h
Accumulated volume:	1 - 9999 ml
Accuracy:	$\pm 5\%$
Alarm volume:	8 levels
Dimensions:	250 x 90 x 150 mm
Weight:	1.45 Kg
Power:	100-240V, 50/60 HZ
Battery:	Lithium
Battery operation time:	> 4 hours @ 25 ml/h
Charging time:	≥ 6 hours
Date interface:	RS232



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Application fields

1. Intensive care

A continuous infusion is vital to any dehydrated patient.

The flow rate is conditioned by the required volume and the duration of the infusion:

Volume to infuse = initial deficit to compensate (1) + maintenance need (2) + loss (3)

(1) Deficit to compensate in litre = Weight (Kg) x % of dehydration / 100

Example: 3 kg cat dehydrated by 15% -> $Q = 3 \times 0.15 = 0.45$ l (450 ml)

(2) Maintenance need:

Large dog = 60 ml/kg/24h - Medium dog = 50 ml/kg/24h - Small dog or cat = 40 ml/kg/24h

(3) Loss:

4 ml/kg vomiting - 200 ml/kg diarrhea - 1 - 2 ml/kg urinating

2. Surgery

An animal whose infusion was correctly set will wake up faster (no hypovolemia), moreover, the kidney insufficiency risk is considerably reduced.

During surgery:

Low blood loss:	10 ml/kg/h
Normal blood loss:	15 ml/kg/h
High blood loss:	20 ml/kg/h
Infusion liquid :	Lactated Ringer's solution

Post-operative care until discharge : 2 ml/kg/h

Infusion liquid: 1/3 of isotonic sodium chloride solution, 2/3 of isotonic glucose solution

Long-term infusion:

Long-term infusions show much better results than other ways of administration.

Accuracy:

By means of an IV pump the animal can be supplied with exactly the necessary volume of medication or liquid according to its size and needs.

VP 1500 beneficials:

VP 1500 infusion pump can be used with most of the current IV sets. The investment gives an excellent return. Moreover, an infusion pump is comfortable and safe both for you and your client and ensures advanced care efficiency.



Distribution :

