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### Darvall Smooth Wall Heated Breathing Circuit Presentation Sheet

DarvallVet is pleased to present this information about one of our company's lead products, the Darvall Smooth Wall Heated Breathing Circuit. Below you will find useful information about our company, your representative, and our featured product.

**COMPANY:** **DarvallVet** – a division of Advanced Anesthesia Specialists  
Phoenix, Az – 866-931-3292  
<http://darvallvet.com/>

**NAME of REPRESENTATIVE:**  
Ken Crump  
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**PRODUCT NAME:** Darvall Smooth Wall Heated Breathing Circuits

**PRODUCT PURPOSE:** **Warm from Within** - Heated Breathing Circuits deliver **warm inspired anesthetic gases** from the moment of intubation, effectively treating anesthesia-related hypothermia

#### IMPORTANT FACTS CONCERNING THE PRODUCT AND ITS USE

1. Each stage of a procedure presents unique hypothermia challenges...
  - a. Premedication - Dogs and cats typically **lose 1° to 2°F**
  - b. Clip and Prep - critical **loss of 2° to 5°F** body heat occurs in the first 15 to 30 minutes after induction
  - c. Surgery - Once the animal is draped for surgery, heat loss **slows, but continues**
  - d. Recovery - Warming hypothermic animals recovering from anesthesia is **slow and labor-intensive**
2. The rapid loss of 2° to 5°F that occurs during the clip and prep period can be prevented by delivering **warmed inspired anesthetic gases** from the moment of intubation.
3. Warmed inspired gas allows you to **capture** control of a patient's **body temperature** from the moment of intubation, at induction. **Warm From Within**
4. A sensor molded into the tubing at Y piece monitors gas temperature and a microprocessor controls the heat. An esophageal temperature probe provides **closed-loop feedback**, where the microprocessor monitors the animal's body temperature also. If either sensor detects temperature above the presets, the microprocessor turns off the heat.
5. Cold dry compressed gas is a very poor conductor of heat, and from the end of the heated tubing to the end of the endotracheal tube the warmed gas typically loses 18°F. Therefore the gas in the inspired limb of the anesthesia circuit is heated to 109°F to 114°F, resulting in safe gas temperatures in the animal's airway.

#### INFORMATION ABOUT AVAILABILITY, DISTRIBUTION, ORDERING:

Darvall Smooth Wall Heated Breathing Circuits are manufactured and distributed world-wide by Advanced Anesthesia Specialists. Orders in the US are filled by the North American division of Advanced Anesthesia Specialists, **DarvallVet**. You can purchase online at <http://darvallvet.com/> or call us at 866-931-3292 and we would be happy to help you with your order.

#### INFORMATION ABOUT COST:

DarvallVet offers several packages which include the Smooth Wall Heated Breathing Circuits. For a limited time, we offer the **Darvall SW Heated Breathing Starter Set**, which includes the Warm Inspired Air Control Unit, a 12mm SW Heated Breathing Circuit for animals up to 45#, and a 16mm SW Heated Breathing Circuit for animals over 45# for **\$850** – a savings of over \$145. Additional discounts are available for orders of multiple units.

#### COMPETITIVE ADVANTAGE (why is this product better than competitors?):

Advanced Anesthesia Specialists makes the only warm inspired air control unit and heated breathing circuits in the world.

#### WE WOULD BE WILLING TO PRESENT OUR PRODUCT ON A COMPANY CALL

Contact: Ken Crump – [kcrump@darvallvet.com](mailto:kcrump@darvallvet.com) – 866-931-3292 ext 102