

General comments: (see also “Equipment Setup”, “Vet use” & “FAQ” on www.anaequip.com)

- **Minimum flow recommended is 300 ml/min.** This allows for small leaks; in addition some vaporizers become inaccurate below this flow. **Read advice below if using nitrous oxide.**
- For almost all **healthy animals under 50kg**, a maintenance flow of **500 ml/min** will be enough! Reason: the efficiency of the ADE-circle is significantly better than all other systems. See website for details.
- **A premedication with analgesic drug** (eg morphine) is synergistic with the volatile agent with the result that vapour and fresh gas flow requirements can often be reduced.
- If a monitor (capnograph or vapour) that samples gas is being used, the **sample flow** (often 200 ml/min) **must be added** to the recommendations suggested.

Basic Recommendations: All cats, dogs & other small animals up to 7 kg

Circuit factor = 0.5 – 0.7: FGF 70-100 ml/kg/min. The ADE system is highly efficient!

- **If using nitrous oxide, the oxygen flow must be at least 30% of the mixture ie 2 (N₂O): 1 (O₂) ratio.**
- **Remove canister** - No recycling through soda lime
 - use ½ litre reservoir bag.
- **Leak test is essential before each anaesthetic.**
 - Exhaust valve **fully open.**
- **Pre-fill** system with **oxygen and vapour** before connecting to patient. This considerably speeds up induction.
- **Start with induction flows and reduce to maintenance levels** on reaching level of anaesthesia required.
- **Adjust vaporizer %** on clinical signs, but **keep flows as recommended.**
- For **quick** adjustments in vapour %, empty bag & fill with new % at high flows: reduce when bag full.

Weight Kg	Induction flow pre-fill system with O ₂ + vapour	Maintenance premed with analgesic healthy animal	Maintenance No analgesia in premed or compromised animal
0-3 kg	500 ml/min	300 ml/min	400 ml/min
3-4	500	300	500
4-5	600	350	600
5-6	700	400	700
6-7	800	500	800

Basic Recommendations: Animals over 7 kg up to 100kg

Circuit factor = 0.1 – 0.3: FGF 10 - 30 ml/kg/min. The ADE-circle is highly efficient!

- **If using nitrous oxide, the oxygen flow must be at least 300ml and at least 50% of the mixture.**
- **Attach canister** – change soda lime if exhausted
 - use 1 litre reservoir bag (2 litre over 50kg)
- **Leak test is essential before each anaesthetic.**
 - Exhaust valve **fully open.**
- **Pre-fill** system with **oxygen and vapour** before connecting to patient. This considerably speeds up induction.
- **Start with induction flows and reduce to maintenance levels** on reaching level of anaesthesia required.
- **Adjust vaporizer %** on clinical signs, but **keep flows low as recommended.**
- For **quick** adjustments in vapour %, empty bag & fill with new % at high flows: reduce when bag full.

Weight Kg	Induction flow (30 ml/kg/min) pre-fill system with O ₂ + vapour	Maintenance (10 ml/kg/min) healthy animal	Maintenance (20 ml/kg/min) compromised animal
7-10 kg	500 ml/min	300 ml/min	300 ml/min
10-15	500	300	300
15-20	600	300	400
20-30	900	300	600
30-40	1200	400	800
40-50	1500	500	1000
50-60	1800	600	1200
60-70	2100	700	1400
70-80	2400	800	1600
80-90	2700	900	1800
90-100	3000	1000	2000

ONLINE SHOP NOW OPEN for ADE, spares, tubes Website: www.anaequip.com.

For more general information see “Veterinary Uses”, “Equipment Setup” + “FAQ” sections
Anaequip-Vet UK, 2 Millstream Bank, Worthen, Shrewsbury, SY5 9EY, UK. Tel/Fax 01743-891140 sales@anaequip.com