

# INFUSION PUMP

## ManoPump iV1



### PRACTICAL, ERGONOMIC AND EFFICIENT:

- Small and light (1.45 kg)
- Kennel mount and IV stand support included
- High-performance battery (up to 10 hours run time)
- Large touchscreen (4.3''-10.75 cm) for a clear display of parameters including infusion time left
- Many settings available such as:
  - ✓ Overall infusion volume
  - ✓ Requested flow
  - ✓ Infusion total time
- High sensitivity of settings (bubbles and occlusion pressure)
- Transfusion compatible



# Application fields of an infusion pump



## • Intensive care

A continuous infusion is vital for any dehydrated patient.

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

1 - Initial deficit to compensate

Deficit to compensate (liters) = Weight (Kg) x % of dehydration / 100

Example: 3 kg cat dehydrated by 15% ->  $Q = 3 \times 0.15 = 0.45 \text{ l}$  (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

## • Surgery

A correctly perfused animal will wake up faster (no hypovolemia), moreover, the kidney failure risk is considerably reduced.

Recommendation for intraoperative infusion flow rates:

Low blood loss: 10ml/kg/h - normal blood loss: 15ml/kg/h - high blood loss: 20ml/kg/h

During postoperative process, the infusion must be maintained until the patient wakes up.

The **ManoPump iV1** infusion pump is equipped with a battery running up to 10 hours :

- ✔ to monitor the patient before, during and after the surgery
- ✔ to allow uninterrupted operation even in case of power shortages
- ✔ to be used at the clinic as well as outside (home-based care, transportation)

## ManoPump iV1 technical data:

▶ Accumulated volume	From 0.1 to 9999 ml
▶ Touchscreen	4.3'' (10.75 cm)
▶ Infusion time left	Yes
▶ Flow	From 0.1 to 2000 ml/h
▶ Modes	Flow and volume • Overall length and volume • Overall length and flow • Body mass • Saved modes • Micro mode
▶ Accuracy	+/- 5%
▶ Air bubble detection	20, 50, 100, 200, 400, 800 µl
▶ Occlusion settings	5 levels (50, 150, 300, 600, 900 mmHG)
▶ Entry capacity	Up to 2000
▶ Data review	5000
▶ Quick setting use	Access to the 20 latest settings
▶ Protection classification	IP44
▶ Dimensions and weight	13x9x14 cm - 1.45 kg
▶ Operating life	10h at 25 ml/h
▶ Power	100-240V, 50-60 Hz
▶ Safety and operating alarms	Yes
▶ Self-diagnostic	Yes
▶ Mounting system	IV stand support and kennel mount included



IV stand support



Kennel mount



**Mano Médical**  
by **génia**

22 rue Charles de Gaulle  
22100 Lanvallay - France  
Tel. +33 (0)2 96 85 86 76

[export@manomedical.com](mailto:export@manomedical.com)

[www.manomedical.com](http://www.manomedical.com)