



# SUMMIT MEDICAL

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## Equipment Company

*Premiere inhalant anesthesia systems for research and private practice veterinarians*

Thank you again for contacting me with respect to your need for an inhalant anesthesia system. I sincerely appreciate this opportunity to work with you. Please note that there are many different parameters to evaluate in order to design a system which will best serve your needs. I wish to make sure that you have everything you need and nothing quoted that you do not need. Below is a short list; and I may find that there are other questions that come up later. In order to serve you better we can also have a virtual visit via ZOOM, SKYPE, or FaceTime.

There are many, many different considerations when designing an inhalant anesthesia system. Here is a short list to help us to fulfill your needs:

1. What type of O<sub>2</sub> (or other carrier gas such as Med Air, N<sub>2</sub>O, N<sub>2</sub>, etc) supply do you have in your Lab?
  - a. Piped-in? If so, what kind of fitting to engage into the O<sub>2</sub> system. That is, is the fitting a DISS O<sub>2</sub> Demand Valve or a Female Quick Disconnect (these are the most common).
  - b. H-Tank? This is the large tank that stands about 56" tall with a 9" diameter. Do you need a regulator for this sized tank? We highly recommend a Medical Grade Non-Adjustable 50 PSI Pre-Set Regulator. This is actually less expensive than the adjustable type.
  - c. E-tank? This is the small tank that is about 33" tall and 4" diameter. Do you need a regulator for this sized tank? Do you need a cart to hold two of these tanks? Again, we would recommend a Medical Grade regulator. The E-tank is generally attached to an anesthesia system to provide portability.
  - d. Dual Gas Supply (E-tank and H-Tank or Piped-in)? This will be needed if you have two sources of O<sub>2</sub> and wish to use the E-tanks in some areas but not at the same time of using the H-tank or Piped-In O<sub>2</sub>.
  - e. Do you need an O<sub>2</sub> hose. If so, how long does the O<sub>2</sub> hose need to be? 10 feet? 15 feet? More? Less? This hose goes from Piped-in O<sub>2</sub> to the anesthesia system.



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- f. Do you need quick disconnects on the O2 hose? Or the standard DISS O2 female connections.
2. What species will you be anesthetizing?
- a. Avian?
  - b. Pocket Animals / Exotics?
  - c. Feline / Canine?
  - d. Rodents -- specify either mice or rats..... or both?
  - e. Rabbits or other?
  - f. Larger species such as swine, dogs, sheep, etc.
3. What area of the anatomy are you studying? What is the area of interest?
- a. Brain
  - b. Thorax
  - c. Extremity
  - d. Other
4. How many fresh gas delivery devices will you need?
- a. Induction Chamber
  - b. NRB Nose Cone / Face Mask
  - c. Bain Manifold / Universal Control Arm
  - d. Imaging Device? Ultra Sound, MRI, mPET, mCT, Optical Imaging, etc.
  - e. Stereotaxic Frame
  - f. Other?
4. What type of WAG (Waste Anesthetic Gas) management system will you be using?
- a. In-House Vacuum
  - b. Chemical Fume Hood
  - c. Snorkel
  - d. DownDraft Table / BackDraft Table
  - e. Any non-recirculating vent
  - f. Passive flow from inside Lab to outside the Lab.

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- g. Activated Charcoal
5. What platform for the anesthesia system do you require:
- a. Mobile, self-contained, on wheeled base?
  - b. Table Top with or without RB head and/or NRB system?
  - c. Wall Mount? We have the PAM in a Wall Mount platform.
6. We usually provide a Dual Diverter Manifold that makes it simple to divert fresh gases to both the Induction Chamber and the NRB nose cone. This is also available as a Tri-Diverter Manifold for delivery to 3 fresh gas delivery systems.
- a. Will there be a 3rd device where you need fresh gas?
    - 1. Stereotaxic nose cone?
    - 2. Imaging device?
    - 3. Other?
7. What anesthetic do you wish to use?
- a. IsoFlurane?
  - b. SevoFlurane?
  - c. Both?
8. Would you like a NEW or Reconditioned vaporizer? I have certified, cleaned and calibrated vaporizers that can save you approximately \$300 vs. buying new (subject to availability).
- a. Our NEW IsoTec 3 vaporizers have a larger sump (storage for the liquid Iso) than older IsoTec 3 vaporizers. The sump will hold approximately 250cc vs. 125cc for the older vaporizers.
  - b. We typically have Drager 19.1, IsoTec 4, Ohio 100F funnel fill, cagemount, vaporizers.
9. All anesthesia equipment (except disposable items) are guaranteed 3 years whether new or reconditioned.



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As I mentioned, these are some of the basic questions. Once we begin a dialogue, we can fine tune your needs to exactly what you will need.

And, once we learn about the system you require, we would be happy to send you a quote.

Thank you again for your interest in our products and services. We are here to help if you have any questions and/or concerns. We sincerely appreciate the opportunity to work with you on this system.

Best regards,

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