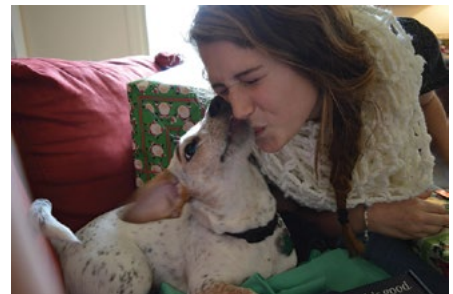


# VETLAND

Medical Sales & Services, LLC



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

# Why Vetland Medical?

*Vetland Medical has been leading the way in veterinary medicine for the past two decades by bringing to market new and innovative technologies that aid the veterinary practitioner in providing the best patient care possible. We witnessed what was available and knew there was a better way.*

*On the following pages, the historical timeline demonstrates our ability to see a need and go to work designing, testing, and making available cutting edge products that benefit the veterinary community.*

*Vetland Medical set out to offer equipment, supplies, and services that are at the peak of quality engineering, performance, reliability, and support with a focus on cost containment. Our references and testimonials are evidence to that achievement.*

*Our success is due to our talented, hard-working experts who strive every day to build the best veterinary equipment and possess a driving commitment to total customer satisfaction.*

*At Vetland Medical, we want every customer to be a positive reference to our equipment, abilities, and long-term support.*

*Thank you for your consideration and please allow us to serve your needs.*



**Brad Rumph**  
**President**



Images throughout this catalog were submitted by Vetland employees of their extended fur families. Cover: Top Row L-R: Shelby with the family Bassett Hound, Lucy. Cailtin wearing clover necklaces with Scarlett. Karyn with her buckskin mare, Savannah. Second Row: Lizard dog kissing the bride, Mandi. Brad with Tomcat, the dog. Lindsey and Dustin pose with Nala. Third Row: Brandon is hanging out with Apollo, the Hedgehog. Emory napping with Jane, who adopted his family. Grace getting kisses from Cadence.

# our timeline

1998



- Vetland Medical started operations
- Provided on-site field services such as maintenance, calibration & repairs of anesthesia systems throughout the Midwest

## LANDMARK

- Introduced the Landmark Series of anesthesia machines



1999

- Introduced the Vetland D19 Vaporizer with "calibrated for life" feature & industry's longest warranty - 10 years



**CALIBRATED FOR LIFE**

2001

- Opened the Vaporizer Service Center providing cleaning, calibrating, conversions & repair services for all models of vaporizers



2003

- Signed first domestic distributor



2005

- Launched the LAS-4000 Large Animal System

## LAS 4000



- Launched the Industry's first Electronic Anesthesia System- the EX3000, which focuses on patient safety



- Signed first International distributor

2006

- Received patent on EX3000



2014



- Introduced the Vetland line of patient monitors- V1407, V1410 & V1412

- Introduced the e2 Oxygen Concentrator as the only compact unit providing the required 50 PSI to drive anesthesia systems



- Launched EcoSorb CO<sub>2</sub> Absorbent. Economically & Ecologically, the best for CO<sub>2</sub> removal



EcoSorb

2016

- Introduced the Vetland D20 Anesthesia Vaporizer



- Introduced the Serenity Infusion Pump



2017



- Launching the Harmony 5 Electronic Anesthesia System with SpO<sub>2</sub> & CO<sub>2</sub> monitoring capabilities



- Introducing the LAS-3000 Manual Ventilation Large Animal System
- Introducing the Varsity Small Animal Cabinet System



## OUR PROMISE

Since 1998, Vetland Medical has been committed to offering the veterinary community the BEST option for operating room equipment. Specifically, anesthesia equipment, patient monitoring, and oxygen supply.

Our product line of cutting-edge goods continue to develop toward perfection.

The secret to our success. . . We listen to YOU - our customer!

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Small Animal  
-Electronic Systems  
-Landmark Series

Exotic & Very Small Animal  
-Non-Rebreathing System

Large Animal  
-Large Animal System



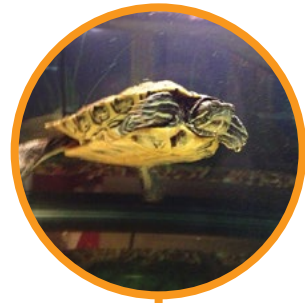
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Vaporizer Mount Options  
Vaporizer Service Center  
VaporizerExchange Program



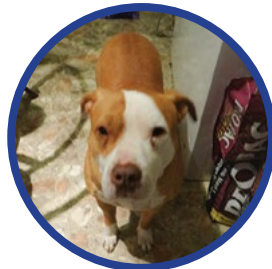
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## A FEW THINGS TO CONSIDER WHEN PURCHASING AN ANESTHESIA SYSTEM

### DELIVERY SYSTEM (see pages 2-26)

- How and where will the machine be utilized?
- Do you need a mobile, table, wall, or ceiling mounted system?
- What are your space constraints?
- Do you need storage space and/or surface area for supplies or a monitor?
- Do you prefer circle system, non-rebreathing, or both?

### VAPORIZER (see pages 28-30)

- What anesthetic drug do you wish to use (Sevoflurane, Isoflurane, or Both)?
- Do you prefer a funnel fill or key fill vaporizer?
- What vaporizer manifold will you require?
- What style vaporizer do you prefer? :

D20  
D19  
Internal Vaporizer System  
Tek 4  
Tek 3  
Ohio  
Drager 2000

— Please see pg. 28-29 for vaporizer differentiation

### OXYGEN SUPPLY (see pages 34-44)

- Do you have or need an oxygen manifold system?
- Will you use an oxygen concentrator?
- Will you use small E-Tanks on mobile systems?
- Will you use larger H-Tanks plumbed to the work area?
- Will you be using E-Tanks in addition to H-Tanks?
- Where will tanks be located and how will they connect to your oxygen piping?
- Will hard copper lines or soft oxygen hoses be utilized?
- Will you be utilizing wall outlets or ceiling hose drops? Lengths? Distances?
- Do you want quick connects or DISS screw together connections?
- Will you need surface-mount outlets or recessed outlets prior to drywall installation?

### VENTILATION (see pages 56-58)

- Do you prefer volume ventilation, pressure ventilation, or both?
- What size patients will you be ventilating?
- What size bellows will you need?
- Will your patients be spontaneously breathing? / Do you even need a vent?
- Will your vent be mounted to the anesthesia machine or on its own roll stand?
- Where is the oxygen supply for the vent sourced?

### WASTE GAS EVACUATION (see pages 60-61)

- Will you be venting to the outdoors?
- Can you access an outside wall?
- Vacuumed or blown out of building?
- Will a charcoal filter system be used in lieu of venting to outdoors?
- How many stations will need to be evacuated?
- Will you need single stations or clinic-wide system?
- Do you prefer wall-mounted or machine-mounted scavengers?

**DO NOT FEEL OVERWHELMED -  
WE CAN HELP YOU ANSWER ALL OF THESE QUESTIONS**

**JUST CALL US!**

Phone: 502-671-1014 / Toll Free: 866-476-0589

Email: [info@vetlandmedical.com](mailto:info@vetlandmedical.com)

# SMALL ANIMAL ANESTHESIA SYSTEMS



# EX3000

## Electronic Small Animal Anesthesia System

### THE FUTURE OF ANESTHESIA IS HERE!

The focus on safety has led Vetland Medical to design the EX3000 - the **only** veterinary electronic dual drug delivery system in the world with **safety monitoring** ability. The EX3000 is proving to be the fastest growing choice among veterinary professionals. The EX3000 utilizes cutting-edge technology for a safer, more powerful system.

ANESTHESIA SYSTEMS

mayo tray - 13.75" x 9.75"



#### EX3000 Standard Features

- Color touch-screen display
- Key or funnel fill vaporizer ports
- Heat and moisture conserving coaxial absorber
- **Delux Safe™** APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Quick disconnect fresh gas outlet for non-rebreathing applications
- Mayo tray
- 5-leg base with lifetime caster replacement
- Accessory kit\*

#### Top 5 Things that Lead to Accidents & Injury:

1. Excessive Pressure to the Lungs
2. Excessive Anesthetic Agent
3. Lack of Oxygen to the Brain
4. Lack of CO<sub>2</sub> Removal
5. Foreign Matter Entering the Airway

**The EX3000 monitors clinical scenarios and alerts users BEFORE they become emergencies**

#### What Makes the EX3000 Great?

- Neat, balanced, compact design
- High accuracy dual-drug delivery (Iso/Sevo)
- Continuous self-testing verifies proper function
- Back cover to protect all tubing connections
- Corrosion-proof construction
- Low-flow kit available
- Time/date & case clock
- User-adjustable parameters
- 1030 cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- Alarms/configuration communications window
- **24 x 7 x 365 technical support**
- **1 Year Warranty**

See pages 12-13 for wall & ceiling mount options

**EX3000-USA** Dual Electronic Vaporizer System with Ventilation Monitors (funnel fill)

**EX3000-INTL** Dual Electronic Vaporizer System with Ventilation Monitors (International-keyfill)

- \*Included Accessory Kit:
- Adult F Breathing Circuit
  - Modified Jackson Rees Non-Rebreathing Circuit
  - 1 Bag EcoSorb • 2-Liter Breathing Bag • 3-Liter Breathing Bag
  - Operator's Manual



**Diane Wagner, DVM**  
Dallas, TX - About her EX3000:  
**"We wouldn't give it up for anything."  
"It's the best machine on the planet."**

# EX3000

## SAFETY INSPIRED

### HAS THIS EVER HAPPENED TO YOU?

The oxygen tank runs empty

The pop-off valve is mistakenly left closed

The vaporizer is inadvertently left at induction levels

Breathing valve or vaporizer malfunctions

ANESTHESIA SYSTEMS

Delays in recognition of adverse conditions are no longer a matter of **LIFE & DEATH**

**The EX3000 alerts users for these, and many other, clinical scenarios BEFORE they become emergencies**

#### Visual & Audible Alarms for the top 5 anesthetic risk parameters

- Oxygen Supply Pressure Monitor
- Breathing Pressure Monitor
- Apnea Monitor and Audible Breath Sounds
- Anesthetic Drug Level Monitor
- Anesthetic Concentration Monitor for Isoflurane and Sevoflurane

### All EX3000 Alarms

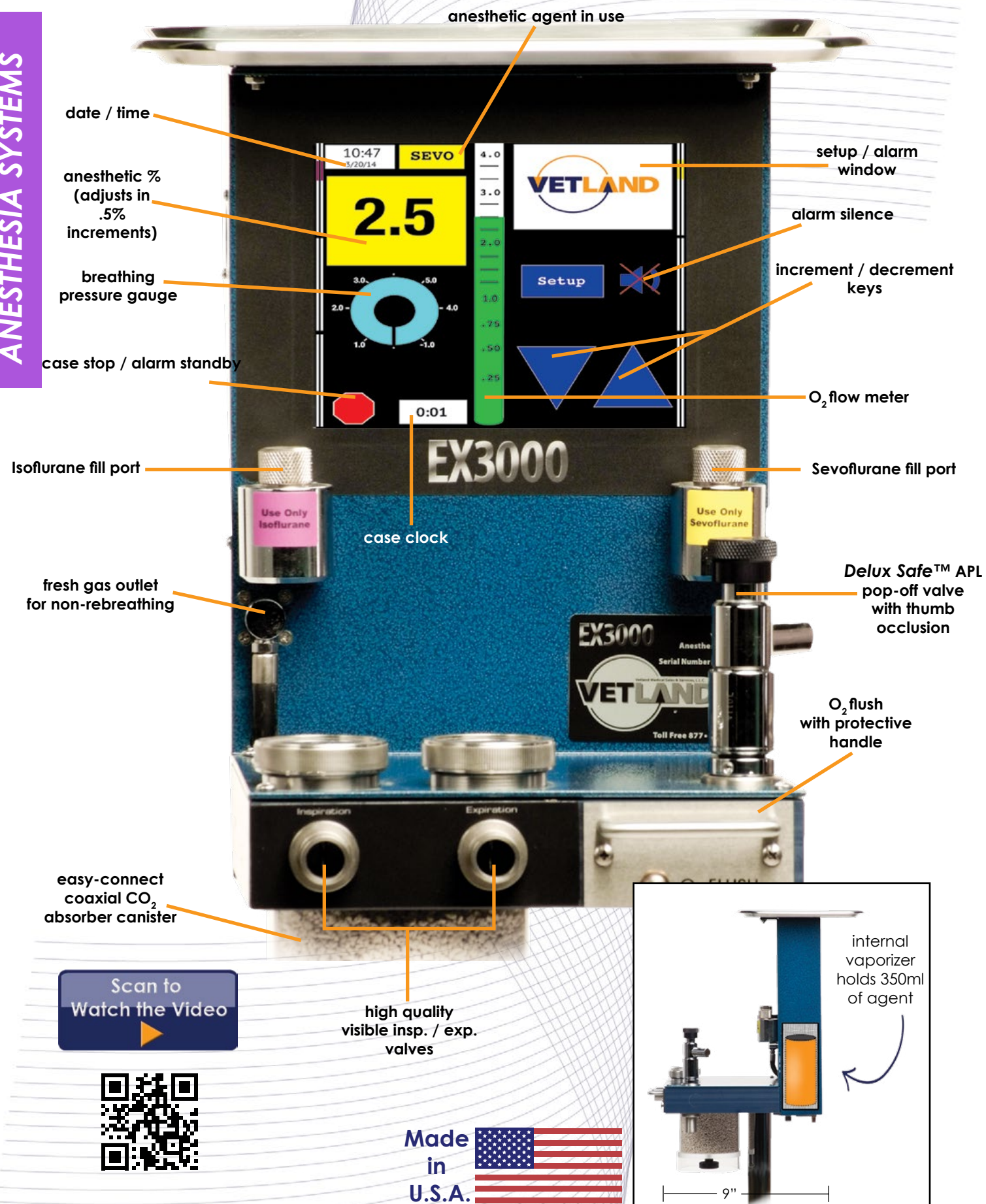
Audible Breath	On/Off
Apnea Breath Volume	10-100 (intervals of 10)
Apnea Alarm	On/Off
Apnea Alarm Elapsed Time	5 to 30 sec. (intervals of 5 sec.)
High Pressure Alarm	10-60 (intervals of 1)
Continuing Pressure	10-60 (intervals of 1)
Screen Brightness	1-7 (intervals of 1)

Isoflurane Medium Concentration	0% - 5% (intervals of .10%)
Isoflurane Medium Time	0 - 10 (intervals of 1 min.)
Isoflurane High Concentration	0% - 5% (intervals of .10%)
Isoflurane High Time	0 - 10 min. (intervals of 1 min.)
Sevoflurane Medium Concentration	0% - 8% (intervals of .10%)
Sevoflurane Medium Time	0 - 10 min. (intervals of 1 min.)
Sevoflurane High Concentration	0% - 8% (intervals of .10%)
Sevoflurane High Time	0 - 10 min. (intervals of 1 min.)

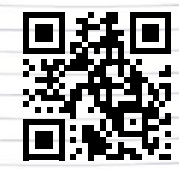
# EX3000

## Electronic Small Animal Anesthesia System

ANESTHESIA SYSTEMS

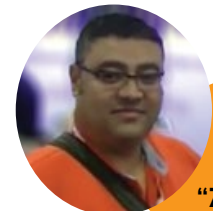


Scan to Watch the Video



Made in U.S.A.

WWW.VETLANDMEDICAL.COM



**Dr. Ehab Ibrahim**  
Dallas, TX - Owns Two EX3000s:  
"Very accurate."  
"Zero Maintenance. I've had it for 7 years."  
"Highly recommend it."

ANESTHESIA SYSTEMS

### EX3000 Technical Specs:

<b>Electrical</b>	UL approved, external supply 115 VAC/ 60Hz (220V/50Hz optional international models)
<b>Battery</b>	Backup supply 30 minutes min./ 4 hours max., sealed lead acid, maintenance-free charging time: 16 hours
<b>Main Body</b>	Ultra High Molecular Weight Polyethylene (UHMW)
<b>Frame</b>	Aluminum chassis; powder-coated finish
<b>Base</b>	Polished aluminum 5-star base with 2.5-inch hooded casters
<b>Pole</b>	Chrome steel
<b>Pressure Gauge</b>	Virtual display -10 to +80cm H <sub>2</sub> O
<b>Flush Valve</b>	FDA approved range: 15-18LPM oxygen flow
<b>Oxygen Flowmeter</b>	Electronic touchscreen controlled (.25 increments 0-1 LPM and .5 increments 1-4 LPM)
<b>Delux Safe™ APL Pop-Off Valve</b>	Hospital-grade, adjustable, pressure-limiting, upright, chrome-plated brass body, internal valve disc maintains 2cm H <sub>2</sub> O, 19mm taper exhaust connection
<b>Inspiratory/ Expiratory Valves</b>	Nickel-plated brass, neoprene directional valves, 22mm tapered valve port
<b>CO<sub>2</sub> Absorber</b>	Quick attachment 1030cc acrylic canister, single gasket seal with coaxial flow path; utilizing loose fill absorbent. (Vetland Medical recommends the use of EcoSorb or Lime-Sorb CO <sub>2</sub> absorbent)
<b>Electronic Vaporizer</b>	Precision vaporizer, temperature and pressure compensated; flow range 25cc to 4LPM 1013mbar at 72°F Isoflurane. +/- 5%, Sevoflurane +/-5% of dial setting. Funnel fill (key fill optional) Isoflurane .25 to 5%; Sevoflurane .25 to 8% (.5% increments)
<b>Gas Supply</b>	Pressure regulated 50 PSI supply +/-5 PSI
<b>Oxygen Inlet</b>	D.I.S.S. oxygen male thread
<b>Operating Temperature</b>	59° to 95° F
<b>Pre-Use Checkout</b>	Recommended Daily
<b>Machine PM</b>	Recommend preventive maintenance performed annually by a qualified technician
<b>Vaporizer Calibration</b>	The EX3000 from Vetland Medical is calibrated for life and has no scheduled rebuild or calibration required. Vetland Medical recommends, as part of the machine preventive maintenance contract, the vaporizer outputs be verified for accuracy

WWW.VETLANDMEDICAL.COM

# INTRODUCING

## HARMONY 5

Electronic Small Animal Anesthesia System with Built-In Patient Monitoring



### THE VERY BEST

The Harmony 5 is the newest member of Vetland Medical's anesthesia family. The Harmony 5 has all the **same great features of the EX3000**, with the added convenience of having pulse oximetry and CO<sub>2</sub> monitoring built right in!

The cutting edge technology within the Harmony 5 makes it the **safest**, most accurate and most reliable system in the world!

### Harmony 5 Standard Features

- Color touch-screen display
- Key or funnel fill vaporizer ports
- Heat and moisture conserving coaxial absorber
- **Delux Safe™** APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Quick disconnect fresh gas outlet for non-rebreathing applications
- Mayo tray
- 5-leg base with lifetime caster replacement
- Alarm silence
- Accessory kit\* (see page 8)

### Top 5 Things that Lead to Accidents & Injury:

1. Excessive Pressure to the Lungs
2. Excessive Anesthetic Agent
3. Lack of Oxygen to the Brain
4. Lack of CO<sub>2</sub> Removal
5. Foreign Matter Entering the Airway

**The Harmony 5 monitors clinical scenarios and alerts users BEFORE they become emergencies**

### What Makes the Harmony 5 Great?

- **Optional Built-in Pulse Oximetry**
- **Optional Built-in CO<sub>2</sub> monitoring**
- Neat, balanced, compact design
- High accuracy dual-drug delivery (Iso/Sevo)
- Continuous self-testing verifies proper function
- Back cover to protect all tubing connections
- Low-flow kit available
- Corrosion proof construction
- Time/date & case clock
- User-adjustable parameters
- 1030 cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- Alarms/configuration communications window
- **24 x 7 x 365 technical support**
- **1 Year Warranty**

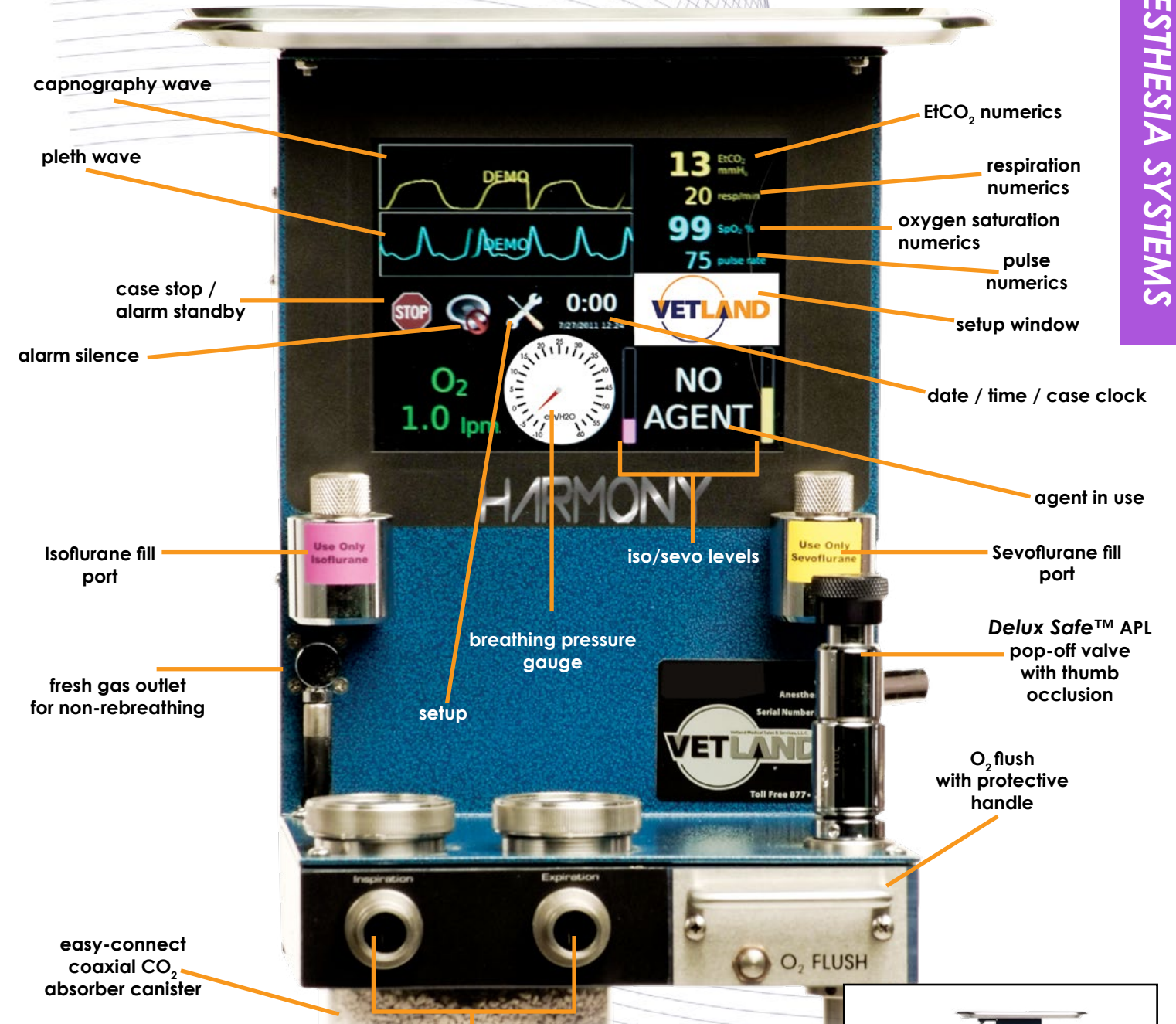
See pages 12-13 for wall & ceiling mount options



## HARMONY 5

Electronic Small Animal Anesthesia System with Built-In Patient Monitoring

mayo tray - 13.75" x 9.75"



Made in U.S.A.



# HARMONY 5

Electronic Small Animal Anesthesia System with Built-In Patient Monitoring

ANESTHESIA SYSTEMS

## All Harmony 5 Alarms

<b>Audible Breath</b>	On/Off
<b>Apnea Breath Volume</b>	10-100 (intervals of 10)
<b>Apnea Alarm</b>	On/Off
<b>Apnea Alarm Elapsed Time</b>	5 to 30 sec. (intervals of 5 sec.)
<b>High Pressure Alarm</b>	10-60 (intervals of 1)
<b>Continuing Pressure</b>	10-60 (intervals of 1)
<b>Screen Brightness</b>	1-7 (intervals of 1)

<b>Isoflurane Medium Concentration</b>	0% - 5% (intervals of .10%)
<b>Isoflurane Medium Time</b>	0 - 10 (intervals of 1 min.)
<b>Isoflurane High Concentration</b>	0% - 5% (intervals of .10%)
<b>Isoflurane High Time</b>	0 - 10 min. (intervals of 1 min.)
<b>Sevoflurane Medium Concentration</b>	0% - 8% (intervals of .10%)
<b>Sevoflurane Medium Time</b>	0 - 10 min. (intervals of 1 min.)
<b>Sevoflurane High Concentration</b>	0% - 8% (intervals of .10%)
<b>Sevoflurane High Time</b>	0 - 10 min. (intervals of 1 min.)

<b>With SpO<sub>2</sub></b>	Pulse (high / low)
	Saturation (high/ low)
<b>With CO<sub>2</sub></b>	EtCO <sub>2</sub> (high/low)
	Respiration (high/low)

**\*Included Accessory Kit:** • Adult F Breathing Circuit  
 • Modified Jackson Rees Non-Rebreathing Circuit  
 • 1 Bag EcoSorb • 2-Liter Breathing Bag • 3-Liter Breathing Bag • Operator's Manual

<b>HAR-USA</b>	Dual Electronic Vaporizer System with Ventilation Monitors, funnel fill
<b>HAR-SP-USA</b>	Harmony 5 Electronic Vaporizer System with SpO <sub>2</sub>
<b>HAR-CO2-USA</b>	Harmony 5 Electronic Vaporizer System with CO <sub>2</sub>
<b>HAR-SPCO2-USA</b>	Harmony 5 Electronic Vaporizer System with SpO <sub>2</sub> + CO <sub>2</sub>

<b>HAR-INTL</b>	Dual Electronic Vaporizer System with Ventilation Monitors, key fill
<b>HAR-SP-INTL</b>	Harmony 5 Electronic Vaporizer System with SpO <sub>2</sub>
<b>HAR-CO2-INTL</b>	Harmony 5 Electronic Vaporizer System with CO <sub>2</sub>
<b>HAR-SPCO2-INTL</b>	Harmony 5 Electronic Vaporizer System with SpO <sub>2</sub> + CO <sub>2</sub>



# LANDMARK SERIES

## Small Animal Anesthesia Systems

# INNOVATION DONE RIGHT!

Vetland Medical Sales & Services, LLC manufactures the Landmark brand of veterinary anesthesia equipment, which is known worldwide for its innovative design, durability, and affordability.

Landmark anesthesia systems are engineered to be the finest, safest, and most reliable machines available. They are manufactured by the most capable anesthesia systems support company in the world.

Together, we provide safe, secure, positive patient outcomes.



ANESTHESIA SYSTEMS

# LANDMARK VSA-2100

## Rolling Stand Small Animal Anesthesia System

### INNOVATION DONE RIGHT!

The Landmark VSA-2100 rolling pole mounted anesthesia system has proven to be the #1 choice among veterinary professionals.



protective back cover

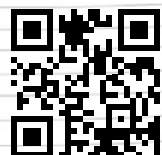
Accepts any vaporizer

Shown with (optional) calibrated for life Vetland D20 vaporizer (with 5 year warranty)

(optional) side tray

easy-connect coaxial CO<sub>2</sub> absorber canister

Scan to Watch the Video



-10 to +80cm H<sub>2</sub>O gauge

high quality 0-4L O<sub>2</sub> flowmeter with protective torque guard

Delux Safe™ APL pop-off valve with thumb occlusion

O<sub>2</sub> flush with protective handle

high quality visible insp. / exp. valves

Made in U.S.A.

# LANDMARK VSA-2100

## Rolling Stand Small Animal Anesthesia System

### VSA-2100 Standard Features

- Delux Safe™ APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Heat & moisture conserving coaxial absorber
- Quick disconnect fresh gas outlet for non-rebreathing applications
- Mayo tray
- -10 to +80cm H<sub>2</sub>O pressure gauge
- Accessory Kit\*

### What Makes the VSA-2100 Great?

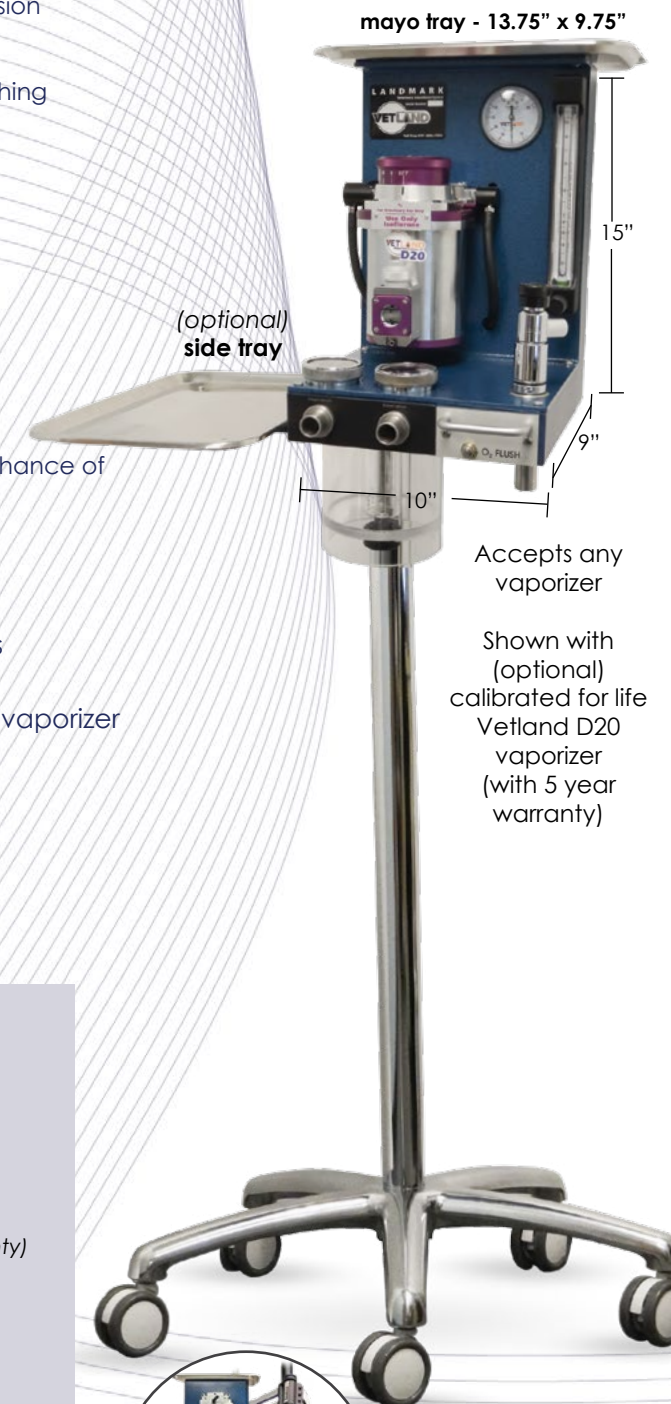
- Neat, balanced, compact design
- Back cover to protect all tubing connections
- Corrosion-proof construction
- Low-flow kit available
- 1030 cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- 5-leg base with lifetime caster replacement
- 24 x 7 x 365 technical support
- 5 Year Warranty

See pages 12-13 for wall & ceiling mount options

The Landmark Series also offers a tabletop, dual vaporizer machine, or MRI compatible system.

VSA-2100	Landmark Standard Roll Stand without vaporizer
VSA-2100 Combo A	Landmark Standard Roll Stand with D20 Isoflurane funnel fill vaporizer, with 5 year warranty
VSA-2100 Combo B	Landmark Standard Roll Stand (1-4 LPM tube w Tek 3 Isoflurane funnel fill vaporizer with 5/3 year warranty) 5 = Machine / 3 = Vaporizer
VSA-2100 Combo C	Landmark Standard Roll Stand (1-4 LPM tube w D19 Isoflurane funnel fill vaporizer with 5/10 year warranty) 5 = Machine / 10 = Vaporizer

\*Included Accessory Kit: • Adult F Breathing Circuit • Modified Jackson Rees Non-Rebreathing Circuit • 1 Bag EcoSorb • 2-Liter Breathing Bag • 3-Liter Breathing Bag • Operator's Manual



mayo tray - 13.75" x 9.75"

(optional) side tray

Accepts any vaporizer

Shown with (optional) calibrated for life Vetland D20 vaporizer (with 5 year warranty)



**Cari Phillips - Anesthesia Supervisor**  
**Animal Eye Clinic**  
 Oklahoma City, OK  
 VSA-2100- Ceiling Mounted:  
 "This machine has changed our lives!"

ANESTHESIA SYSTEMS

LANDMARK SERIES

ANESTHESIA SYSTEMS

LANDMARK SERIES

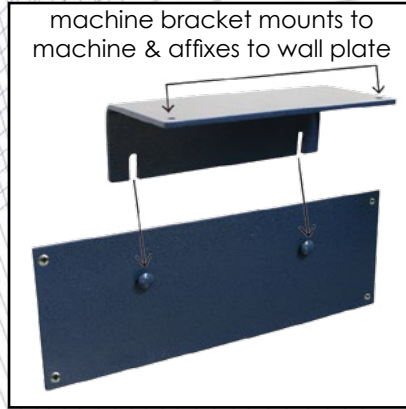
# VETLAND ANESTHESIA MOUNTING OPTIONS

For VSA-2100, EX3000, Harmony 5 & RTA-0011 Models

## INTERLOCKING FLUSH SURFACE MOUNT

Kit includes fixed wall plate, machine bracket and hardware

- Machine bracket connects to machine and locks into wall plate



**510-WMK** Wall Mount Only

**510-WMK-SUB** Wall Mount  
(when ordering a New Machine,  
Wall Mount in place of Roll Stand)

## EXTENDABLE/RETRACTABLE WALL MOUNT ARM

Kit includes wall plate, GCX receiver, extendable arm and hardware

- 180° Movement on Horizontal Plane
- Extends 18"-36" from Wall

**510-EXT** Extendable/Retractable Wall Mount Arm

**510-EXT-SUB** Extendable/Retractable Wall Mount Arm  
(when ordering a New Machine,  
Wall Mount Arm in place of Roll Stand)



# VETLAND ANESTHESIA MOUNTING OPTIONS

For VSA-2100, EX3000, Harmony 5 & RTA-0011 Models

## HORIZONTAL & VERTICAL ARTICULATING ARM

Kit includes wall plate, GCX receiver, articulating arm and hardware

- 180° Horizontal Movement
- 120° Vertical Movement
- 17" of reach and height adjustment

**510-ART** Horizontal Articulating Arm Mount Only

**510-ART-SUB** Horizontal Articulating Arm  
(when ordering a New Machine,  
Wall Mount in place of Roll Stand)

**510-EXT6** 6" Extension

**510-EXT9** 9" Extension

**510-EXT12** 12" Extension

**510-EXT16** 16" Extension



## CEILING PENDANT WITH HORIZONTAL & VERTICAL ARTICULATING ARM

Kit includes ceiling support plate, pipe extension and GCX receiver

- Support Ceiling Mount
- Vertical track for height adjustments
- Variety of locking positions
- The extendable arm extends 18"-24" from the central post

**CPMS-1500** Ceiling Pendant with Horizontal &  
Vertical Articulating Arm

**510-ART** Articulating Arm (sold separately)



# Common Options & Add-Ons

	VSA-2100	EX3000	Harmony 5	VSA-2100-Econ	VTA-1100	VDA-4100	Varsity
<ul style="list-style-type: none"> <li>• standard</li> <li>◻ optional</li> <li>- not compatible</li> </ul>							
	◻	◻	◻	◻	◻	◻	◻
	◻	◻	◻	◻	-	-	-
	•	•	•	◻	-	-	-
	◻	◻	◻	◻	-	-	-
	◻	◻	◻	◻	-	-	-
	◻	integrated	integrated	◻	◻	◻◻	◻



Robin with Fancy and Winnie

# LANDMARK VSA-ECON

## Rolling Stand Small Animal Economy Anesthesia System

### THE NO-FRILLS ECONOMY MODEL

The Landmark VSA-ECON Economy Model rolling pole-mounted anesthesia system is a reliable option for veterinary professionals on a budget. Vetland designed the Landmark VSA-ECON to be powerful, well-balanced and affordable. Vaporizer sold separately.

The Landmark VSA-ECON is equipped for circle and non-rebreathing applications. This system can also be fitted for wall & ceiling mounting.

See pages 12-13 for wall & ceiling mount options

### VSA-ECON Standard Features

- Pop-off valve with thumb occlusion
- Delran valves
- Heat & moisture conserving coaxial absorber
- Quick disconnect fresh gas outlet for non-rebreathing applications
- 0-4 LPM oxygen flow control with protective stop
- Accessory Kit\*

### What Makes the VSA-ECON Great?

- Neat, balanced, compact design
- Corrosion proof construction
- Low-flow kit available
- 1030cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- 5-leg base with lifetime caster replacement
- **24 x 7 x 365 technical support**
- **1 Year Warranty**



Accepts any vaporizer

Shown with (optional) calibrated for life Vetland D20 vaporizer (with 5 year warranty)

Delran valves & standard pop-off valve



**VSA-ECON** Landmark Economy (1-4LPM tube without back cover, without mayo tray, Delran valves, 1 yr. warranty)

**VSA-ECON Combo D** Landmark Economy with Ohio Isoflurane, funnel fill vaporizer (1-4LPM tube without back cover, without mayo tray, Delran valves, 1 year warranty)

\*Included Accessory Kit: • Adult F Breathing Circuit • Modified Jackson Rees Non-Rebreathing Circuit • 1 Bag EcoSorb • 2-Liter Breathing Bag • 3-Liter Breathing Bag • Operator's Manual

Made in U.S.A.

ANESTHESIA SYSTEMS

LANDMARK SERIES

# LANDMARK VTA-1100

## Tabletop Anesthesia System

### SAFE, POSITIVE PATIENT OUTCOMES

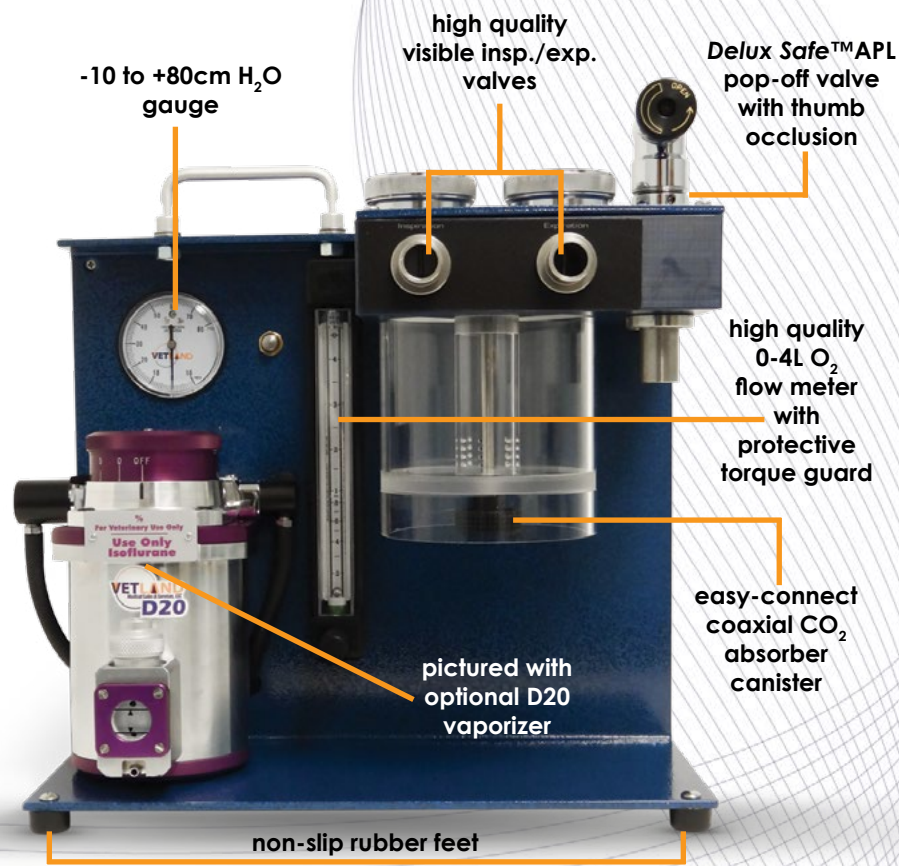
The Landmark VTA-1100 Table Top anesthesia system is a popular choice among veterinary professionals. Vetland Medical designed the machine to be compact, well-balanced, and able to withstand the rigors of everyday clinical use. The VTA-1100 provides corrosion-free performance for decades to come.

#### VTA-1100 Standard Features

- **Delux Safe™** APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Heat & moisture conserving coaxial absorber
- Quick disconnect fresh gas outlet for non-rebreathing applications
- 0-4 LPM oxygen flow control with protective stop
- Accessory kit\*

#### What Makes the VTA-1100 Great?

- Neat, balanced, compact design
- 1030cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- Low-flow kit available
- Back cover to protect all tubing connections
- Corrosion-proof construction
- Capable of accepting any type of vaporizer
- **24 x 7 x 365 technical support**
- **5 Year Warranty**



Accepts any vaporizer  
Shown below with (optional) calibrated for life Vetland **D19** vaporizer (with 10 year warranty)



**VTA-1100** Landmark Tabletop (1-4LPM tube without vaporizer)

**\*Included Accessory Kit:** • Adult F Breathing Circuit • Modified Jackson Rees Non-Rebreathing Circuit • 1 Bag EcoSorb • 2-Liter Breathing Bag • 3-Liter Breathing Bag • Operator's Manual

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# LANDMARK VDA-4100

## Dual-Drug Small Animal Anesthesia System

### TWO AGENT OPTIONS - ONE MACHINE

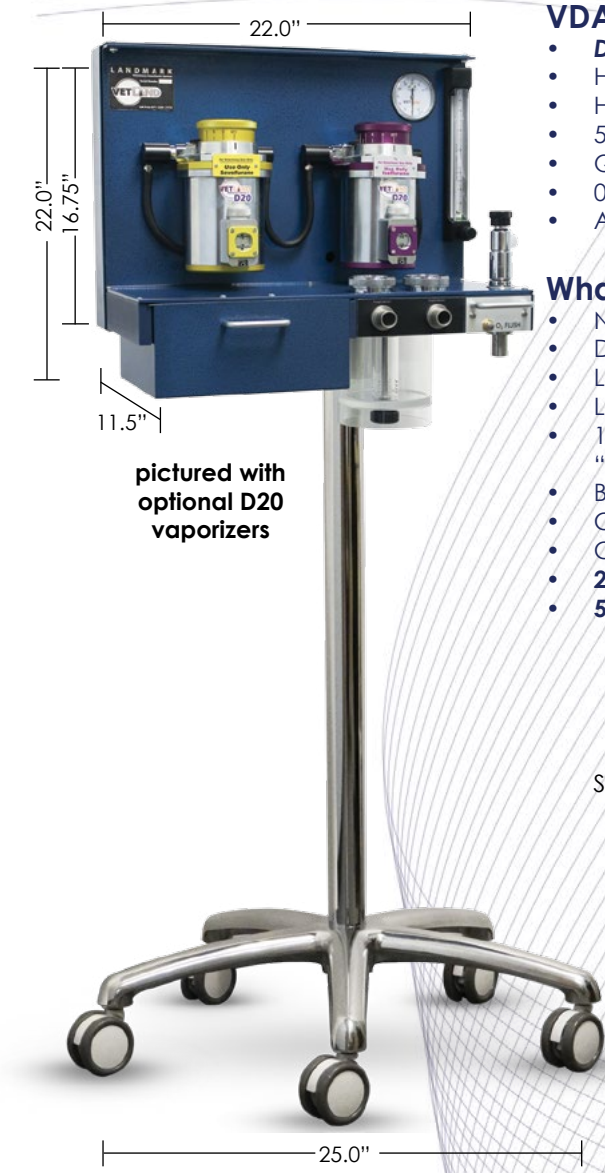
The Landmark VDA-4100 Dual Vaporizer rolling pole mounted anesthesia system has proven to be a popular choice among veterinary professionals. Vetland Medical designed the machine to meet the needs of clinicians who want or need to have two types of anesthetic agent on hand.

#### VDA-4100 Standard Features

- **Delux Safe™** APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Heat & moisture conserving coaxial absorber
- 5-leg base with lifetime caster replacement
- Quick disconnect fresh gas outlet for non-rebreathing applications
- 0-4 LPM oxygen flow control with protective stop
- Accessory kit\*

#### What Makes the VDA-4100 Great?

- Neat, balanced, compact design
- Dual vaporizer mounting capability
- Low-flow kit available
- Large working area with convenient storage drawer
- 1030 cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- Back cover to protect all tubing connections
- Corrosion-proof construction
- Capable of accepting any type of vaporizer
- **24 x 7 x 365 technical support**
- **5 Year Warranty**

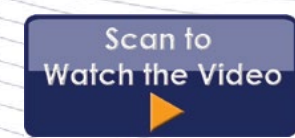


Accepts any vaporizer  
Shown below with (optional) calibrated for life Vetland **D20** vaporizer (with 5 year warranty)



**VDA-4100** Landmark Dual Vaporizer

**\*Included Accessory Kit:** • Adult F Breathing Circuit • Modified Jackson Rees Non-Rebreathing Circuit • 1 Bag EcoSorb • 2-Liter Breathing Bag • 3-Liter Breathing Bag • Operator's Manual



Made in U.S.A.

ANESTHESIA SYSTEMS

LANDMARK SERIES

ANESTHESIA SYSTEMS

LANDMARK SERIES

# LANDMARK VSA-2100-MRI

## Small Animal MRI Anesthesia System

### MRI COMPATIBILITY

The Landmark VSA-2100-MRI rolling pole mounted anesthesia system has the same features of the Landmark Series, but utilizes nonferrous materials for safe operation in an MRI environment. The Tek 3 vaporizer is included with the VSA-2100-MRI System. The Vetland Small Animal MRI System is available on a rolling stand, making it easy to maneuver for convenient positioning.

**\*Please contact Vetland Medical for Safe Usage Information**

### VSA-2100-MRI Standard Features

- Made entirely of non-ferrous materials
- Tek 3 vaporizer included
- **Delux Safe™** APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Heat & moisture conserving coaxial absorber
- Quick disconnect fresh gas outlet for non-rebreathing applications
- 0-4 LPM oxygen flow control with protective stop
- Accessory kit\*

### What Makes the VSA-2100-MRI Great?

- Neat, balanced, compact design
- Low-flow kit available
- 1030cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- Back cover to protect all tubing connections
- **24 x 7 x 365 technical support**
- **3 Year Warranty**

VSA-2100-MRI comes with the Tek 3 vaporizer



protective back cover

Made in U.S.A.

MRI compatible Tek 3 vaporizer included



VSA-2100-MRI Landmark MRI Compatible

- \*Included Accessory Kit:**
- Adult F Breathing Circuit
  - Modified Jackson Rees Non-Rebreathing Circuit
  - 1 Bag EcoSorb
  - 2-Liter Breathing Bag
  - 3-Liter Breathing Bag
  - Operator's Manual

Sam with Lizard Dog



# LANDMARK VARSITY

## Small Animal Anesthesia Cabinet System

### POWER, SAFETY & MOBILITY

The Landmark Varsity combines the best of both worlds – exceptional anesthesia delivery through our Landmark Table Top Anesthesia System-VTA-1100- and a cabinet for storage. Vetland Medical designed the Landmark Varsity Cabinet System to be a convenient, robust, easily maneuverable complete anesthesia system with easy attachment to O<sub>2</sub> E-tanks and our e2 Oxygen Concentrator.

11.25" x 20.25" workspace



built-in mount for E-Tank & Oxygen Concentrator (sold separately)



Accepts any vaporizer

Shown with (optional) calibrated for life Vetland D19 vaporizer (with 10 year warranty)

18"D x 14"W x 3.75"H drawers

18"D x 14"W x 5.75"H drawer

### VAR-5500 Standard Features

- VTA-1100 anesthesia system with storage shelf & 3 large Secure-Lock drawers
- E-Tank mount with regulator
- Oxygen concentrator mount
- **Delux Safe™** APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Heat & moisture conserving coaxial absorber
- Quick disconnect fresh gas outlet for non-rebreathing applications
- 0-4 LPM oxygen flow control with protective stop
- Accessory kit\*

### What Makes the VAR-5500 Great?

- Neat, balanced, compact design
- Large stainless steel workspace
- 6" casters; front 2 are locking
- 1030cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- Low-flow kit available
- Pull-out tray (optional)
- Back cover to protect all tubing connections
- Corrosion-proof construction
- Capable of accepting any type of vaporizer
- **24 x 7 x 365 technical support**
- **5 Year Warranty**

VAR-5500 Landmark VTA-1100 & VAR-CART

VAR-CART Rolling Cabinet Only

- \*Included Accessory Kit:**
- Adult F Breathing Circuit
  - Modified Jackson Rees Non-Rebreathing Circuit
  - 1 Bag EcoSorb
  - 2-Liter Breathing Bag
  - 3-Liter Breathing Bag
  - Operator's Manual

Made in U.S.A.

# LANDMARK CAGS-1000

## Gurney & Anesthesia System

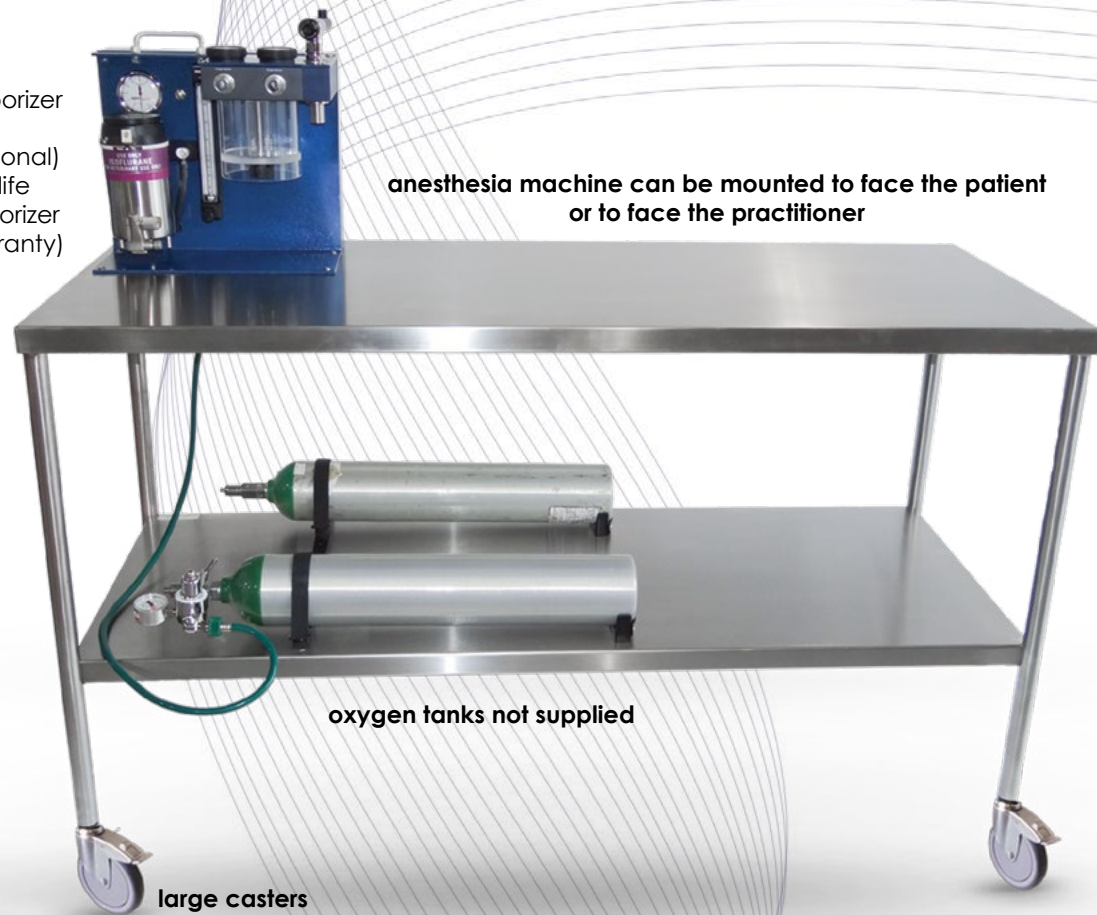
### QUALITY & CONVENIENCE IN ONE

The Landmark Gurney System combines the proven power and accuracy of the Landmark Series VTA-1100 Tabletop System with the convenience of having your anesthesia system mounted right to your operating table. The Gurney System is a favored choice among Universities and pre-op arenas.

Accepts any vaporizer

Shown with (optional) calibrated for life Vetland **D19** vaporizer (with 10 year warranty)

anesthesia machine can be mounted to face the patient or to face the practitioner



oxygen tanks not supplied

large casters

#### CAGS-1000 Standard Features


- VTA-1100 anesthesia system with stainless steel table
- E-Tank mounts with regulator
- **Delux Safe™** APL pop-off valve with thumb occlusion
- Hospital-grade valves
- Heat & moisture conserving coaxial absorber
- Quick disconnect fresh gas outlet for non-rebreathing applications
- 0-4 LPM oxygen flowmeter with protective stop

#### What Makes the CAGS-1000 Great?

- Neat, balanced design
- Stainless steel workspace
- Large casters
- 1030cc absorber with less trapped volume, less chance of "channeling" & quicker anesthetic adjustments
- Low flow kit available
- Back cover to protect all tubing connections
- Corrosion proof construction
- **24 x 7 x 365 technical support**
- **5 Year Warranty**

CAGS-1100 Landmark VTA-1100 & stainless table

**\*Included Accessory Kit:** • Adult F Breathing Circuit • Modified Jackson Rees Non-Rebreathing Circuit • 1 Bag EcoSorb • 2-Liter Breathing Bag • 3-Liter Breathing Bag • Operator's Manual

Made in U.S.A. 

# EXOTIC & VERY SMALL ANIMAL ANESTHESIA SYSTEMS



**VETLAND**  
Medical Sales & Services, LLC

# NON-REBREATHING ANESTHESIA SYSTEM

Available as Roll Stand or Tabletop System

## A NON-REBREATHING SOLUTION

These non-rebreathing systems are perfect for use with very small & exotic animals. The RSA-0021 rolling stand anesthesia system has proven to be a popular choice among veterinary professionals.

Vetland designed these machines to be compact, lightweight, easily repositioned and able to withstand the rigors of everyday clinical use providing corrosion-free performance for decades to come. The Non-Rebreathing system is also available as a table top system or can be fitted for wall-mount.

See pages 12-13 for wall & ceiling mount options

Machine below shown with D19 Vaporizer



Optional Interlocking Wall Mount shown with D20 vaporizer



RTA-0011 Table Top Non-Rebreathing System

### RSA-0021 Standard Features

- Quick disconnect fresh gas outlet for non-rebreathing applications
- 0-4 LPM oxygen flowmeter with protective stop
- 5-leg base with lifetime caster replacement (RSA-0021 model)
- No-slip rubber feet (RTA-0011 model)
- Accessory Kit\*

### What Makes the RTA/RSA Great?

- Neat, balanced, compact design
- RTA-0011 is light-weight and takes up less than 1 sq. ft. of workspace
- Corrosion-proof construction
- **24 x 7 x 365 technical support**
- **5 Year Warranty**



RTA-HAND



RTA-FAIR

**RSA-0021** Landmark Non-Rebreathing Rolling Stand (1-4LPM tube without vaporizer)

**RTA-0011** Landmark Non-Rebreathing Table Top (1-4LPM tube without vaporizer)

**RTA-HAND** Non-Rebreathing Handle

**RTA-FAIR** Non-Rebreathing F/Air Holder

\*Included Accessory Kit: • Modified Jackson Rees • 2-Liter Breathing Bag • Operator's Manual

Made in U.S.A.



Scan to Watch the Video



Accepts any vaporizer

Shown with (optional) calibrated for life Vetland **D20** vaporizer (with 5 year warranty)

# LARGE ANIMAL ANESTHESIA SYSTEMS



WWW.VETLANDMEDICAL.COM

# LAS-4000

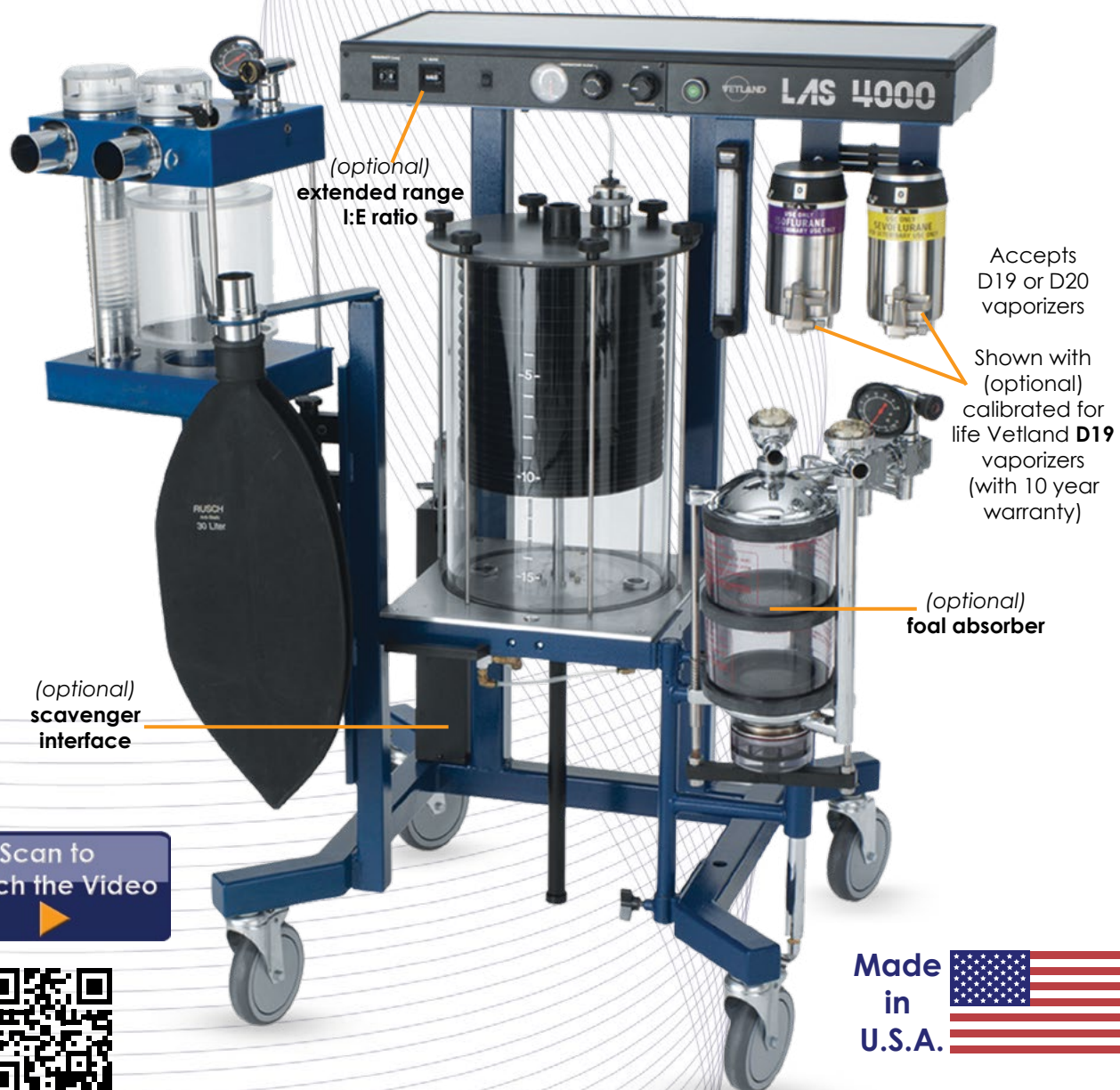
## Large Animal Anesthesia System

### A HIGH PERFORMANCE POWERHOUSE

The LAS-4000 by Vetland Medical is a total anesthesia support system for large animals equipped with the reconfigured Dräger AVE ventilator for maximum performance. The unit can operate as a simple anesthesia machine for spontaneous breathing or as a controller of the animal's ventilation.

The LAS-4000 provides the superior engineering, versatility and unmatched accuracy required in the sophisticated science of large animal anesthesia.

- The "Tandem" directional valves were designed to assure the unidirectional flow with minimal resistance
- The LAS-4000 utilizes either D19 or D20 vaporizers, which are pressure protected and therefore use a single port to eliminate unnecessary gas connections
- The frame of the LAS-4000 is balanced and topple-proof
- Features a two-vaporizer mounting system with Exclusion Safety
- Foal absorber option can be utilized for patients down to 25 pounds
- Universal AC power supply 100/240 VAC 50/60 Hz can be powered by electrical systems worldwide



Scan to Watch the Video



Made in U.S.A. 

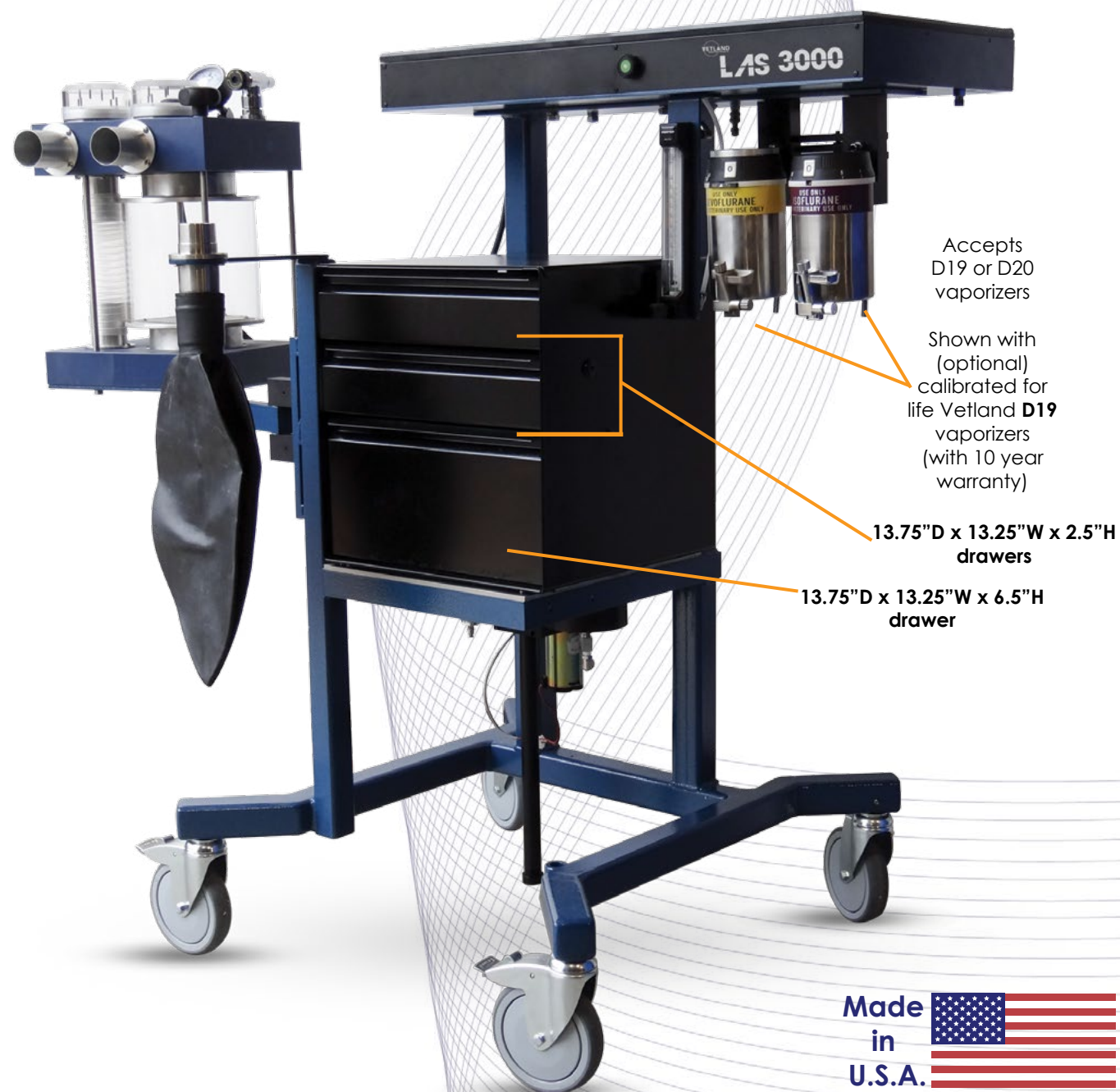
# LAS-3000

## Large Animal Anesthesia System

### HIGH PERFORMANCE, STABLE FOOTPRINT

The LAS-3000 by Vetland Medical is modeled after the LAS-4000 but is customized for manual ventilation. A spacious drawer pack allows for convenient storage.

- The "Tandem" directional valves were designed to assure the uni-directional flow with minimal resistance
- The LAS-3000 utilizes either D19 or D20 vaporizers, which are pressure protected and therefore use a single port to eliminate unnecessary gas connections
- The frame of the LAS-3000 is balanced and topple-proof
- Features a two-vaporizer mounting system with Exclusion Safety
- Foal absorber option can be utilized for patients down to 25 pounds
- Universal AC power supply 100/240 VAC 50/60 Hz can be powered by electrical systems worldwide



Made in U.S.A. 

# LAS-4000 & LAS-3000

## Large Animal Anesthesia Systems

**Jamie Huber**  
 The Louisville Zoo - LAS-4000:  
 "The Vetland anesthesia machine helps us provide state-of-the-art care for our animals at the Louisville Zoo."



### Technical Specs:

<b>ELECTRICAL</b>	120 VAC 50/60 HZ
<b>DIMENSIONS</b>	Height: 53"
	Base Width: 31"
	Base Depth: 31"
<b>VENTILATOR</b>	ON/OFF switch: Provides AC power to AVE vent
<b>LAS-4000 ONLY</b>	TIDAL VOLUME: Motor driven adjustable tidal volume through use of a momentary rocker switch (5-15 liters of tidal volume available)
	VENTILATOR: Time-cycled, electrically controlled, pneumatic powered
	FREQUENCY CONTROL: Variable from zero to ninety-nine breaths per minute in one BPM increments
	INSPIRATORY/EXPIRATORY: I:E ratio available 1:1, 1:1.5, 1:2, 1:2.5, 1:3, 1:3.5, 1:4, 1:4.5
	INSPIRATORY FLOW: Controlled through operator adjustable regulator
<b>ABSORBER</b>	CIRCUIT PRESSURE GAUGE: -20cm/H <sub>2</sub> O to 80cm/H <sub>2</sub> O range
	APL VALVE: Adjustable pressure limit valve allows control from completely closed to fully open
	INSP./EXP. PORTS: Inspiratory and expiratory flow controlled through visible check valves
<b>REMARKETED OPTIONS:</b>	I:E RATIO UPGRADE: (LAS-4000 ONLY) Allows for delivery of 1:2, 1:2.5, 1:3, 1:3.5, 1:4, 1:4.5, 1:6, 1:8 ratios
	810-096 FOAL ABSORBER: Separate absorber reduces down-time while switching to a separate machine for foal or small animal anesthesia
	910-230A OPEN AIR SCAVENGING SYSTEM: For use with suction (vacuum) waste gas disposal systems
	580-4735A E-CYLINDER MOUNTING: Provides a safe back-up supply of oxygen in the event of a main O <sub>2</sub> supply failure
	521-11-22 ISOFLURANE VAPORIZER: Temperature compensated wick-style vaporizer with range of 0% - 5%
	521-31-22 SEVOFLURANE VAPORIZER: Temperature compensated wick-style vaporizer with range of 0% - 7%

**LAS-3000** Large Animal Anesthesia System with only manual ventilation

**810-096** Foal Absorber

**Included Accessory Kit:** • Set of 2" Breathing Hoses • 2" Patient Wye • 15-Liter Breathing Bag • Operator's Manual

**LAS-4000** Large Animal Anesthesia System with mechanical ventilation

**Included Accessory Kit:** • Set of 2" Breathing Hoses • 2" Patient Wye • 15-Liter Breathing Bag • Operator's Manual

# VAPORIZERS



# Let's Be Honest...

All the below Precision Vaporizers offer accurate output concentrations - regardless of flow, temperature, duration of use, drug liquid levels, & back pressures - when used within their specified clinical ranges.

**The differences that require comparison are the warranty, price, recommended recalibration schedules, & serviceability. Learn more in the below matrix.**



**Tek 4** (remarketed)    **D19** (remarketed)    **D20** (new)    **Tek 3** (remarketed)    **Ohio** (remarketed)    **Drager 2000** (remarketed)

<b>Calibration*</b>	3 year recommended recalibration schedule for continued accuracy	Calibrated for Life	Calibrated for Life	3 year recommended recalibration schedule for continued accuracy	3 year recommended recalibration schedule for continued accuracy	3 year recommended recalibration schedule for continued accuracy
<b>Warranty</b>	3 Year Warranty	10 Year Warranty	5 Year Warranty	3 Year Warranty	1 Year Warranty	3 Year Warranty
<b>Thermostat</b>	Bimetallic Strip	Large metal masses of different material	Bimetallic Strip	Bimetallic Strip	Liquid filled bellows	Large metal masses of different material
<b>ISO Accuracy</b>	±15% Accuracy	±15% Accuracy	±15% Accuracy	±15% Accuracy	±15% Accuracy	±15% Accuracy
<b>SEVO Accuracy</b>	±20% Accuracy	±20% Accuracy	±20% Accuracy	±20% Accuracy	±20% Accuracy	±20% Accuracy
<b>Available as Funnel Fill</b>	Yes	Yes	Yes	Yes	Yes	No
<b>Available as Key Fill</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Mounting Options</b>	23mm Manifold (see pg. 30)	Variety of mounting manifolds available (see pg. 30)	Variety of mounting manifolds available (see pg. 30)	23mm Manifold (see pg. 30)	23mm Manifold tapered inlet & outlet parts (see pg. 30)	Variety of mounting manifolds available (see pg. 30)
<b>Service</b>	Planned Service Support through 2025	Planned Service Support through 2035	Planned Service Support through 2035	Planned Service Support through 2030	Planned Service Support through 2020	Planned Service Support through 2035

\* Vetland Recommendation

# VAPORIZERS

## The Heart of Every Anesthesia System

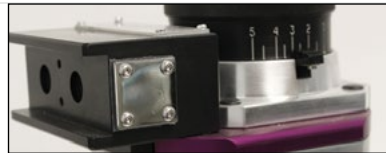
Vetland Medical offers several different vaporizer options to fit your every need. We also have a Vaporizer Exchange Program (see page 32), which makes the process of having your vaporizer cleaned and calibrated quick and convenient.

<b>Vetland D20 - NEW</b>			
	<i>The Vetland D20 Vaporizer is the newest vaporizer on the market. The D20 can be universally mounted to a variety of anesthesia systems and is calibrated for life. The high accuracy and 5 year warranty make the D20 a great choice for any practitioner.</i>		
	520-11-22	Isoflurane - Funnel Fill	5 Year Warranty
	520-11-32	Isoflurane - Key Fill	5 Year Warranty
	520-31-22	Sevoflurane - Funnel Fill	5 Year Warranty
520+31-32	Sevoflurane - Key Fill	5 Year Warranty	Comes standard with 23mm cage mount manifold. Other manifold options are available. See pg 30
<b>Vetland D19 - REMARKETED</b>			
	<i>The Vetland D19 Vaporizer has set a precedent by which all other vaporizers are measured. Many technological innovations have been incorporated into the D19 to ensure it is the most precise anesthesia metering device available. The D19 comes with a 10 year warranty.</i>		
	521-11-22	Isoflurane - Funnel Fill	10 Year Warranty
	521-11-32	Isoflurane - Key Fill	10 Year Warranty
	521-31-22	Sevoflurane - Funnel Fill	10 Year Warranty
521-31-32	Sevoflurane - Key Fill	10 Year Warranty	Manifold Page 30
<b>Ohio - REMARKETED</b>			
	<i>The Ohio Vaporizer was the most popular vaporizer during the 1970's &amp; 1980's. As a result, there are thousands of Ohio Vaporizers in use today. The unit is built with precision components, creating a quality, reliable vaporizer.</i>		
	522-11-22	Isoflurane - Funnel Fill	1 Year Warranty
	522-11-32	Isoflurane - Key Fill	1 Year Warranty
	522-31-22	Sevoflurane - Funnel Fill	1 Year Warranty
522-31-32	Sevoflurane - Key Fill	1 Year Warranty	Manifold Page 30
<b>Tek 3 - REMARKETED</b>			
	<i>The Tek 3 Vaporizer was the most popular vaporizer through the 1990's. It is the most recognizable vaporizer used in thousands of clinics today. The vaporizer has a proven record of accuracy and reliable performance.</i>		
	523-11-22	Isoflurane - Funnel Fill	3 Year Warranty
	523-11-32	Isoflurane - Key Fill	3 Year Warranty
	523-31-22	Sevoflurane - Funnel Fill	3 Year Warranty
523-31-32	Sevoflurane - Key Fill	3 Year Warranty	Manifold Page 30
<b>Tek 4 - REMARKETED</b>			
	<i>The Tek 4 Vaporizer was the most popular vaporizer in the early 2000's. The Tek 4 is still widely used today and has a reputation for being dependable and precise.</i>		
	524-11-22	Isoflurane - Funnel Fill	3 Year Warranty
	524-11-32	Isoflurane - Key Fill	3 Year Warranty
	524-31-22	Sevoflurane - Funnel Fill	3 Year Warranty
524-31-32	Sevoflurane - Key Fill	3 Year Warranty	Manifold Page 30
<b>Drager 2000 - REMARKETED</b>			
	<i>The Drager 2000 Vaporizer is a high-quality precision vaporizer with a reputation of longevity and accuracy. This vaporizer was first introduced in the late 1990's and is a popular choice.</i>		
	525-11-32	Isoflurane - Key Fill	3 Year Warranty
525-31-32	Sevoflurane - Key Fill	3 Year Warranty	Manifold Page 30

# VAPORIZER MOUNTS / MANIFOLDS

## Vetland D20 Vaporizer Mounts

Drager Style Mount  
Part # 520-1009



Selectatec Mount  
-Mounts to Vaporizer  
Part # 520-1010



Selectatec Mount  
-Mounts to Machine  
Part # 520-1011



## Vetland D19 Vaporizer Mounts

23mm Slip Fit  
Part # 527-1004



Barbed Outlet  
Part # 527-1003



15mm Slip Fit  
Part # 527-1006A



## Ohio Vaporizer Mount

23mm Slip Fit  
Part # 527-1005



## Tek 4 Vaporizer Mount - Landmark Series

Bolt-On Style with Barbs  
Part # 527-1007



## Vaporizer Filler Options

Key Filler  
Isoflurane Part # 527-3211  
Sevoflurane Part # 527-3231



Anti-Spill Funnel Filler  
Isoflurane Part # 527-2211  
Sevoflurane Part # 527-2231

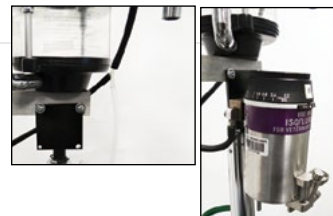


## Vaporizer Mounting Options

Vaporizer Pole Mount  
Part # 910-604A



Midmark VMS to D19 Plate Adapter  
Part # 910-007A



# VAPORIZER SERVICE CENTER

In order to assure vaporizer accuracy, most manufacturers recommend each vaporizer be serviced and calibrated annually - with the exceptions of the D19 & D20, which are calibrated for life.

Internal components involved with vaporization, bypass, pressure compensation, temperature compensation, and wicking are all potential problems if not serviced on a regular schedule.

**The expense to maintain an accurate vaporizer is easily justified:**

- Economic savings through reduced anesthetic waste
- Health concerns are addressed by eliminating waste anesthetic gas leaks
- Anesthetic accuracy is improved and confidence in the equipment leads to patient safety

## Our Vaporizer Services Include:

- Entire vaporizer disassembly & cleaning
- Internal parts cleaning & inspection
- Replacement of wicking materials (as needed)
- Replacement of worn components
- Calibration of thermal controls
- Reassembly with new seals & lubricant
- Perform Pressure Test
- External cleaning & polishing
- Calibration testing with anesthetic agent as labeled
- Calibration test certification (with certificate)
- 12 month unconditional warranty
- Vetland Medical technical expertise & product support

*\*Vaporizers are sophisticated medical devices & should ONLY be serviced by qualified service organizations.*



## VAPORIZER EXCHANGE PROGRAM

### WHAT IS IT?

Many vaporizers have manufacturer recommendations that they are cleaned and calibrated annually to ensure accuracy. Previous options for this function were down time with your equipment while you sent your vaporizer in for service, or an incomplete overhaul if you had a technician perform the service on-site. The Vaporizer Exchange Program eliminates those problems by making the process simple and fast.

### HOW DOES IT WORK?

1. Place an order for a vaporizer exchange by specifying vaporizer model, agent, and funnel or key fill. For Tek 4 vaporizers, we also must know if it is *Latch* or *Bolt* style.
2. When replacement vaporizer arrives, empty the agent and detach your existing vaporizer from your anesthesia machine.
3. Attach the refurbished, calibrated & certified vaporizer to your anesthesia machine.
4. Place your old unit in the shipping box, apply the pre-paid return-shipping label and return it to Vetland Medical.

**\*Return core vaporizers must be of same make, model and attachments as replacement unit supplied. Return core vaporizer must be functional & cosmetically intact for acceptable return to the exchange pool. Any deficiencies will be corrected & billed accordingly.**



\*Please ask an associate for specific Vaporizer Exchange Program pricing & for ordering information



## OXYGEN SUPPLY



# e2 OXYGEN CONCENTRATOR

## OXYGEN ON HAND & AVAILABLE 24/7

The e2 is the only oxygen concentrator of its kind on the market today. The unit draws in room air and separates oxygen from the air, utilizing the Pressure Swing Absorption process and creates medical-grade oxygen for the patient.


The e2 Oxygen Concentrator compresses the medical grade oxygen to 60 PSI and stores the oxygen in a reservoir for supply on demand.

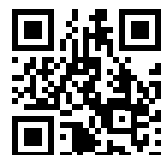
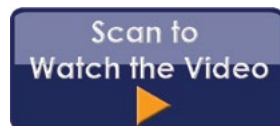
Once the reservoir pressure builds to 60 PSI, the compressor shuts down and enters Power Saving Mode. As the procedure requires oxygen, the e2 supplies a regulated steady flow of oxygen at 50 PSI. As the reservoir is depleted, the compressor energizes and starts the process over.

### e2 Standard Features

- Industry standard DISS oxygen supply inventory
- Built for veterinary applications
- Visual safety alerts
- 24/7 operation
- Oxygen percentage monitor
- 1-4 LPM flow >93% oxygen with higher flows possible (see manual)
- Hour meter & flow meter

### What makes e2 great?

- **Made in the USA** 
- Easy to install on any machine
- No hassle of managing oxygen supply inventory
- No booster needed
- Simple operation
- Energy efficient - costs pennies per day
- Minimal maintenance
- Durable
- Low operating cost
- Automatic operation
- Cost justified in as little as 11 months for most clinics
- Optional E-tank manifold allows for easy attachment and E-tank mount for storage of backup tank in case of power failure



595-1402 E2 Oxygen Concentrator USA (110v / 60Hz)

# e2 OXYGEN CONCENTRATOR

## Product Specifications

Power Consumption	<400 watts 3.4 Amps (Power Supply UL Labeled)		
Compressor Range <sup>*1</sup>	35-65 PSI/regulated output pressure 50 PSI± 2PSI (Compressor UL Labeled)		
High Elevation Operation	For every 1,000 feet increase in elevation, pressure will drop approximately 1 PSI		
Dimensions	Height: 29"	Width: 9"	Depth: 13"
Weight	34 pounds		
Noise	<40-48 dB		
Electrical	110-120 VAC	60Hz	4 Amps
	3 prong polarized grounded plug (USA)		
Storage Temperature	-5° F - 110° F		
Operating Temperature	50° F - 95° F		
Operating Humidity <sup>*2</sup>	0 - 95%	Non-Condensing	
Oxygen Concentration <sup>*2*3</sup>	1-4 LPM	93%	±3%
	4-8 LPM	80-90% range	
	8+ LPM	70-80% range	
Oxygen Supply Pressure <sup>*2*3</sup>	1-4 LPM	50 PSI	
	4-8 LPM	40-50 PSI range	
	8± LPM	30-40 PSI range	
Display/Alert	High Compressor Temperature set at 170° F		
	Oxygen Concentration		
	Oxygen Supply Pressure		
	Hours of Use		
	Accumulated Total Flow		



<sup>\*1</sup> Based on atmospheric pressure of 14.7 PSI (sea level) at 70° F.

<sup>\*2</sup> Extended periods of usage beyond intended scope of 4 LPM flow will void the warranty.

<sup>\*3</sup> Operating the unit outside the intended use specifications of temperature range, humidity range or flow range will negatively affect performance and may cause damage to the unit which voids the warranty.



e2 mounted on the Landmark VSA-2100

# OXYPLUS MODULO<sub>2</sub> OXYGEN GENERATOR



## OXYGEN DELIVERY FOR SMALL VETERINARY FACILITIES

For Healthcare facilities with little or no access to medical oxygen, Oxyplus Technologies has designed Modulo<sub>2</sub>. The Modulo<sub>2</sub> is the most user-friendly and high performing compact oxygen generator on the market, designed for small facilities with a small piping network or no piping system at all.

### Modulo<sub>2</sub> Standard Features

- 10 to 20 l/min oxygen flow at 55 PSI
- High definition 4.5" color touch-screen
- Integrated feed air unit
- Integrated PSA columns
- Integrated oxygen analyzer
- Fully automatic

### What makes Modulo<sub>2</sub> great?

- Ergonomic & compact design
- Easy operation & maintenance
- Numerous installation options
- Optional external oxygen tank
- Optional remote service by wireless connection (wifi, bluetooth, 3G/4G)



### Product Specifications

	MD10	MD20
Max Flow	10 LPM	20 LPM
Max Pressure	55 PSI	55 PSI
Dimensions	15.75 x 16.5 x 41.75	15.75 x 33 x 41.75
Weight	132 lbs	286 lbs
Noise	58 db	59 db
O <sub>2</sub> Outlet	DISS	DISS
Annual Maintenance	Replace inlet & anti-bacterial oxygen filters	

**595-MD10** Modulo<sub>2</sub> Oxyplus 110v 50-55PSI 10LPM

**595-MD20** Modulo<sub>2</sub> Oxyplus 110v 50-55 PSI 20LPM

# OXYGEN/GAS SUPPLY Oxygen Manifolds

## Oxygen Supply Manifold Systems

Oxygen Manifold / 2 Cylinders / Manual Changeover  
Part # **595-0200**

Oxygen Manifold / 2 Cylinders / Manual / Alarm  
Part # **595-0250**

Oxygen Manifold / 2 Cylinders / Auto Changeover  
Part # **595-1200**

Oxygen Manifold / 2 Cylinders / Auto / Alarm  
Part # **595-1250**

Oxygen Manifold / 4 Cylinders / Manual Changeover  
Part # **595-0400**

Oxygen Manifold / 4 Cylinders / Manual / Alarm  
Part # **595-0450**

Oxygen Manifold / 4 Cylinders / Auto Changeover  
Part # **595-1400**

Oxygen Manifold / 4 Cylinders / Auto / Alarm  
Part # **595-1450**

Oxygen Manifold / 4 Cylinders / Auto / Alarm / Parallel Backup Regulator  
Part # **595-1499**



## 6 Way Manifold

O<sub>2</sub> Tees: 2 inputs, 1 output w/ check valves  
Part # **910-125**

O<sub>2</sub> DISS Tee: w/ check valve, dual outputs  
Part # **580-0745**



## Flowmeters

Precision Oxygen Flowmeter 0-200cc  
Part # **581-1780**



Precision Oxygen Flowmeter 0-1L  
Part # **581-1781**

Precision Oxygen Flowmeter 0-3L  
Part # **581-1783**

Precision Oxygen Flowmeter 0-5L  
Part # **581-1785**

Precision Oxygen Flowmeter 0-8L  
Part # **581-1788**

Precision Oxygen Flowmeter 0-15L  
Part # **581-1795**

Oxygen Flow Control Valve w/ Torque Guard  
Part # **510-144**



Porter Flowmeter - Oxygen Single Scale 0-4L  
Part # **582-510**

Porter Flowmeter - Oxygen Dual Scale 0-900cc to 1-4L  
Part # **582-515**



Porter Flowmeter - Oxygen Single Scale 0-10L  
Part # **582-520**

Porter Flowmeter - Nitrous Oxide Single Scale 0-10L  
Part # **582-521**

Porter Flowmeter - 0-4L Flow Control Valve  
Part # **582-523**

Porter Flowmeter - 0-10L Flow Control Valve  
Part # **582-525**

**Tank Manifolds, Regulators, and Brackets**

O<sub>2</sub> E tank manifold, yokes, gauge, pigtail hose  
Part # **580-1270**



O<sub>2</sub>/N<sub>2</sub>O manifold, yoke, gauge  
Part # **580-1285**

Tank Wrench  
Part # **580-1280**



Gas Supply O<sub>2</sub> Hose DISS x DISS 18" yoke pigtail  
Part # **580-0740**

Gas Supply E Cylinder Regulator 50 PSI/ M1870P  
Part # **580-0735**



Gas Supply H Cylinder Regulator  
Part # **580-774**



Gas Supply H Dual Tank Bracket  
Part # **580-1755**



Gas Supply H Triple Tank Bracket  
Part # **580-1756**



Banfield O<sub>2</sub> Yoke Assembly with Regulator and Flowmeter  
Part # **910-311A**



Munich Oxygen Regulator 50 PSI Input to Landmark  
Part # **910-075A**

Munich Air Regulator 50 PSI Input to Landmark  
Part # **910-085A**

**Oxygen Supply Tees**

O<sub>2</sub> Tees: 2 inputs, 1 output w/ check valves  
Part # **910-125**



O<sub>2</sub> DISS Tee: w/ check valve. 1 input, dual outputs  
Part # **580-0745**



# CONNECTORS & FITTINGS



# OXYGEN/GAS SUPPLY

Vetland Medical offers several options for custom hose fittings. Listed, are just a few of the most popular.



Please call us for details on your specific needs

OXYGEN SUPPLY

## DISS Hose Fittings

DISS Male x 1/8" NPT Part # <b>1241-2</b>	
DISS Male x 1/4" NPT Part # <b>1241-4</b>	
DISS Male x 1/4" Barb Part # <b>1241-17</b>	
DISS Female Cap Chain Part # <b>1242-2</b>	
DISS Male x DISS Male Coupler Part # <b>1242-5</b>	
DISS Female x DISS Female Coupler Part # <b>1242-11</b>	
DISS Female x DISS Male 90° 1.5 in Part # <b>1249-1</b>	
DISS Female x 1/4" Barb Part # <b>1242-3</b>	
DISS Female Hand-Tight Nub x 1/4" Barb Part # <b>2417HT</b>	
DISS Female x Dual DISS Male Outlets with Demand Valves Part # <b>YO-124DV</b>	

## Puritan Bennett Style Quick Connects

PB Male x 1/4" Barb Part # <b>PQ-124-17</b>	
PB Male x 1/8" NPT Male Part # <b>PQ-124-02</b>	
PB Male x 1/8" NPT Female Part # <b>PQ-124-2F</b>	
PB Female x 1/4" Barb Part # <b>PQF-24-17</b>	
PB Female x 1/8" NPT Part # <b>PQF-24-4</b>	
Oxygen Wye PB Male x Dual PB Female Outlets Part # <b>YO-PQ24</b>	

## Schrader Style Quick Connects

Schrader Male x 1/4" Barb Part # <b>SH-24-17S</b>	
Schrader Male x 1/8" NPT Male Part # <b>SH-24-2S</b>	
Schrader Male x 1/8" NPT Female Part # <b>SH-24-2FS</b>	
Schrader Female x 1/4" Barb Part # <b>SCF-24-17</b>	
Schrader Female x 1/4" NPT Male Part # <b>SCF-24-4</b>	
Non-Swivel Schrader Male x Dual Schrader Female Part # <b>YO-SC24</b>	

# OXYGEN/GAS SUPPLY

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OXYGEN SUPPLY

## Ohmeda Style Quick Connects

Ohmeda Male x 1/4" Barb Part # <b>OH-124-17</b>	
Ohmeda Male x 1/8" NPT Male Part # <b>OH-124-2</b>	
Ohmeda Male x 1/8" NPT Female Part # <b>OH-124-2F</b>	
Ohmeda Male x DISS Male Part # <b>OH-124-9</b>	
Ohmeda Male x DISS Female Part # <b>OH-124-24</b>	
Ohmeda Female x 1/4" Barb Part # <b>OHF-24-17</b>	
Ohmeda Female x 1/8" NPT Male Part # <b>OHF-24-2</b>	
Ohmeda Female x 1/8" NPT Female Part # <b>OHF-24-2F</b>	
Ohmeda Male x DISS Male Part # <b>OHF-24-9</b>	
Ohmeda Male x DISS Female Part # <b>OHF-24-24</b>	
Ohmeda Male x Dual Ohmeda Female Outlets Part # <b>YO-OH24</b>	

## Chemtron Style Quick Connects

Chemtron Male x 1/4" Barb Part # <b>CM-124-17</b>	
Chemtron Male x 1/8" NPT Male Part # <b>CM-124-2</b>	
Chemtron Male x 1/8" NPT Female Part # <b>CM-124-2F</b>	
Chemtron Male x DISS Male Part # <b>CM-124-9</b>	
Chemtron Male x DISS Female Part # <b>CM-124-24</b>	
Chemtron Female x 1/4" Barb Part # <b>CMF-24-17</b>	
Chemtron Female x 1/8" NPT Male Part # <b>CMF-24-2</b>	
Chemtron Female x 1/8" NPT Female Part # <b>CMF-24-2F</b>	
Chemtron Male x DISS Male Part # <b>CMF-24-9</b>	
Chemtron Male x DISS Female Part # <b>CMF-24-24</b>	
Chemtron Male x Dual Chemtron Female Outlets Part # <b>YO-CM24</b>	

# OXYGEN/GAS SUPPLY

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OXYGEN SUPPLY

OXYGEN SUPPLY

## Compact Valves

1/8" NPT Male Inlet, 1/8" NPT Male Outlet Part # <b>7102</b>	
1/4" NPT Male Inlet, 1/8" NPT Male Outlet Part # <b>7104</b>	
1/8" NPT Female Inlet, 1/8" NPT Female Outlet Part # <b>7202</b>	
1/8" NPT Male Inlet, 1/8" NPT Female Outlet Part # <b>7302</b>	
1/4" NPT Male Inlet, 1/4" NPT Female Outlet Part # <b>7304</b>	

## Demand Valves

Demand Valve Body, DISS Male x 1/4" NPT Male Part # <b>1241-4DV</b>	
Demand HT Valve Body, DISS Male x 1/4" Barb Part # <b>1241-17DV</b>	

## Crosses

1/8" NPT All Ports Part # <b>CR-2</b>	
1/4" NPT All Ports Part # <b>CR-4</b>	

## 3-Way Tees

1/8" NPT All Ports Part # <b>T-2</b>	
1/4" NPT All Ports Part # <b>T-4</b>	

## Pipe Thread to Barbed Hose Adapters

Male 1/8" NPT x 1/4" Barb Part # <b>MPT-24</b>	
Male 1/4" NPT x 1/4" Barb Part # <b>MPT-44</b>	
Female 1/8" NPT x 1/4" Barb Part # <b>FPT-24</b>	
Female 1/4" NPT x 1/4" Barb Part # <b>FPT-44</b>	
Male 1/8" NPT x 1/4 Barb 90° Part # <b>HA-217</b>	
Male 1/4" NPT x 1/4" Barb 90° Part # <b>HA-417</b>	

## Splicer 1/4" Barbs

Splicer 1/4" Barbs Part # <b>HS-44</b>	
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## Male to Female Adapters

1/8" Female NPT x 1/4" male NPT Part # <b>AB-24</b>	
1/4" Female NPT x 1/8" Male NPT Part # <b>AB-42</b>	

## Street Tees

1/8" NPT Street Tee Part # <b>ST-2</b>	
1/4" NPT Street Tee Part # <b>ST-4</b>	

## Branch Tees

1/8" NPT Branch Tee Part # <b>BT-2</b>	
1/4" NPT Branch Tee Part # <b>BT-4</b>	

## 90° Elbows

1/8" NPT All Ports Part # <b>EL-2</b>	
1/4" NPT All Ports Part # <b>EL-4</b>	
1/8" NPT Female x 1/8" NPT Male Part # <b>EL-22M</b>	
1/4" NPT Female x 1/8" NPT Male Part # <b>EL-42M</b>	
1/8" NPT Female x 1/4" MPT Male Part # <b>EL-44M</b>	

## Female to Female Couplers

1/8" NPT Female Part # <b>FC-2</b>	
1/4" NPT Female Part # <b>FC-4</b>	
1/8" NPT Female x 1/8" NPT Female Part # <b>FC-42</b>	

## Ferrules

Part # <b>510-941</b>	
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## Crimp Tool

Part # <b>CR-100</b>	
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## Extension Adapters

1/8" NPT Female x 1/8" NPT Male Part # <b>LAB-22-25</b>	
1/4" NPT Female x 1/4" NPT Male Part # <b>LAB-44-3</b>	
1/8" NPT Long Nipples 2" Length Extension Part # <b>LN-2-20</b>	

## Countersunk Pipe Plugs

1/8" NPT Male Part # <b>PG-2C</b>	
1/4" NPT Male Part # <b>PG-4C</b>	

## High Pressure Fittings Cylinder Wrenches

Polycarbonate Cylinder Wrench with 12" Chain & Clip Part # <b>WR-1C12</b>	
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## Pin-Indexed Yoke Assemblies

Replacement Components for Yoke Assemblies	
Extended T-Bar Handle, Screw Length - 2 3/16" Part # <b>TH-2</b>	
Fluorocarbon Washer with Brass Ring (Recommended for oxygen service) Part # <b>RW-2</b>	

STEP 1: CHOOSE AN INLET TYPE		STEP 2: CHOOSE AN OUTLET TYPE		STEP 3: HOSE LENGTH
C1	Chemtron Male CM-124-17	C5	Chemtron Female CMF-24-17	Custom Hose Length  <b>\$125 FLAT RATE UP TO 15 LINEAR FEET</b>  
H1	Ohmeda Male OH-124-17	H5	Ohmeda Female OHF-24-17	
P1	Puritan Male PQ-124-17	P5	Puritan Female PQF-4-17	
S1	Schrader Male SH-24-175	F5	Schrader Female SCF-24-17	
H5	Ohio Female OHF-24-17	80	DISS Male HT 1241-17	
C5	Chemtron Female CMF-24-17	82	DISS Female HT 2417-HT	
82	DISS Female HT 2417-HT	85	DISS Female Hex Nut 1242-3	
85	DISS Female Hex Nut 1242-3	89	DISS Male HT with Demand Valve 1241-17-DV	
92	1/8" NPT Female FPT-24	92	1/8" NPT Female FPT-24	
94	1/4" NPT Female FPT-44	94	1/4" NPT Female FPT-44	
91	1/8" NPT Male MPT-24	91	1/8" NPT Male MPT-24	
93	1/4" NPT Male MPT-44	93	1/4" NPT Male MPT-44	

Your Part Number Is:

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**All configurations \$125**  
custom fittings with a hose length of up to 15 linear feet

Add \$2.50 per linear foot over 15'

*If your needed components are not listed above, please call us and we will be happy to configure any hose you require.*



NOTE: Components also available for

- Nitrous Oxide
- Air
- Nitrogen
- Evacuation
- Vacuum

# BREATHING ACCESSORIES



# EcoSorb

## Carbon Dioxide Absorbent



### UNIQUE PARTICLE GEOMETRY

EcoSorb is a white to violet medical grade soda lime for veterinary closed anesthesia circuits. EcoSorb is a product of Vetland Medical and consists of D-shaped, irregularly sized particles. The geometry produces better packing density, minimizes the distance to the center of the particle and provides greater surface area versus volume. These qualities combine to create improved absorption capacity.

- Effective shape for CO<sub>2</sub> absorption
- Larger surface area relative to volume
- Decreased reaction time resulting in high absorption levels
- Maximum consumption of soda lime

### LOW DUST

The dust content of EcoSorb is minimal and coupled with its standard hardness, ensures zero additional dust is produced during transport and handling. This reduces the risk of dust contamination and gas flow resistance during use.

### CO<sub>2</sub> ABSORPTION CAPACITY

In low-flow anesthesia, EcoSorb demonstrates a highly efficient absorption capacity. Test data confirms EcoSorb consistently absorbs approximately 150 liters of CO<sub>2</sub> per kilogram before experiencing a 0.5% CO<sub>2</sub> breakthrough. The ultimate benefit of this attribute is the cost savings associated with the higher absorption capacity.

### CHEMICAL COMPOSITION & ANESTHETIC DEGRADATION

EcoSorb does not contain Potassium Hydroxide (KOH). A small amount of Sodium Hydroxide (NaOH) is in the product to act as a catalyst.

### MOISTURE CONTENT

EcoSorb is manufactured with a moisture content of 15.5%. This attribute prevents the granules from drying out during normal usage.

*EcoSorb is an efficient absorbent when used according to its instructions for use.*

561-2500	EcoSorb 3 lb. bag
561-2501	EcoSorb Prepack canister
561-2502	EcoSorb 37 lb. pail/bucket
561-2503	EcoSorb twin jug
561-2500C	Case of (12) 3-lb bags
561-2501C	Case of (12) Prepack canisters

Scan to Watch the Video



## BREATHING ACCESSORIES

### • MASKS

#### Rodent Masks

567-7105	Rodent Mask
567-3380A	Rodent Circuit Assembly (mask, circuit, adapters)



#### Feline Masks

560-4001	Cat Mask (Small)
560-4002	Cat Mask (Medium)
560-4003	Cat Mask (Large)



#### Canine Masks

560-0701	Vetland Canine Mask - Size 1 (4.5cm diam x 2.5cm depth)
560-0702	Vetland Canine Mask - Size 2 (5.5cm diam x 3cm depth)
560-0703	Vetland Canine Mask - Size 3 (6cm diam x 3.5cm depth)
560-0704	Vetland Canine Mask - Size 4 (9cm diam x 7.5cm depth)
560-0705	Vetland Canine Mask - Size 5 (9cm diam x 8.5cm depth)
560-0706	Vetland Canine Mask - Size 6 (13.5cm diam x 11.5cm depth)
560-0707	Vetland Canine Mask - Size 7 (13.5cm diam x 12cm depth)
560-0708	Vetland Canine Mask - Size 8 (15cm diam x 18cm depth)



#### 560-0721 Vetland Mask Harness

#### Malleable Black Rubber Masks

560-0733	Halls Soft Malleable Black Rubber Mask (Small 3.5"L x 2.5"Diam)
560-0734	Halls Soft Malleable Black Rubber Mask (Medium 3.5"L x 4.5"Diam)
560-0735	Halls Soft Malleable Black Rubber Mask (Large 6.5"L x 2.5"Diam)



#### Eldridge Masks

560-0730	Eldridge Mask feline/small canine (3.5" OD x 3" Deep with 1" opening)
560-0731	Eldridge Mask canine (5" OD x 4.75" Deep with 1.75" opening)
560-0732	Eldridge Mask large canine (6" OD x 5.75" Deep with 3" opening)



### • CO<sub>2</sub> ABSORBENT

#### Premium

561-1210	LithoLyme Pre-packs
561-1310	LithoLyme Bag
561-1410	LithoLyme Pail
561-1210c	LithoLyme Pre-packs / case of 12
561-1310c	LithoLyme Bag / case of 12



#### Economy

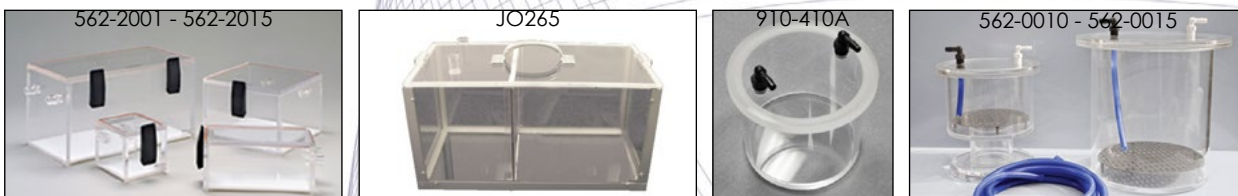
561-2500	EcoSorb 3 lb. bag
561-2501	EcoSorb Prepack canister
561-2502	EcoSorb 37 lb. pail/bucket
561-2503	EcoSorb twin jug
561-2500C	Case of 3 lb bags
561-2501C	Case of Prepack canisters



# BREATHING ACCESSORIES

## • CHAMBERS

- 562-2001** Induction Chamber -1-Liter (3.75"W x 4.50"D x 3.75"H)
- 562-2002** Induction Chamber - 2-Liter (3.75"W x 9.00"D x 3.75"H) (approximately 650gm)
- 562-2007** Induction Chamber -7-Liter (8.25"W x 8.75"D x 5.75"H)
- 562-2015** Induction Chamber - 15-Liter (15.00"W x 7.50"D x 7.75"H)
- 910-410A** 5" Round Vetland Medical Chamber
- 562-0010** Induction Chamber Rodent/Exotic Viking (6"H with pedestal - 4" diam mice)
- 562-0015** Induction Chamber Rodent/Exotic Viking (8"H X 8" diam mice)



## • TWO DIRECTIONAL MANIFOLDS FOR VERY SMALL ANIMALS

- 563-M-4** Manifold for 2 Devices
- 563-M-6** Manifold for 3 Devices
- 563-M-8** Manifold for 4 Devices
- 563-M-10** Manifold for 5 Devices

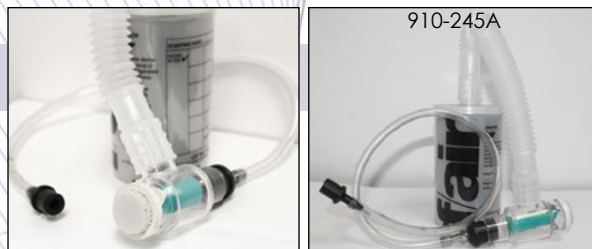


## • COAX TABLES

- 563-coax-4M** Coax-4 with 2 mouse-sized masks
- 563-coax-4R** Coax-4 with 2 rat-sized masks
- 563-coax-4MR** Coax-4 with 2 mouse and 2 rat-sized masks
- 563-VM-33-S** Replacement transparent silicone diaphragms (7/cs)
- 563-coax-4M2M** 2 mouse-sized masks only
- 563-coax-4R2R** 2 rat-sized masks only



- 910-245A** UofL mouse coax (special)



# BREATHING ACCESSORIES

## • BREATHING BAGS

- 563-2799** 1/4 Liter Breathing Bag (Latex-Free - single use)
- 563-2800** 1/2 Liter Breathing Bag (Latex-Free - single use)
- 563-2801** 1 Liter Breathing Bag (Latex-Free - single use)
- 563-2802** 2 Liter Breathing Bag (Latex-Free - single use)
- 563-2803** 3 Liter Breathing Bag (Latex-Free - single use)
- 563-2899** 1/2 Liter Breathing Bag (Blue Rubber - reusable)
- 563-2900** 3/4 Liter Breathing Bag (Blue Rubber - reusable)
- 563-2901** 1 Liter Breathing Bag (Blue Rubber - reusable)
- 563-2902** 2 Liter Breathing Bag (Blue Rubber - reusable)
- 563-2903** 3 Liter Breathing Bag (Blue Rubber - reusable)
- 563-2904** 4 Liter Breathing Bag (Blue Rubber - reusable)
- 563-2905** 5 Liter Breathing Bag (Blue Rubber - reusable)
- 563-2906** 6 Liter Breathing Bag (Blue Rubber - reusable)



- 563-2915** 15 Liter Breathing Bag (Black Rubber - reusable)
- 563-2930** 30 Liter Breathing Bag (Black Rubber - reusable)

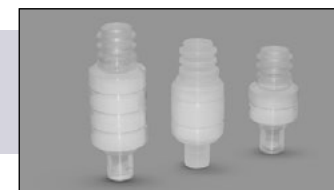


- 563-3001** Resuscitation Bag (Pediatric)
- 563-3002** Resuscitation Bag (Adult)



## • HEAT & MOISTURE CONSERVATION

- 564-0500** Heat/Moisture Exchanger (Sm)
- 564-1000** Heat/Moisture Exchanger (Med)
- 564-1500** Heat/Moisture Exchanger (Lg)



## • BREATHING CIRCUITS

### Unilimb Universal Coaxial Breathing Circuits

- 567-1370** Pediatric Unilimb F-Circuit without Bag
- 567-1372** Pediatric Unilimb F-Circuit with 2L Bag



- 567-1340** Adult Unilimb F-Circuit 40" with 3L Bag
- 567-1340c** Adult Unilimb F-Circuit 40" with 3L Bag (case of 30)
- 567-1342** Adult Unilimb F-Circuit 40" without Bag
- 567-1343** Adult Unilimb F-Circuit 40" with 5L Bag
- 567-1344** Adult Unilimb F-Circuit 40" with 1L Bag
- 567-1345** Adult Unilimb F-Circuit 40" with 2L Bag
- 567-1345c** Adult Unilimb F-Circuit 40" with 2L Bag (case of 30)
- 567-1360** Adult Unilimb F-Circuit 60" with 3L Bag
- 567-1360c** Adult Unilimb F-Circuit 60" with 3L Bag (case of 30)
- 567-1361** Adult Unilimb F-Circuit 60" without Bag
- 567-1362** Adult Unilimb F-Circuit 60" with 5L Bag
- 567-1363** Adult Unilimb F-Circuit 60" with 1L Bag
- 567-1364** Adult Unilimb F-Circuit 60" with 2L Bag



# BREATHING ACCESSORIES

## Standard Wye Breathing Circuits

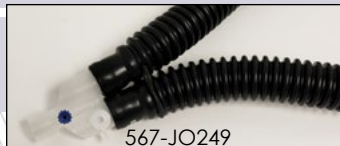
- 567-2300 Pediatric Circuit 30" without Bag
- 567-2301 Pediatric Circuit 30" with 5L Bag
- 567-2302 Pediatric Circuit 30" with 1L Bag
- 567-2303 Pediatric Circuit 30" with 2L Bag
- 567-2304 Pediatric Circuit 30" with 3L Bag
- 567-2360 Pediatric Circuit 36" without Bag
- 567-2360c Pediatric Circuit 36" without Bag (case of 30)
- 567-2361 Pediatric Circuit 36" with 5L Bag
- 567-2362 Pediatric Circuit 36" with 1L Bag
- 567-2362c Pediatric Circuit 36" with 1L Bag (case of 30)
- 567-2363 Pediatric Circuit 36" with 2L Bag
- 567-2364 Pediatric Circuit 36" with 3L Bag
- 567-2600 Pediatric Circuit 60" without Bag
- 567-2600c Pediatric Circuit 60" without Bag (case of 30)
- 567-2601 Pediatric Circuit 60" with 5L Bag
- 567-2602 Pediatric Circuit 60" with 1L Bag
- 567-2603 Pediatric Circuit 60" with 2L Bag
- 567-2604 Pediatric Circuit 60" with 3L Bag



- 567-2840 Adult Size Circuit 40" with 3L Bag
- 567-2840c Adult Size Circuit 40" with 3L Bag (case of 30)
- 567-2860 Adult Size Circuit 60" with 3L Bag
- 567-2872 Adult Size Circuit 72" with 3L Bag



- 567-JO249 Black Rubber 22mm Circuit with Plastic Wye
- 219-0113-500 22mm x 22mm Adapter to Extend Length



## Non-Rebreathing Circuits for Animals Under 10 Pounds

- 910-312A Bain CPRAM Breathing Circuit  
(includes fresh gas tubing, 15mm adapter & scavenging line)  
(Accepts any mask - Shown with rodent mask.)  
(Mask sold separately)



- 567-3374 1L Bag with Modified Jackson Rees Circuit
- 567-3374c 1L Bag with Modified Jackson Rees Circuit (case of 20)
- 567-3375 Modified Jackson Rees with 2L Bag
- 567-3375c Modified Jackson Rees with 2L Bag (case of 20)
- 567-3376 Modified Jackson Rees without Bag
- 567-33M2 Mapleson Non-Rebreathing circuit  
(with fresh gas line, exp. hose, 2-Liter bag with bleed valve)
- 527-1019A Fresh gas adapter tubing for 23mm manifold  
(machine/ fresh gas tubing and 23mm outlet cap to  
to connect Tek 3 to NRb ck elbow port)



# BREATHING ACCESSORIES

## Large Animal Breathing Hoses & Wyes

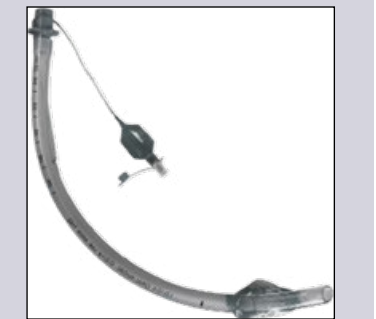
- 810-250 Large Animal Breathing Hose 2" x 72" (Black Rubber) (pictured)
- 810-107 LAS4000 Vent Hose 2" x 40" (Clear)
- 200B0018B 2" Wye Basic
- 220B0140C 2" Wye with CO<sub>2</sub> Port



## • ENDOTRACHEAL TUBES

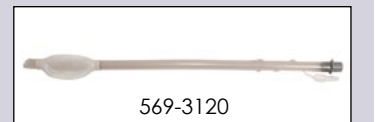
### Economy PVC Clear Cuffed ET Tubes

- 569-3030 Size 3.0mm x 15cm
- 569-3035 Size 3.5mm x 16cm
- 569-3040 Size 4.0mm x 19cm
- 569-3045 Size 4.5mm x 20cm
- 569-3050 Size 5.0mm x 23cm
- 569-3055 Size 5.5mm x 26cm
- 569-3060 Size 6.0mm x 26cm
- 569-3065 Size 6.5mm x 28cm
- 569-3070 Size 7.0mm x 28cm
- 569-3075 Size 7.5mm x 20cm
- 569-3080 Size 8.0mm x 30cm
- 569-3085 Size 8.5mm x 31cm
- 569-3090 Size 9.0mm x 30cm
- 569-3095 Size 9.5mm x 31cm
- 569-3100 Size 10mm x 31cm



### Large Economy PVC Grey Cuffed ET Tubes with Adapter (length 21in./ 52cm)

- 569-3110 11mm
- 569-3120 12mm
- 569-3130 13mm
- 569-3140 14mm



### Pro Series PVC Blue Tint Cuffed ET Tubes with Adapter

- 569-4035 Size 3.5mm x 18cm
- 569-4040 Size 4.0mm x 20cm
- 569-4045 Size 4.5mm x 21cm
- 569-4050 Size 5.0mm x 24cm
- 569-4055 Size 5.5mm x 25cm
- 569-4060 Size 6.0mm x 26cm
- 569-4065 Size 6.5mm x 27cm
- 569-4070 Size 7.0mm x 28cm
- 569-4075 Size 7.5mm x 28cm
- 569-4080 Size 8.0mm x 29cm
- 569-4085 Size 8.5mm x 30cm
- 569-4090 Size 9.0mm x 32cm
- 569-4095 Size 9.5mm x 33cm
- 569-4100 Size 10mm x 33cm
- 569-4105 Size 10.5mm x 33cm
- 569-4110 Size 11mm x 33cm
- 569-4120 Size 12mm x 33cm
- 569-4130 Size 13mm x 33cm



### Small ProSeries PVC Blue Tint Non-Cuffed ET Tubes

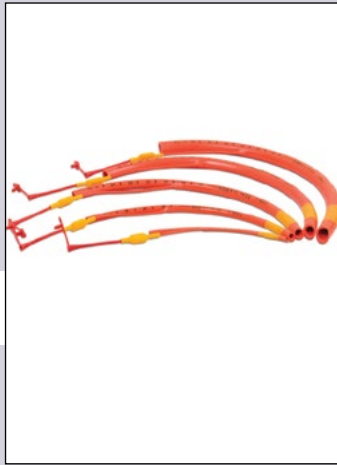
- 569-4225 Size 2.5mm x 14cm
- 569-4230 Size 3.0mm x 16cm
- 569-4235 Size 3.5mm x 18cm
- 569-4240 Size 4.0mm x 20cm
- 569-4245 Size 4.5mm x 21cm
- 569-4025 Size 2.5mm x 21cm



# BREATHING ACCESSORIES

## Reusable Red Rubber ET Tubes - Cuffed Murphy Eye without Adapters

569-5025	Size 2.5mm x 5.5in
569-5030	Size 3.0mm x 6in
569-5035	Size 3.5mm x 7.5in
569-5040	Size 4.0mm x 8in
569-5045	Size 4.5mm x 8.5in
569-5050	Size 5.0mm x 9.5in
569-5055	Size 5.5mm x 11in
569-5060	Size 6.0mm x 11.5in
569-5065	Size 6.5mm x 12in
569-5070	Size 7.0mm x 12in
569-5075	Size 7.5mm x 12in
569-5080	Size 8.0mm x 12.5in
569-5085	Size 8.5mm x 13in
569-5090	Size 9.0mm x 13in
569-5095	Size 9.5mm x 13.5in
569-5100	Size 10mm x 13.5in
569-5105	Size 10.5mm x 13.5in
569-5110	Size 11mm x 13.5in



## Large Reusable Red Rubber ET Tubes - Cuffed Murphy Eye with Adapters

569-5120	Size 12mm x 19in
569-5130	Size 13mm x 19.5in
569-5140	Size 14mm x 20in
569-5160	Size 16mm x 26in

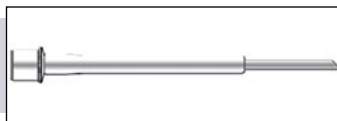
## Reusable Transparent Silicone ET Tubes - Cuffed Murphy Eye with Adapters

569-6030	Size 3mm x 16in
569-6040	Size 4mm x 18in
569-6050	Size 5mm x 20in
569-6060	Size 6mm x 28in
569-6070	Size 7mm x 30in
569-6080	Size 8mm x 33in
569-6090	Size 9mm x 34in
569-6100	Size 10mm x 36in
569-6110	Size 11mm x 40in
569-6120	Size 12mm x 44in
569-6140	Size 14mm x 48in



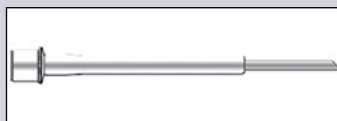
## Very Small Cole Silicone ET Tubes - with Adapter (For Avian/Exotic)

569-6010	Size 1.0mm x 5in
569-6015	Size 1.5mm x 5in



## Small Cole Silicone ET Tubes - with Adapter (For Avian/Exotic)

569-6020	Size 2.0mm x 5in
569-6025	Size 2.5mm x 5in
569-6230	Size 3.0mm x 6in
569-6240	Size 4.0mm x 6in
569-6250	Size 5.0mm x 7.5in
569-6260	Size 6.0mm x 7.5in



# BREATHING ACCESSORIES

## LARGE ANIMAL ENDOTRACHEAL TUBES

810-7100	Equine ET tube connector kit (14mm, 16mm, 18mm, 20mm, 22mm, 24mm, 26mm, 30mm, 35mm)
810-7016	Equine Silicone ET tube (16mm)
810-7018	Equine Silicone ET tube (18mm)
810-7020	Equine Silicone ET tube (20mm)
810-7024	Equine Silicone ET tube (24mm)
810-7026	Equine Silicone ET tube (26mm)
810-7030	Equine Silicone ET Tube (30mm)
810-7110	Non-Sterile Equine Nasal airway ET tube
810-7115	Equine Foal Nasal Tube 8
810-7120	Equine Foal Nasal Tube 12



810-7100	Equine ET tube connector kit 14, 16, 18, 20, 22, 24, 26, 30, 35mm
810-7114	Equine ET tube connector size 14
810-7116	Equine ET tube connector size 16
810-7118	Equine ET tube connector size 18
810-7120	Equine ET tube connector size 20
810-7122	Equine ET tube connector size 22
810-7124	Equine ET tube connector size 24
810-7126	Equine ET tube connector size 26
810-7130	Equine ET tube connector size 30
810-7135	Equine ET tube connector size 35



## MOUSE & RAT INTUBATION PRODUCTS

000A3467	Rodent Tilting Workstand
000A5644	Combo- Rodent Tilt Stand & Heated Hard Pad
000A3747	Mouse Intubation Pack
000A3746	Rat Intubation Pack
201A3354	1.22mm OD Orange ET Tube (pack of 5)
201A3353	1.27mm OD Blue ET Tube (pack of 5)
201A3491	Mouse ET Tube Introducer
200A3589L	Mouse Intubation Specula (long)
200A3589S	Mouse Intubation Specula (short)
210A3496	Mouse Lidocaine Applicator
200A3686A	Rat ET Tube 14ga Clear Cath (5 pack)
210A3492	Rat ET Tube Introducer
200A3683	Mirror for Intubation Verification
200A3590	Rat Lidocaine Applicator
200A3588	Rat Specula



BREATHING ACCESSORIES

BREATHING ACCESSORIES

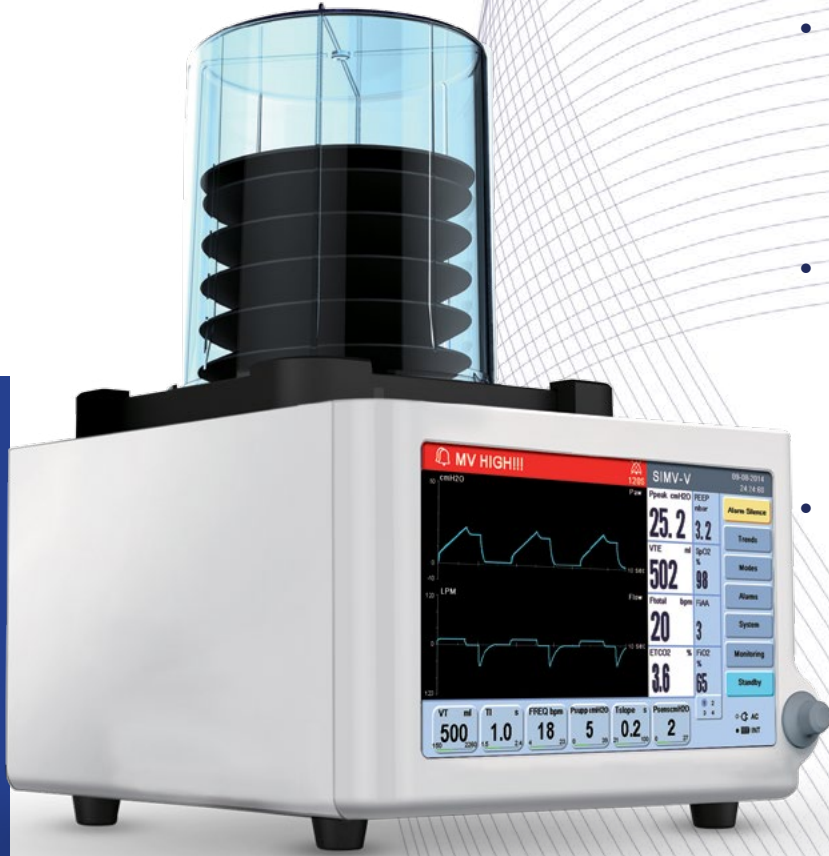
# VENTILATORS



VENTILATORS



# X-SERIES Patient Ventilator



- **SirX3**
  - Tidal Volume 50~1500mL
  - Ventilation Mode: VCV, PCV, Standby
  - 5.7" TFT LCD color screen
  - Built-in battery
  - Built-in electronic PEEP valve
  - Gas supply: O<sub>2</sub>
- **SirX5**
  - Tidal Volume 50~1500mL
  - Ventilation Mode: VCV, PCV, SIMV-VC, Standby
  - 8.4" TFT LCD color screen
  - Built-in battery
  - Built-in electronic PEEP valve
  - Gas supply: O<sub>2</sub>
- **SirX6**
  - Tidal Volume 50~1500mL
  - Ventilation Mode: VCV, PCV, SIMV-VC, Standby
  - 10.5" TFT LCD color screen
  - Built-in battery
  - Built-in electronic PEEP valve
  - Gas supply: O<sub>2</sub>

### OPTIONS

- SpO<sub>2</sub> monitoring module added to vent
- EtCO<sub>2</sub> sidestream added to vent

### X SERIES PART NUMBERS

- 710-00x3 Pneumatic Oxygen driven anesthesia ventilator SirX3 Small Animal Vent Basic
- 710-00x5 Pneumatic Oxygen driven anesthesia ventilator SirX5 Small Animal Vent Pro
- 710-00x6 Pneumatic Oxygen driven anesthesia ventilator SirX6 Small Animal Vent Pro

### OPTIONS

- 710-301000119 SpO<sub>2</sub> monitoring module added to vent
- 710-301000262 EtCO<sub>2</sub> sidestream added to vent

### ACCESSORIES

- 710-107000032 10 pack bacterial filters
- 710-107-000061 EtCO<sub>2</sub> sidestream water trap

# VENTILATORS Patient Ventilators & Accessories



- **HALLOWELL MODEL 2002 Pro**
  - Small Animal Ventilator (1-200 kg)
  - 6-40 BPM
  - 2-3000cc Tidal Volume

- 000A5765 2002PRO Anesthesia Ventilator (0-300ml bellows, housing and adapter)
- 000A5766 2002PRO Anesthesia Ventilator (300 - 1600ml bellows & housing)
- 000A5767 2002PRO Anesthesia Ventilator (1600 - 3000ml bellows & housing)
- 000A5768 2002PRO Anesthesia Ventilator (300-1600ml bellows & housing with 0-300ml attachment)
- 000A5769 2002PRO Anesthesia Ventilator with adjustable I:E Ratio (0-300ml version includes bellows, housing & adapter)
- 000A5770 2002PRO Anesthesia Ventilator with adjustable I:E Ratio(300-1600ml version includes bellows & housing)
- 000A5771 2002PRO Anesthesia Ventilator with adjustable I:E Ratio(1600-3000ml version includes bellows & housing)
- 000A5772 2002PRO Anesthesia Vent with adjustable I:E Ratio(300-1600ml version includes bellows & housing with 0-300ml attachment)

- 000A0481 0-300ml Attachment Kit (includes 000A0487A, 000A0486, 200A2288)
- 000A0487 Bellows only 0-300ml
- 000A0486 Bellows black ring adapter 0-300ml
- 200A2288 Bellows housing 0-300ml
- 000A0488A Bellows only 300-1600ml
- 200A2289 Bellows housing 300 to 1600ml
- 000A1866 Bellows only 1,600 to 3,000ml
- 200A1867 B Bellows housing 1,600 to 3,000ml



### • ENGLER ADS 2000 VENTILATOR

- Microprocessor Controlled
- Enter patient weight and the parameters are automatically displayed

- 2000-2000 Engler ADS 2000 110v
- 2000-2220 Engler ADS 2000 220v



### • ANESTHESIA WORKSTATION

- 150-400gm rodent ventilator
- 4-80 BPM
- 0-100ml tidal volume
- Heated breathing system with High Pressure Limiting

- 000A2770 AWS Anesthesia Work Station with 100ml attachment
- 000A5653 AWS Anesthesia Work Station with 200ml attachment



### • MICRO VENT

- 000A3760 Microvent



VENTILATORS

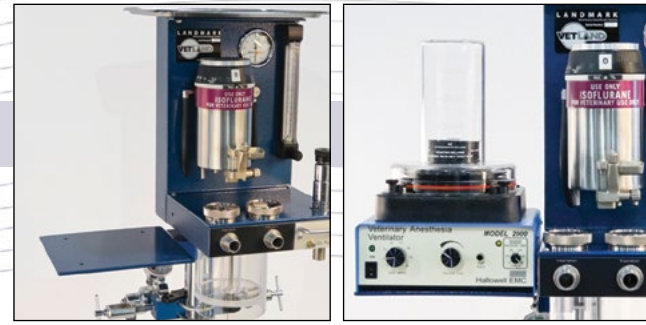
VENTILATORS

# VENTILATORS

## Mounting Options & Accessories

- VENTILATOR SIDE MOUNT

910-7795A Ventilator Mounting Plate Landmark to Hallowell



Hallowell ventilator shown mounted on VSA-2100

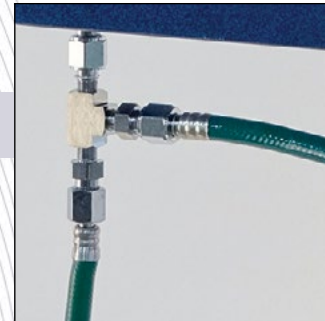
- ROLL STAND MOUNT

710-100A Vetland Basic Roll Stand  
710-100B Delux Roll Stand with Basket



- VENTILATOR DEMAND TEES

580-0745 DISS Tee: 1 input, 2 outputs with check valve to drive vent



Paula's dog, Cadence



# WASTE GAS SCAVENGING



# WASTE GAS / SCAVENGING

## Waste Gas & Scavenging System

### CHARCOAL FILTER & MOUNTING BRACKET

- Convenient
- Up to 12 hours of surgical time (average)
- Inexpensive
- Simple to use
- Passive System

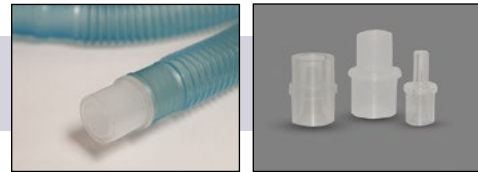
580-1250 Charcoal Filter  
 580-1270 Mounting Bracket  
 568-0200-6 19mm Scavenging Tubing 6'  
 580-1250A Charcoal Filter Kit  
 (filter, mount & 19mm tube, 22mm x 19mm & adapter)



### PLASTIC ADAPTER KIT

- 22mm OD x 22mm OD - 15mm ID
- 22mm ID x 19mm OD
- 15mm OD x 1/4 inch barb

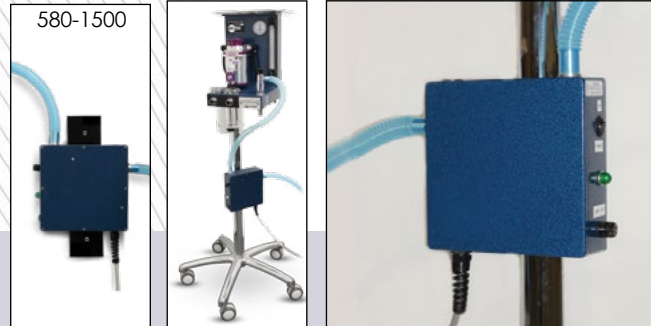
81915B 19mm to 22mm adapter only  
 80122 22mm x 15mm, 22mm x 19mm, 15mm x barb adapter kit



### EVAK POLE MOUNT POWER SCAVENGER

- Retrofit
- Universal Mount (pole or wall)
- Cost Effective
- 110 VAC
- ON/OFF switch & LED
- 19mm inlet/outlet parts
- Safe operation - Open air system (no valves)
- Forces waste gas outdoors via 19mm tubing

580-1400 Vetland Pole Mount Power Scavenger  
 580-1500 Vetland Wall Mount Power Scavenger

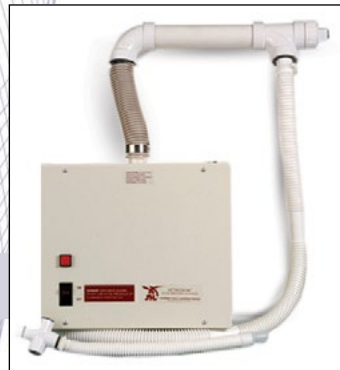


580-1400 shown mounted to VSA-2100

### E-VAK MULTI-ROOM POWER SCAVENGER

- Green Power LED
- ON/OFF switch
- 110 VAC - Fuse protected
- Moves up to 75LPM to waste gas volume
- Central system
- Up to 18 rooms
- Durable

580-1800 E-Vak Multi-Station Unit



### ANESTHETIC LEAK DETECTOR

580-9000 Tiff Anesthetic Leak Detector



# WASTE GAS / SCAVENGING

## Waste Gas & Scavenging System

### OPEN RESERVOIR VACUUM INTERFACE

- Retrofit
- Universal Mount
- Cost Effective
- Connects to facility vacuum system
- Safe operation - No valves
- Allows waste gas to be vacuumed outdoors

580-1920 Open Reservoir Vacuum Scavenger



### VACUUM PUMP SYSTEM

- Convenient
- Reliable
- Available for use 24/7
- Multi-purpose

Vetland Medical can help you choose a central vacuum system for your current facility or planned construction of your new facility.

#### Considerations:

- Building Size
- Number of vacuum outlets
- Flow demands
- Budget
- Installation
- Maintenance

Custom-built Vacuum Pump System - Call for Options



### TEST BADGES

- Isoflurane
- Sevoflurane

Test Badges are an inexpensive way to test your facility for overexposure to anesthetic gases.

#### How it works:

- Wear the badge during use of anesthetic gas for 1 to 8 hours
- After sealing and mailing to the lab, confidential test results are mailed back to you in 2 weeks

#### Why test for anesthetic waste gas:

- Maintain a safe work environment
- Most gases cannot be detected without sophisticated test instruments
- It is recommended that anesthetic gas levels be below 2ppm within the employee breathing zone
- ACVA notes that over-exposure to anesthetic gases has been linked to human physical abnormalities

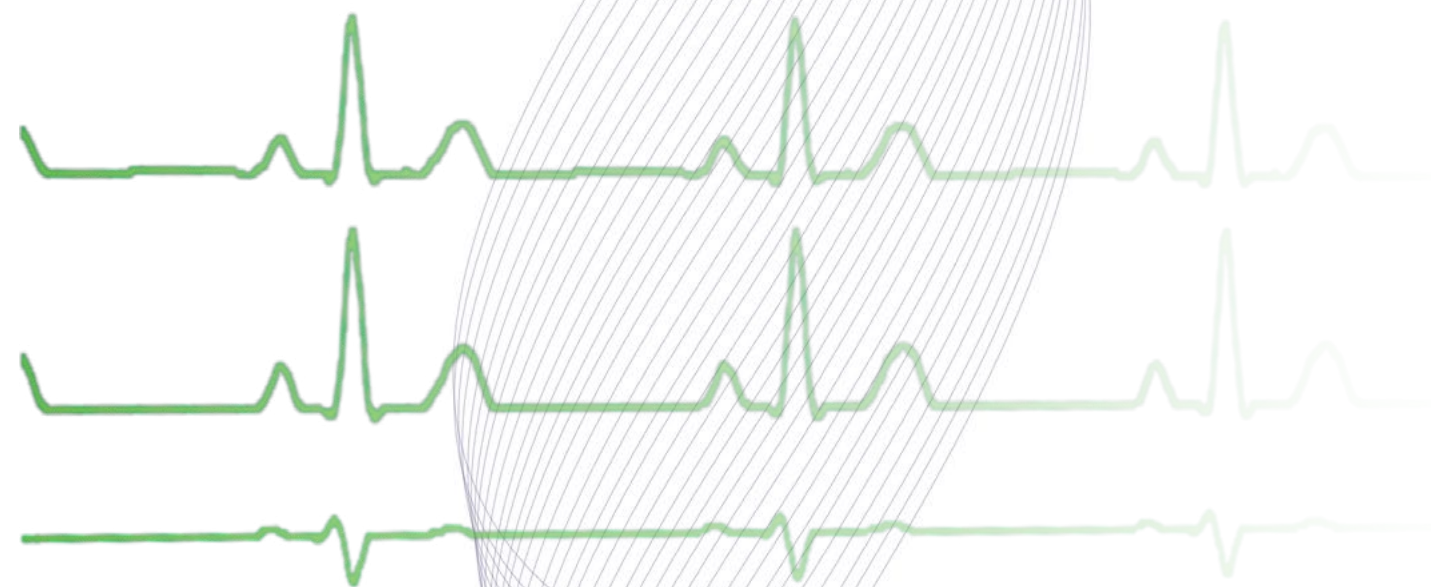
KEM-8531 Environmental Test Badges (Iso/Sevo)



Vetland Medical provides on-site waste gas testing in certain regions of the United States. Please contact us for more information.



# PATIENT MONITORS



PATIENT MONITORS

# VETLAND V1407, V1410 & V1412

## Veterinary Critical Care Patient Monitors



### NEW SMARTFLOW SYSTEM INTEGRATION

Data from the Vital Signs Monitor to the Practice Management System Automatically Charts the Anesthetic Sheet!

This Electronic Anesthetic sheet will map your patient's vitals and calculate pre-op and emergency drugs. Templates for common surgical protocols can be created, saving time and money.

No more scanning or filling out the paper anesthetic sheet!

PATIENT MONITORS

#### V1407 Standard Features

- Veterinary specific algorithms
- ECG, SpO<sub>2</sub>, NIBP, Resp, 2-Temp, 2IBP
- ECG-3 lead with 5 filtering modes / 4 sweep rates 6.5 / 12.5 / 25 / 50mm/sec
- 3CH ECG; Full 7 ECG & ST Segment analysis (Lead I, II, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6)
- 13 Arrhythmia analysis
- 7 Days tabular & graphic trend data storage 10,080 data point / 168 hours graphical trend of each parameter
- Patient information, NIBP, VENOUS STAT, APG, HRV
- AC or Long Li-ion battery operation (1pack=2 hours), (2 pack=4 hours)
- LAN & wireless LAN connection to central station
- Phaseln's multi-gas mainstream (IRMA AX+), side-stream (ISA AX+, OR+)
- AAHA compliant data importability to any practice management software via SmartFlow EMR
- Print trends, reports or waves via internal printer or network printer

#### V1410 & V1412 Standard Features

- Veterinary specific algorithms
- ECG, SpO<sub>2</sub>, NIBP, Resp, 2-Temp, 2IBP
- ECG-3 lead with 5 filtering modes / 4 sweep rates 6.5 / 12.5 / 25 / 50mm/sec
- 3CH ECG; Full 7 ECG & ST Segment analysis (Lead I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6)
- 13 Arrhythmia analysis
- 7 Days tabular & graphic trend data storage 10,080 data point / 168 hours graphical trend of each parameter
- Patient information, NIBP, VENOUS STAT, APG, HRV
- AC or Long Li-ion battery operation (1pack=2 hours), (2 pack=4 hours)
- LAN & wireless LAN connection to central station
- Phaseln's multi-gas mainstream (IRMA AX+), side-stream (ISA AX+, OR+)
- AAHA compliant data importability to any practice management software via SmartFlow EMR
- Print trends, reports or waves via internal printer or network printer

#### What makes the V-Series Monitors Great?

- Portable, compact design
- Intuitive 7", 10" or 12" high resolution display with maximum 10 waveforms
- Validated Industries Best NIBP Technology with automatic & STAT modes
- 6 virtual screen display modes
- Touch screen (optional)
- Easy software upgradability
- Repironic's EtCO<sub>2</sub> module (optional), mainstream (C5), sidestream (Lo-Flo)
- Masimo SpO<sub>2</sub> technology (optional)

# VETLAND V1407, 1410 & V1412

## Veterinary Patient Monitors continued...

### INNOVATIVE, VERSATILE & ACCURATE

The Vetland V1407, V1410 & V1412 Multi-Parameter Veterinary Patient Monitors for Critical Care are the most intuitive, versatile and accurate monitors on the veterinary market today.

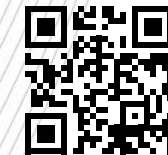
The compact design and high resolution display make them easy to use and understand. ECG, SpO<sub>2</sub>, NIBP, Resp, 2 Temp and 2IBP configurations come standard with these monitors, while remote viewing is possible from anywhere in the world via Smart Care System. Data can be easily recorded into your practice management software via SmartFlow EMR.



#### V1407 OPTIONS:

- V1407-BASE** Vetland V1407 (Includes ECG, SpO<sub>2</sub>, NIBP, Temp & RR)
- V1407-OPT-TOUC** Opt-Touch
- V1407-OPT-CO2S** Opt-Side
- V1407-CO2M** Opt-Main
- V1407-OPT-PRIN** Opt-Print
- V1407-OPT-CART** Opt-Cart
- V1407-OPT-WALL** Opt-Wall
- V1407-OPT-TEMP** Opt-add Temp

- V1407-OPT-1IBP** Opt-1BP
- V1407-OPT-VGA** Opt-VGA
- V1407-ESRT** Vetland V1407 STD-2 (ECG, SPO<sub>2</sub>, RR & Temp only)
- V1407-SNT** Vetland V1407 STD-3 (SpO<sub>2</sub>, NIBP & Temp only)
- V1407-SN** Vetland V1407 STD-4 (SpO<sub>2</sub> & NIBP only)
- V1407-C** Vetland V1407-E (CO<sub>2</sub> only)
- V1412-OPT-MAN** Operator's Manual



Scan to Watch the Video

#### V1410 OPTIONS:

- V1410-BASE** Vetland V1410 (Includes ECG, SpO<sub>2</sub>, NIBP, 2Temp, 2IBP & RR)
- V1410-OPT-TOUC** Opt-Touch
- V1410-OPT-CO2S** Opt-Side
- V1410-CO2M** Opt-Main
- V1410-OPT-PRIN** Opt-Prin
- V1410-OPT-CART** Opt-Cart
- V1410-OPT-WALL** Opt-Wall
- V1410-OPT-VGA** Opt-VGA

#### V14012 OPTIONS:

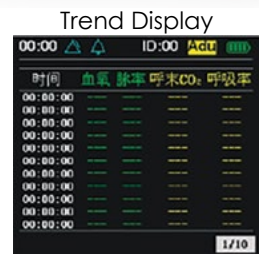
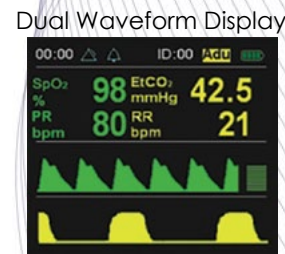
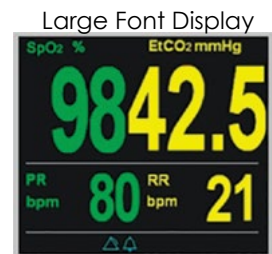
- V1412-BASE** Vetland V1412 (includes ECG, SpO<sub>2</sub>, NIBP, RR, 2Temp & 2IBP)
- V1412-OPT-TOUC** Opt-Touch
- V1412-OPT-CO2S** Opt-Side
- V1412-OPT-CO2M** Opt-Main
- V1412-OPT-PRIN** Opt-Prin
- V1412-OPT-CART** Opt-Cart
- V1412-OPT-WALL** Opt-Wall
- V1412-OPT-VGA** Opt-VGA
- V1410/12-OPT-Man** Operator's Manual
- VA-9900-9000-00** Battery for V1410/V1412



## VETLAND NT1D-V Veterinary Handheld CO<sub>2</sub> Monitor

### NT1D-V FEATURES

- Compact, lightweight, handheld design
- High-definition, bright color screen
- Measures EtCO<sub>2</sub>, respiration rate, SpO<sub>2</sub> (optional), and pulse rate
- Choose between Mainstream or Sidestream CO<sub>2</sub>
- Diagnostic CO<sub>2</sub>/SpO<sub>2</sub> waveforms
- Audible/visual physiological and technical alarms
- User adjustable alarm limits
- Pre-set alarm limits for cats, dogs, and horses
- Three hour graphical trend review
- Up to 99 patient IDs
- Operates on four AA NiMH 2400mAh - 2500mAh rechargeable batteries (>4.5 hours) or AC power
- Power charger/cradle included



VL NT1D Vetland Handheld SpO<sub>2</sub>/CO<sub>2</sub> Monitors

## VETLAND CAPNOTRUE MG Veterinary Handheld Multi-Gas Monitor

### CAPNOTRUE FEATURES

- Innovative, micro-optic technology
- Direct mainstream measurement without time delay
- Compact, robust, and ultra-light multi-gas analyzer
- Warm-up time: <20 seconds full specification
- Maintenance and calibration-free technology
- Self-explanatory, ergonomic operating functions facilitate intuitive operation
- The color information display, as well as the simple information structure, support quick decisions and a rapid user-reaction in critical situations
- Leading-edge power management with standard alkaline batteries or Li-Poly batteries or medical power supply (or combined)
- Up to 18 language versions available



Multi-Gas Analyzer with SpO<sub>2</sub>/CO<sub>2</sub> Only Options

V14MG Vetland Handheld SpO<sub>2</sub>/CO<sub>2</sub> & Multi-Gas Anesthetic Monitor

## VETLAND V1402 Veterinary Handheld Pulse Oximeter

### V1402 FEATURES

- Handheld design - Compact & light for carrying & handling
- 2.4" OLED display, high resolution: 320 x 240 pixels
- Gravity sensor automatically changes the direction of display
- Visual & audible alarms
- IPX1 Degree of protection against ingress of liquid
- Convenient AA size alkaline or rechargeable lithium batteries
- 3 AA batteries provide 16 hours of continuous operation
- Max 60000 groups short trend data can be stored & reviewed
- Infrared Communications with computer
- 1-99 data storage points/ up to 6,000 groups
- Tabular trends up to 30 minutes
- Optional ECG Function or Nellcor Technology



- V1402 Vetland V1402 Small Frame Color Handheld SpO<sub>2</sub> monitor
- V1402-RB Rechargeable base option for V1402
- V1402-SPO2 Replacement SpO<sub>2</sub> Sensor



# ACCESSORIES

## Monitoring Accessories for V1407, V1410 & V1412 monitors

### • SPO<sub>2</sub> ACCESSORIES

- V-A-SPO2-002 Tongue SpO<sub>2</sub> Sensor Dog/Cat Right Angle Clip
- V-A-SPO2-001 Multi-Site SpO<sub>2</sub> Sensor Dog/Cat Straight Clip
- V-A-SPO2-003 Oral/Rectal SpO<sub>2</sub> Sensor
- V-A-SPO2-004 SpO<sub>2</sub> Extension Cable (6.5 ft)



### • ECG ACCESSORIES

- V-A-ECG-001 Combined 3-Lead ECG & Trunk Cable
- V-A-ECG-002 ECG Clip (each)
- V-A-ECG-007 ECG Trunk Cable
- V-A-ECG-005 5 lead ECG Cable
- VESOECG-LG Esophageal ECG Probe (large)
- VESOECGT-LG Esophageal ECG Probe (large with TEMP)
- VESOECG-MD Esophageal ECG Probe (medium)
- VESOECGT-MD Esophageal ECG Probe (medium with TEMP)
- VESOECG-SM Esophageal ECG Probe (small)
- VESOECGT-SM Esophageal ECG Probe (small with TEMP)



### • HIGH DUTY CUFFS

- VA-UN-0309 Exotic 3cm x 9cm High Duty Purple Cuff
- VA-UN-0314 Extra Small 3cm x 14cm High Duty Purple Cuff
- VA-UI-0515 Small 5cm x 15cm High Duty Purple Cuff
- VA-UP-0925 Medium 9cm x 25cm High Duty Purple Cuff
- VA-UA-1745 Large 17cm x 45cm High Duty Purple Cuff
- VA-UA-3962 XL 39cm x 62cm High Duty Purple Cuff
- VA-HD-KIT Kit High Duty Cuffs (exotic, extra small, small & medium cuffs, washing caps & line adapter)



### • LITE DUTY CUFFS

- VA-UN-0309L Exotic 3cm X 9cm Lite Duty Purple Cuff
- VA-UN-0314L Extra Small 3cm x 14cm Lite Duty Purple Cuff
- VA-UI-0515L Small 5cm x 15cm Lite Duty Purple Cuff
- VA-UP-0925L Medium 9cm x 25cm Lite Duty Purple Cuff
- VA-UA-1745L Large 17cm x 45cm Lite Duty Purple Cuff
- VA-UA-3962L XL 39cm x 62cm Lite Duty Purple Cuff
- VA-LD-KIT Kit Lite Duty Cuffs (exotic, extra small, small & medium cuffs, washing caps & line adapter)



### • NIBP ACCESSORIES

- VA-T2000H Tech 2000H Single Lumen BP line with female connector to dual connector cuff
- VA-LP41 Washing Caps for High & Lite Duty Cuffs
- VA-TEC-HP Tec HP Line Adapter for High & Lite Duty Cuffs (to attach to Vetland NIBP line)
- VA-NIBP-001 NIBP Line Hose (6 ft.)
- VA-NIBP-002 NIBP Line Hose (12 ft.)

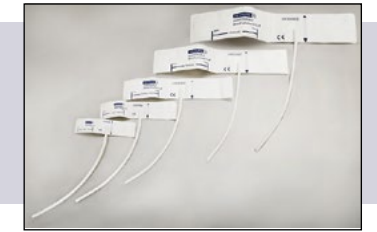


# ACCESSORIES

## Monitoring Accessories for V1407, V1410 & V1412 monitors

### • ECONOMY CUFFS

- VA-NIBP-007 Disposable NIBP Cuff (size 1)
- VA-NIBP-006 Disposable NIBP Cuff (size 2)
- VA-NIBP-005 Disposable NIBP Cuff (size 3)
- VA-NIBP-004 Disposable NIBP Cuff (size 4)
- VA-NIBP-003 Disposable NIBP Cuff (size 5)



### • INVASIVE BLOOD PRESSURE

- VA-IBP-001 Utah Style IBP Extension Cable
- VA-IBP-002 Medex Style IBP Extension Cable
- VA-IBP-003 Philips Style IBP Extension Cable
- VA-IBP-004 Abbott Style IBP Extension Cable
- VA-IBP-005 Edward Style IBP Extension Cable
- VA-IBP-006 BD Style IBP Extension Cable
- VA-IBP-007 Utah IBP Kit



### • TEMP ACCESSORIES

- VA-TEMP-001 Skin/Surface Temp Sensor
- VA-TEMP-002 Rectal Temp Sensor (larger diameter/ stiff insertion)
- VA-TEMP-003 Rectal Temp Sensor (small diameter)



### • MAIN STREAM EtCO<sub>2</sub> ACCESSORIES

- VA-R-MAIN-001 Small Animal Airway Adapter
- VA-R-MAIN-002 Exotic / Very Small Animal Airway Adapter



### • SIDE STREAM EtCO<sub>2</sub> ACCESSORIES

- VA-R-SIDE-001 Small Animal Airway Adapter
- VA-R-SIDE-002 Male Luer Sample Line with De-Humidification Tubing
- VA-R-SIDE-003 Male Luer Sample Line



### • MULTI-GAS AGENT ANALYSIS ACCESSORIES

- VA-P-GAS-001 PhaseIn NOMO Line Side Stream Line
- VA-P-GAS-002 IRMA Airway Adapter Main Stream PhaseIn

### • MONITOR ROLL STAND MOUNT

- V14xx-OPT-CART PhaseIn NOMO Line Side Stream Line



# VETERINARY PATIENT MONITORS

## • MASIMO EMMA CAPNOGRAPH

- Small, portable & lightweight
- Measures EtCO<sub>2</sub> and RR
- Rugged, water-resistant design for reliable operation in challenging environments
- Easy to maintain - no routine calibration required
- Clear, continuous capnography of Carbon Dioxide values
- Simple, easy-to-use interface for quick setup & one-touch programming
- Audible & visual alarm system for No Adapter, Clogged Adapter, No Breath (Apnea, Low Battery, and Adjustable High & Low EtCO<sub>2</sub> alarm
- No warm-up time



627-3639 Masimo EMMA Capnograph

# VETERINARY PATIENT MONITORS

## • MASIMO RAD-8 VETERINARY PULSE OXIMETER

The Masimo Rad-8 Pulse Oximeter is perfect for clinical use under any circumstance. The Rad-8 features Masimo SET pulse oximetry that is proven accurate, even during motion and low perfusion. The accuracy of Masimo SET pulse oximetry has been proven to reduce false alarms by 95% without overlooking true clinical events. The interface of the Rad-8 is easy-to-use with one-touch programming and quick setup. The large LED color-display makes it easy to read at a distance and the compact, lightweight design of the Rad-8 makes it perfect for use in many different environments.



627-9218 Masimo Rad-8

PATIENT MONITORS



## • MASIMO RAD-5 VETERINARY PULSE OXIMETER

The Masimo Rad-5 Pulse Oximeter has the accuracy and reliability of Masimo SET -perfect for continuous monitoring as well as spot checking. The Masimo SET technology has been proven - scientifically and clinically - to provide extremely accurate pulse oximetry measurements, even during motion and low perfusion. This lightweight, handheld device has a long battery life (over 30 hours on 4 AA batteries) and has user configurable power-up default settings making it convenient and low maintenance. Audible and visual alarms give clinicians updates on High/Low Saturation, Pulse Rate, Sensor OFF, and Low Battery - making tracking trends easy.

627-9198 Masimo Rad-5

## • MASIMO RAD-87 VETERINARY PULSE OXIMETER

The Masimo Rad-87 is a versatile and easy-to-use monitor with a simple, user-friendly design allowing for activation of many features with only a single touch. The high-contrast displays make the monitor easy-to-read and eliminates confusion. The Rad-87 features Masimo SET pulse oximetry and an upgradeable Masimo Rainbow SET technology platform. The Rad-87 lets you choose the non-invasive measurements that are right for your clinical setting - oxygen saturation, pulse rate and perfusion index and total hemoglobin, total arterial oxygen content, pleth variability index, carboxyhemoglobin, methemoglobin, and respiration rate. The Rad-87 also features a built-in radio, allowing for bidirectional wireless communication with Masimo Patient SafetyNet.



627-9226 Masimo Rad-87

PATIENT MONITORS

## • MASIMO RAD-57 VETERINARY PULSE OXIMETER

The Masimo Rad-57 Pulse Oximeter provides the most reliable oxygen saturation (SpO<sub>2</sub>) and pulse rate (PR) measurements under any type of challenging clinical conditions taking into consideration patient motion and low peripheral perfusion. The Masimo Rainbow Technology analyzes various wavelengths of light to measure SET measurements, carboxyhemoglobin (SpCO) total hemoglobin (SpHb), oxygen content (SpOC) and methemoglobin (SpMet). The Pleth Variability Index (PVI) - an advanced measurement that has helped clinicians non-invasively assess the fluid status of patients without interruption - is also available. The Masimo SET pulse oximetry is known for its proven accuracy and quality performance that allows for better clinical decision-making which, in turn, leads to better patient care.

627-9216 Masimo Rad-57



## • MASIMO RAD-7 VETERINARY PULSE OXIMETER

The Masimo Rad-7 is a stand-alone device that offers unprecedented versatility in multiple care areas with its multi-parameter monitoring interface via StatShare. The Rad-7 links the power of Rainbow and Masimo SET to help clinicians improve patient outcomes and reduce the cost of care. The Rad-7 allows for display changes with the touch of a finger, so clinicians can move any parameter to and from the screen and never lose track of any vital signs. With the instant-trend feature, a simple finger gesture allows clinicians to view one or two parameters at once. They can also move, expand or collapse parameter trends for real-time analysis. The Rad-7 raises the bar for non-invasive measurements and allows clinicians to instantly adapt to changing monitoring needs for individual patients.



627-R7CDS-1 Masimo Rad-7



# VETERINARY PATIENT MONITORS

## • MASIMO 7 with ROOT DOCKING STATION

The Masimo Root is an innovative and powerful new patient monitor and connectivity platform. It has an easy-to-interpret display, multiple network/connectivity options, and unites multiple streams of data while making patient care work-flows simpler. The Masimo Root allows caregivers to make swift patient assessments, better clinical decisions and take action quicker, if necessary.

The Masimo Root brings patient monitoring and care to the next level with its SedLine brain function monitoring. The SedLine monitoring is designed to better the care given to patients under sedation or anesthesia.

The state-of-the-art EEG-based brain function monitor uses four cooperating EEG channels and is available with the ISA CO<sub>2</sub> module for side stream monitoring. The ISA has virtually no warm-up time and features Nomoline to reduce costs through extended monitoring and use of non-proprietary cannulas.

Root also allows for other companies to expand the platform with their own measurements through MOC-9 because it is designed for third-party measurement expansion.

627-9218 Masimo 7 with Root Docking Station



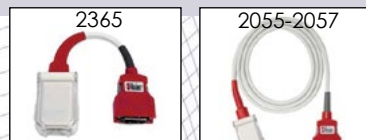
\*touchscreen feature

## ACCESSORIES

### Monitoring Accessories for Masimo Monitors

- 3529** LNCS TC-I AH, Tip-Clip Lingual Reusable Sensor, 3 ft. 1/box (>30kg)
- 3528** LNCS TF-I AH, Reusable Transflectance Tail Sensor, 3 ft. 1/box (>30kg)
- 3527** LNCS YI AH, Multisite Reusable Sensor, 3 ft. 1/box (>1kg) Also includes 1 pack of (3) YI sensor clips

- 2365** RED 20 PIN LNC-01, LNCS 20-pin SpO<sub>2</sub>, 1 ft. Patient Cable, 1/box
- 2055** RED 20 PIN LNC-04, LNCS 20-pin SpO<sub>2</sub>, 4 ft. Patient Cable, 1/box
- 2056** RED 20 PIN LNC-10, LNCS 20-pin SpO<sub>2</sub>, 10 ft. Patient Cable, 1/box
- 2057** RED 20 PIN LNC-14, LNCS 20-pin SpO<sub>2</sub>, 14 ft. Patient Cable, 1/box



- 17448** Large Airway Adapters, 1 box - 25/box
- 17449** Small Airway Adapters, 1 box - 10/box



# SUCTION PUMPS



PATIENT MONITORS

SUCTION PUMPS

# SUCTION PUMPS

- SCHUCO SUCTION PUMP



565-0130 Schuco Suction #130 with 800 cc

- ROLL STAND



SCS-2000 Suction Pump Roll Stand

- GOMCO SUCTION PUMP



565-G178 Gomco Suction #G178 with 1500cc

- GOMCO SUCTION PUMP



565-G405 Gomco Suction #G405 with 1500cc (quieter)

- SUCTION CANISTERS



502519-10 800cc (Case of 10)  
 1906-12 1200cc (Case of 12)  
 502687-12 2000cc (Case of 12)  
 1690 Hydrophobic Filter  
 1955 Patient Suction Tubing (6 ft.)  
 502690 Inline Filter & Tubing Assembly (PM60-2)  
 503477 Filter Assembly, SCS2000

- SUCTION REGULATORS



PM3xxx Suction Regulators  
 (Ask an Associate for Details)

# TEMPERATURE MANAGEMENT



SUCTION PUMPS

TEMPERATURE MANAGEMENT



# TEMPERATURE MANAGEMENT

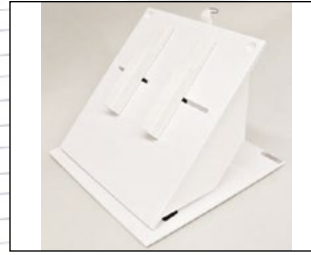
- **ADROIT HTP-1500 PUMP**

-120v  
-0hz



000A4084 Adroit HTP-1500 Pump  
000A4629 Adroit HTP Pump Adapter

- **HARD PAD FOR RODENT WORK STAND**



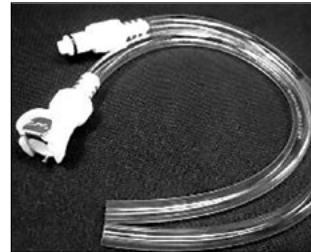
000A5643 Heated Hard Pad for Rodent Work Stand

- **COLD CONNECTORS**



154A3418 Cold Connector Male  
154A3417 Cold Connector Female

- **REPLACEMENT CONNECTOR KIT with TUBING**



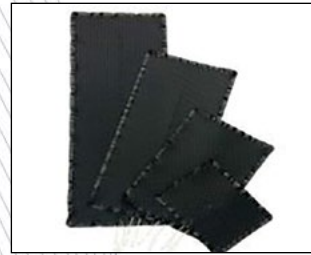
000A4083 Replacement Connector Kit with Tubing

- **HEATED HARD PADS**



D-000A2788 B 15 X 24 in.  
D-000A2787 B 21 x 24 in.  
000A4076 A 6 x 8 in.  
000A2789 B 9 x 12 in.  
DOCA3132 B Operator Sheet Instructions

- **REUSABLE FLEX WATER BLANKETS**



000A4096 12 X 17 in.  
000A4095 14 x 20 in.  
000A4094 18 x 24 in.  
000A4091 24 x 30 in.  
000A4090 24 x 60 in.

- **VETLAND COSY FLUID WARMER**



720-001 Vetland Cosy Fluid Warmer

# INFUSION PUMPS



TEMPERATURE MANAGEMENT

INFUSION PUMPS



# INFUSION PUMPS

## • VETLAND SERENITY IV FLO INFUSION PUMP



- Attractive design, lightweight and small in size
- Compatible with a variety of IV sets
- Low motor-driving noise
- Ultrasonic bubble sensor
- Easy to set VTBI to be delivered by up or down keys on the front panel
- Accurate setting of flow rate for patients
- Audio-visual alarms for added safety

710-001 Vetland Serenity IV Flo

## • VETLAND IV FLOMOTION



- All brands of IV sets of national standard (tubing diameter: 3.5-4.5mm)
- Rate range - 1~600 ml/h
- VTBI - 1-9999ml
- Prime/Bolus rate - 600ml/h
- Piggy rate: 1-600ml/h, Piggy VTBI: 1-9999ml
- KVO rate
- Built-in battery

710-002 Vetland IV FloMotion Mini Pump

## • DRIPASSIST

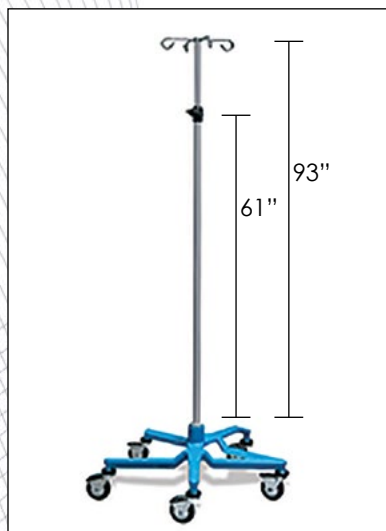


DRIPASSIST is a very simple, intuitive device that counts and times the drips running through the drip chamber on an IV bag. The information collected is displayed as ml/hr, drops/min, or ml from the start.

Select the drip factor matching your drip set, (10, 15, 20 or 60 drops/ml) slide the DRIPASSIST onto the drip chamber, and observe a quantitative measurement of the drip rate that was manually set.

000A2773 Drip Assist

## • MAXTEC SMART STACK I.V. POLE



- R100-P49-001 Smart Stack I.V. Pole
- R105-P17-001 Smart Stack I.V. Pole with Optional Basket
- R105-P12-001 Smart Stack I.V. Pole with Optional J Hooks

# CLEANING PRODUCTS



# CLEANING PRODUCTS

## • KLEENASEPTIC



**550-0015** Kleenaseptic Aerosol

## • METRIZYME



**550-4000** Metrizyme Gallon

## • CAVICIDE



**550-1000** Cavicide Gallon  
**550-1024** Cavicide 24oz. Spray Bottle

## • METRIMIST



**550-1150** Metrimist 8oz. Spray Bottle

## • METRICLEAN



**550-8100** MetriClean Gallon

# our dealers

The Anesthesia Repair Guy, Inc.  
647 Crimson Leaf Trail  
Eagan, MN 55123  
Ph : 612-270-9416  
Fax : 651-687-0570

HippoScience  
Korea

Anesthesia Specialties, Inc.  
3593 Medina Rd. #132  
Medina, OH 44256  
Ph : 800-589-5892  
Fax : 330-239-0330

Intriquip Instruments Inc.  
1862 Angus St.  
Regina, SK S4T1Z4  
Canada  
Ph : 800-361-3777

Bizmed  
15B, 15/F Cheuk Nang Plaza  
250 Hennessy Rd.  
Hong Kong

Medical Devices Biomedical Pte.  
Ltd.  
21 Toh Guan Road East  
Toh Guan Centre #05-05  
Singapore 608609  
Ph: +65-62242688

BizVet  
Shenzhen BizVet Bio-tech Co.,  
Ltd  
509, Yangnan Business Building,  
Bao'an, Shenzhen, China  
Ph : +86-158-1746-6963 /  
+86-755-3327-9185

Merco – Medical Equipment  
Repair Company  
1661 Michigan Ave.  
Virginia Beach, VA 23454  
Ph : 800-871-2547  
Fax : 757-399-2526

C.A.R.E.S. – Chapell Anesthesia  
Repair & Equipment Service  
2922 Front Rd.  
Hawkesbury, Ontario  
Canada, K6A 2R2  
Ph : 613-676-HELP

Merritt Veterinary Supplies, Inc.  
1520 Pineview Dr.  
Columbia, SC 29209  
Ph : 803-695-1698  
Fax : 803-695-1674

Distrivet  
Avda. Santa Eulàlia, 2  
08520 Les Franqueses del Valle  
Barcelon, Spain  
Ph : 93-861-63-04  
Fax : 93-849-99-54

MWI Veterinary Supply  
3041 W. Pasadena Dr.  
Boise, ID 83705  
Ph : 208-955-8930  
Fax : 803-695-1674

ECD Consultores LTDA  
Blest Gana No 6738  
Zip: 7870220  
LA Reina, Santiago, Chile

Patterson Veterinary  
137 Barnum Road  
Devens, MA 01434  
Ph : 978-353-6000  
Fax : 978-353-6016

Heartland Medical Sales &  
Services, LLC  
2601 Holloway Road  
Louisville, KY 40031  
Ph : 502-671-1014  
Fax : 502-671-1019

POLnet  
Obodrzycka 61  
Poznań, 61-249  
Poland  
Ph : 48-61-6576700  
Fax : 48-61-6576767

Professional Anesthesia  
1220 Cleveland Street  
Beloit, WI 53511  
Ph : 608-365-9491

Riya Medical Technologies  
207, Ansal Majestic Tower  
Vikas Puri, New Delhi – 110018  
Ph : 011-28544121  
Fax : 011-28544123

SC Altius SRL  
Strada Iancu Căpitănu 38  
Bucuresti 21364 Romania  
District 2  
Ph : 40-21-310-8880

Scitech Korea, Inc.  
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Gangbuk-Gu  
Seoul, KO 142-705  
Ph : 82 2 986 4413 / 4415  
Fax : +82 2 986 4429

Triumph Medical Services  
630 Lone Hickory  
Ozark, MO 65721  
Ph : 888-962-0662  
Fax : 888-589-3575

Vetmarket Co  
26 Nahshon St.  
P.O. Box 4582  
Segula, Petah Tikva 49277  
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Fax: +972 3 9393001

ZMS Healthcare SA DE CV  
AV. Revolution #303 INT. 24  
Col. Periodista, Pachuca  
Hidalgo, Mexico 42060  
Ph: +011 (5277) 1285-2217

# Why Vetland Medical?

## INNOVATION

### EX3000

Anesthetic outcomes are not all positive and there are far too high a number of avoidable injuries and deaths.

The **top 5** causes of negative outcomes:

1. **Lack of oxygen to the brain**
2. **Excessive anesthetic levels**
3. **Lack of CO<sub>2</sub> removal**
4. **Foreign matter entering the airway**
5. **Excessive lung pressures**

We followed the success of human anesthesia equipment by designing and building the EX3000 with centralized alarm structures that would aid veterinary practitioners to identify risks sooner and correct the situations before a negative outcome is realized. (See pages 2-5 for more information)



## APPLICATION

### e2 OXYGEN CONCENTRATOR

Per national standards, every anesthesia machine and oxygen delivery device prominent in the market is specified for 50 PSI of incoming oxygen supply pressure. Many oxygen concentrators being marketed to the veterinary community were intended for human home health care. These units dribble out 5 to 7 PSI of oxygen supply pressure which is woefully inadequate. We set out to address this perversion by setting design criteria for a better system that meets specifications and national standards. The result is the e2 Oxygen Concentrator that is compact, attaches much like an E Tank of oxygen and provides the necessary 50 PSI of oxygen supply pressure. (See pages 34-35 for more information)



## INGENUITY

### ECOSORB

We learned that many CO<sub>2</sub> absorbents varied in efficiency and possessed negatives such as high levels of dust, which when inhaled, was caustic and irritating.

We searched for new recipes of CO<sub>2</sub> absorbent that would reduce dust and be more efficient with lower costs. In 2014, Vetland Medical introduced EcoSorb to the market. EcoSorb exceeded our expectations and continues to be a favorite CO<sub>2</sub> absorbent among veterinary clinicians. (See page 46 for more information)



## PRECISION

### 1400 SERIES VETLAND MONITORS

We witnessed patient monitors being sold that did not operate with veterinary specific algorithms that were widely inaccurate as well as unreliable and poorly supported. We co-designed the perfect monitor that utilizes veterinary algorithms, has been "white-paper" validated for accuracy and offers new technologies for remote viewing. And, we accomplished all of this at a much lower price point than most competitors. (See pages 64-65 for more information)



## VALUE

We have established our products as the best engineered, highest quality and most reliable with the longest warranties at a competitively fair price point.

## PRODUCTS

We are experts at anesthesia, medical gas supply, patient monitoring, and other specialty operating room equipment for small animals, large animals, and exotics.

We know what you need and we have it! We are committed to your success.



## SUPPORT

We have a knowledgeable team of experts ready to assist you with any questions you may have. We are available 24 x 7 x 365 with an ultimate goal towards 100% customer satisfaction.



*We believe  
Vetland Medical is the MOST capable  
veterinary equipment manufacturer, partnering with veterinarians  
and our distributors to provide safe, secure, positive patient outcomes by  
introducing quality and innovative products and exceptional technical support.  
We would like to thank our established customers. We appreciate your continued  
support and look forward to building new relationships with our future  
customers. Please contact us with any questions.*

*The Vetland Team is available 24 x 7 to help!*

*Bud Rumpf*  
President





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866-476-0589  
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Email

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