

General Catalog for Anesthesia Products for Veterinarians and Animal Research Professionals

Anesthesia Machines

Induction chambers

Mask systems for Rodents

Surgery tablets

Controlled heating systems

Gas evacuation systems

Accessories

combi-vet®



Rothacher Medical GmbH



General Catalog

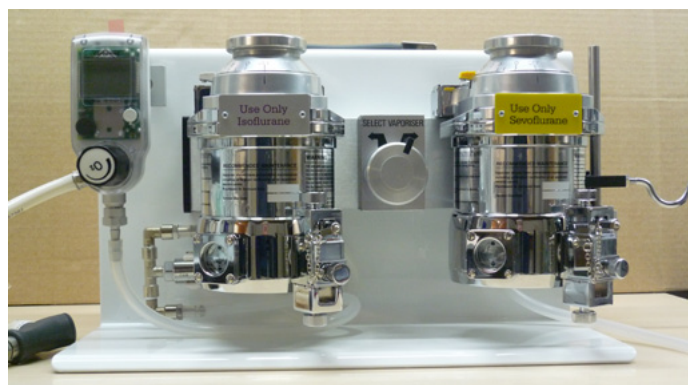
Rothacher-Medical GmbH

Rothacher-Medical GmbH is a Swiss legal company based in Heitenried near Berne, Switzerland. We are manufacturing anesthesia machines for veterinary use and especially for the animal research community. Our main goal is to find the best solution for the customer application. Our main anesthesia machine is the combi-vet® Digital with a unique Digital Flowmeter with continuous flow rating from 0.3 up to 16 lpm.



Innovation and new products

Rothacher-Medical GmbH is manufacturing and assembling most of the machines in Switzerland. Our main goal is to provide our customer with the highest quality products. In addition, we are currently developing new items based on feedback from the current research communities from Universities.

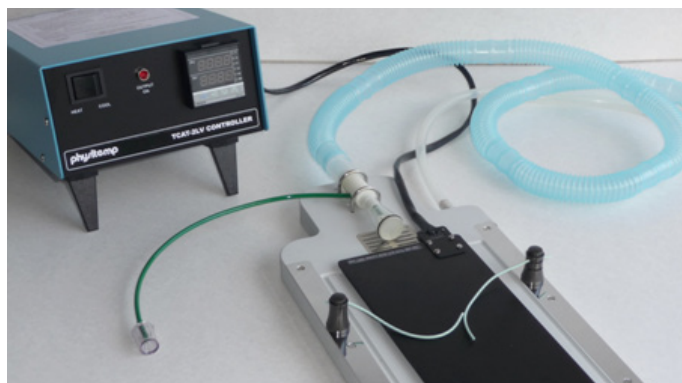


Anesthesia machines

Especially designed for inhalation of anesthetic substances of domestic pets and other small animals, the combi-vet® is a lightweight, compact and robust base device. It can be used either on a rail mount system, on our Anesthesia machine with storage cabinet or as a standalone unit on a table.

Surgery tables Heating and Gas evacuation systems for mice and rats for Veterinary use

Especially designed for research field, we have different surgery tables, Heating- and anesthesia gas evacuation systems available. With these different accessories, you will find a perfect solution to perform your surgeries. These systems can be added to existing or to our combi-vet anesthesia system.



Accessories for the research community

We have a wide range of accessories available and a Service Center for Anesthetic Vaporizer

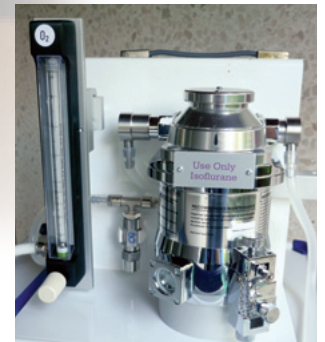
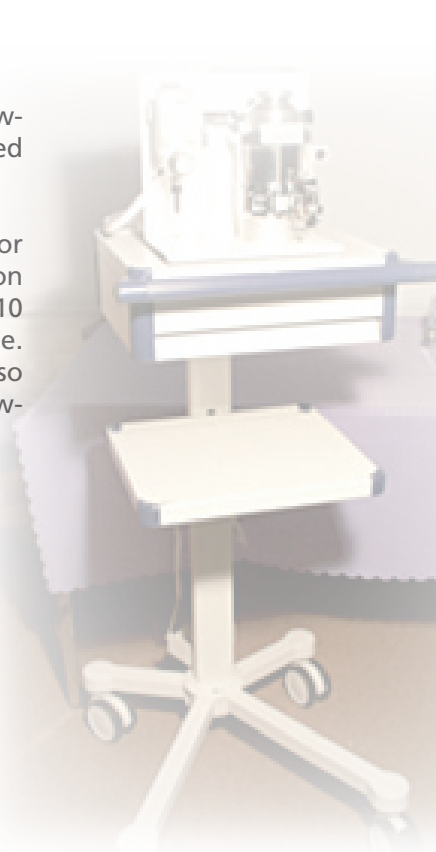


Anesthesia Machines

combi-vet® Digiflow The first digital Flowmeter

Our latest device is now available with a digital flow-meter. The oxygen flow can be precisely proportioned between 0.3-16 l/min.

A trolley is also available with drawer and holder for an oxygen tank in the back of the trolley. In addition we can offer an oxygen concentrator of 5 lpm or 10 lpm connected to the combi-vet® anesthesia machine. On request the combi-vet® anesthesia machine is also available with O₂ / N₂O / AIR / CO₂ / Carbogen flow-meter.



combi-vet® Overview

Especially designed for inhalation of anesthetic substances of domestic pets and other small animals, the combi-vet® is lightweight, compact and robust base-device. It can be used either on a rail mount system, on our anesthesia machine with storage cabinet or as a standalone unit on a table. As this device is transportable, it can be moved from one place to another in no time and can be immediately operational.

The white 4 mm thick aluminum rack has a special paint-coat to protect against stains from aggressive anesthetic liquids and solvents. In the back of the rack, two universal attachment blocks are mounted to connect the device easily to any rail systems of sizes 25 x 8 mm up to 35 x 10 mm.



By adding all the modular elements such as our CO₂ absorber, the anesthesia unit with storage cabinet and/or our Bain System to the combi-vet® base device, you have as well as a complete, simple but efficient anesthetic device. Each unit is individually available and can complete or replace existing or obsolete equipment.

Anesthesia machines Standard and Digital, O₂ & N₂O Flow

combi-vet[®] Base Anesthesia System

Size: W 260 mm x H 260 mm x D 180 mm
with TEC 3 Vaporizer new, 0.1-4.0 lpm
Flowmeter Parker-Porter and overflow valve for safety
security, Weight: approx. 11 kg
Order-Nr. CV 30-301-A

same unit but with mounting brackets for T-Rail System
Order-Nr. CV 30-301-H



Order-Nr. CV 30-301-A



Order-Nr. CV 30-301-H

combi-vet[®] Base Anesthesia System Digital Flowmeter 0.3 - 16 lpm O₂

Size: W 260 mm x H 260 mm x D 180 mm
with TEC 3 Vaporizer new, 0.1-4.0 lpm
Digital Flowmeter 0.3 - 16 lpm
and overflow valve for safety security,
Weight: approx. 11 kg
Order-Nr. CV 30-301-D

same unit but with mounting brackets for T-Rail System
Order-Nr. CV 30-301-D-H



Order-Nr. CV 30-301-D



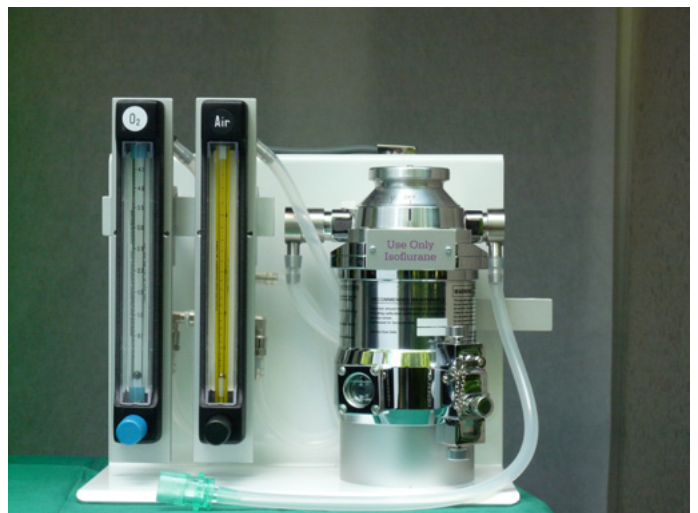
Order-Nr. CV 30-301-D-H

combi-vet[®] O₂/N₂O Version with Vapor or TEC 3 Vaporizer

Our O₂ und N₂O inhalation anesthesia apparatus is the ideal solution for research and veterinary use, where the application of N₂O nitrous-oxide is mandatory.

The standard machine will be delivered with a Dräger Vapor 19.3 Isoflurane or a TEC 3 Vaporizer. Other vaporizer-types are available on request. It can be used either on a T-rail mount system, on our anesthesia machine with storage cabinet or as a standalone unit on a table. As this device is transportable, it can be moved from one place to another in no time and can be immediately operational.

Size: W 380 mm x H 260 mm x D 180 mm
with TEC 3 Vaporizer or Vapor 19.3
0.1-4.0 lpm Flowmeter Parker-Porter
O₂ and Air, overflow valve for safety security,
Weight: approx. 13 kg
Order-Nr. CV 30-510
Order-Nr. CV 30-510 D-H

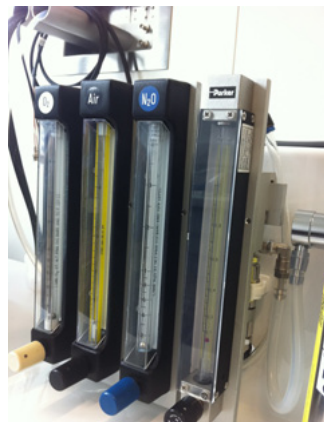


Anesthesia machines Multi Flow CO2 Absorber System

combi-vet® O2/N2O/AIR/CO2 Version with Vapor 19.3 Dräger Vaporizer

Our O2/N2O/AIR/CO2 inhalation anesthesia apparatus is the ideal solution for research and veterinary use, where the application of AIR as well the N2O nitrous-oxide and as well as the CO2 is a requirement

Size: W 420 mm x H 260 mm x D 180 mm
with TEC 3 Vaporizer newer Vapor 19.3 , 0.1-4.0 lpm
Flowmeter Parker-Porter O2 / N2O, AIR and CO2, over-
flow valve for safety security, Weight: approx. 20 kg
Order-Nr. CV 30-310 O2/AIR/N2O/CO2



combi-vet® Version with Vapor Isoflurane or Sevoflurane 2000 Dräger

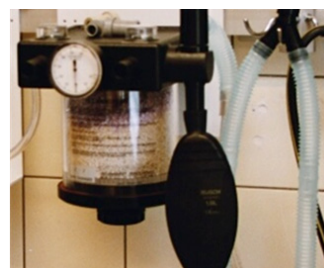
On request the combi-vet anesthesia machine is available with a Vapor 2000 Isoflurane or Sevoflurane other types of vaporizers are also available on request



combi-vet® CO2 Absorber System

The CO2 Absorber system is especially designed for inhalation anesthesia of animals over 15 kg weight. The CO2 Absorber can be mounted and detached easily from the rail system.

Order-Nr. CV 30-415 Absorber CO2



Cabinet drawer and Oxygen concentrator

combi-vet® Cabinet drawer

A trolley is also available with drawer and holder for an oxygen tank in the back of the trolley. In addition, a mounting bracket is also available to hold two Absorber charcoal filters.

Trolley standard without holder for oxygen tank with holder for 2 Aldasorber 1drawer uni-cart

Order-Nr. ITD OC.1785.902



Order-Nr. ITD OC.1785.902

Trolley standard with holder oxygen tank type 5 with holder for 2 Aldasorber, 1drawer uni-cart

Order-Nr. ITD OC.1786.902



Order-Nr. ITD OC.1786.902

Combi-vet® Oxygen concentrator 5 liter and 10 liter per minute

In addition, we have an oxygen concentrator of 5 lpm and 10 lpm available. It comes with a hose for connecting the anesthesia system with the oxygen concentrator

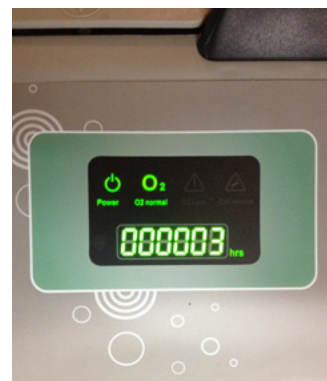
Oxygen concentrator Everflow 5 lpm 220 V European edition

Order-Nr. CV-81005 5 lpm



Oxygen concentrator 10 lpm 220 V European edition

Order-Nr. CV-81010 10 lpm



Anesthesia vaporizer & Vaporizer Service Center, Bottle adaptors

combi-vet® Anesthesia vaporizer

Rothacher Medical offers a full line of new and reconditioned precision flowrate compensated and temperature compensated vaporizers to complement our anesthesia systems.

Both new and reconditioned vaporizers are covered by our 2- year guarantee. Vaporizers are available in funnel fill or pin indexed fill systems. Reconditioned vaporizers are certified, cleaned and calibrated for operational accuracy. Vaporizers are available for Halothane, Isoflurane or Sevoflurane

Order-Nr.: please contact our sales department



TEC 5



TEC 4



TEC 3



Vapor 19.3

Vaporizer Service Center

We do calibrations, repairs and maintenance of vaporizers in our service center in Switzerland according to specifications of vaporizer manufacturers. We do also have loaner units available

Please contact our service department



Vaporizer Fill Device (Bottle adaptors)

Vaporizer fill devices come in two styles, anti-spill and pin index. They are color coded for the specific anesthetic: Red for Halothane, Purple for Isoflurane and Yellow for Sevoflurane.

The anti-spill devices do exactly what they name implies-they make filling the vaporizer easier with less loss of anesthetic agent due to spillage. Facility safety is enhanced as less spillage means less exposure by staff to anesthetic agent vapors. Pin Index fill devices are designed to work with pin indexed or keyed vaporizers. The pin index is a safety feature that prevents a vaporizer from being filled with the wrong anesthetic agent; or cross contaminated with another liquid. The fill device is required if you are using pin indexed vaporizers.

Order-Nr. PS-0950
Order-Nr. PS-0949
Order-Nr. PS-0951

Pin Index Isoflurane
Pin Index Halothane
Pin Index Sevoflurane

Order-Nr. PS-0960
Order-Nr. PS-0961

Anti Spill Isoflurane
Anti Spill Halothane

Order-Nr. PS-0962

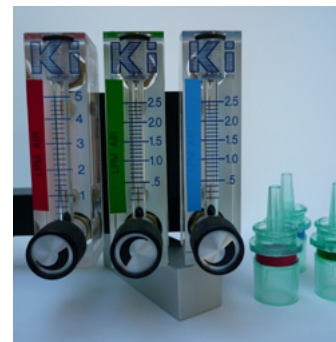
Anti Spill Sevoflurane



Multiplex Delivery System

MDS Multiplex Delivery System

The Multiplex Delivery System is available with 2, 3, 4, 5 and 6 Flowmeter configurations. The Multiplex Delivery System (MDS) allows an investigator to have up to six devices connected to one anesthesia system. One possible configuration would be an induction chamber and up to five non rebreathing systems operating simultaneously during a study.



Order-Nr. PS-30459 MDS with 6 Flowmeter and mounting bracket for rail system

Order-Nr. PS-30460 MDS with 5 Flowmeter and mounting bracket for rail system

Order-Nr. PS-30458 MDS with 4 Flowmeter and mounting bracket for rail system

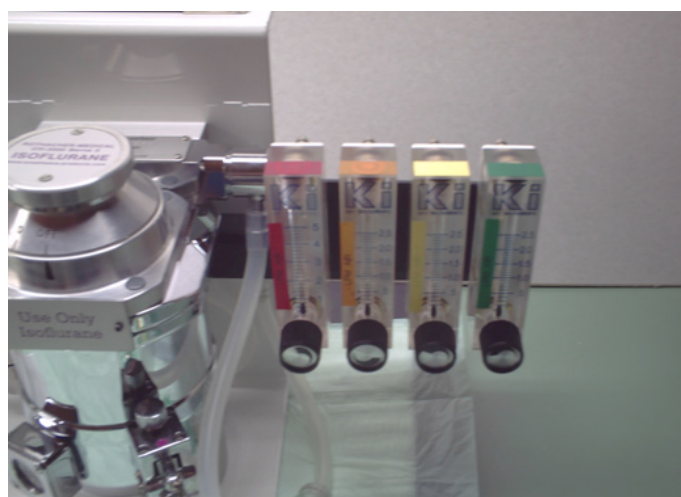
Order-Nr. PS-30457 MDS with 3 Flowmeter mounted on the combi-vet® machine

Order-Nr. PS-30456 MDS with 2 Flowmeter mounted on the combi-vet® machine

combi-vet® Anesthesia machine with MDS Multiplex Delivery System

The Multiplex Delivery System can be mounted with 2 up to 4 Flowmeter at the combi-vet anesthesia machine. Most configuration has 1 Flowmeter with 0.1 – 5 lpm and additional Flowmeters with 0.1 – 2,5 lpm scale. Below is a combi-vet unit with 4 Flowmeters.

Order-Nr. PS-30458 MDS with 4 Flowmeter



combi-vet® Anesthesia machine with MDS Multiplex Delivery System and humidifier system

The Multiplex Delivery System can be mounted with 2 up to 4 Flowmeter at the combi-vet anesthesia machine. Most configuration has 1 Flowmeter with 0.1 – 5 lpm and 1 up to 3 Flowmeter with 0.1 – 2.5 lpm scale.

Order-Nr. PS-30457 MDS
with 3 Flowmeter and 2 humidifier system



Dual Diverter Manifold and optional humidifier system

Dual and Tri-Diverter manifold

DUAL DIVERTER MANIFOLD

Shown installed, the Dual Diverter Manifold allows the user to operate 2 devices (i.e. an induction chamber and non-re-breathing system) from one anesthesia device system. It can be installed on any manufacturer's system using our Universal mounting block (Order-Nr. 0915)

The Dual Diverter Manifold comes complete with two color coded common outlets and 30 cm clear RNT tubing. Each stopcock is color coded to match common outlets. Includes mounting pipe and block for combi-vet anesthesia machine.



Order-Nr. PS-0529-01 Dual Diverter with manifold

Order-Nr. PS-0529-02 Dual Diverter Manifold with Manifold and Humidifier System

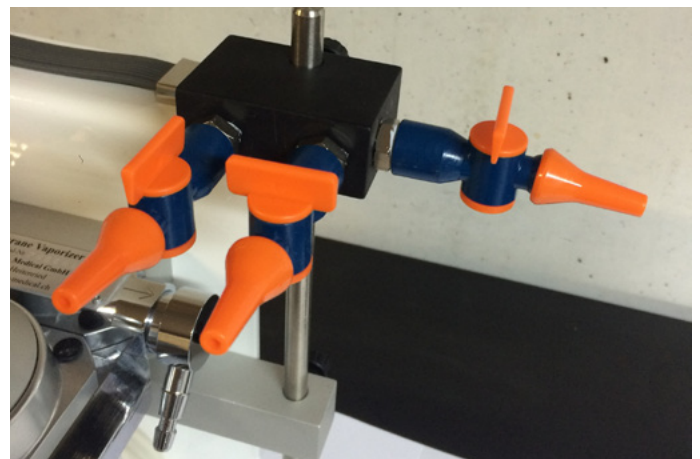


TRI DIVERTER MANIFOLD

The Tri-Diverter Manifold comes with three color coded common outlets and is used when three outlets are required. For example one outlet for the induction chamber and two for a mask system. Please note that with the Dual Diverter and Tri-Diverter the flow cannot be adjusted. (When you need to adjust the flows, you will need the Multi Delivery system).

Order-Nr. PS-0529-30
Tri Diverter Manifold with Manifold

Order-Nr. PS-0529-31
Tri Diverter Manifold with Manifold and Humidifier System



HUMIDIFIER SYSTEM

This humidifier allows investigators to conduct longer duration studies without the risk of dehydration of the subject's nasal mucosa and lungs. Sterile water is placed in the humidifier, which is connected in line with the anesthetic gas source. Humidification of the gases occurs at all commonly used flow rates it is recommended that the water in the humidifier must be changed after every use or every 6 hours. Comes with 3 extra humidifier nebulizers.



Face mask for rodents and mask stabilizer

Special mask for mice, rats, hamster, guinea-pig and reptiles

The diaphragms on these masks seal the mask around the face of the rodent and reduce the amount of anesthetic gases that may leak into the room. Facemask diaphragms are made from latex sheet and openings can be cut the diaphragm to accommodate rodents of different sizes.

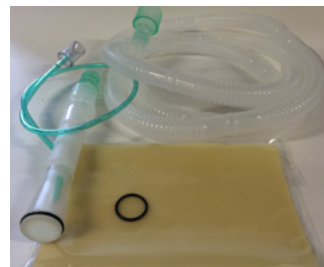
Mask only

- Order-Nr. PS-0525** for mice diameter 2,5 cm
Order Nr. PS-0305 for mice diameter 3,0 cm
Order-Nr. PS-0306 for rats diameter 4,5 cm
Order-Nr. PS-0307 for rats diameter 5,0 cm
Order-Nr. PS-0308 for rats diameter 5,5 cm



Complete set with replacement latex sheet and inlet/outlet adaptor for gas inlet and gas evacuation hose

- Order-Nr. PS-0525-A** for mice diameter 2,5 cm
Order Nr. PS-0305-A for mice diameter 3,0 cm
Order-Nr. PS-0306-A for rats diameter 4,5 cm
Order-Nr. PS-0307-A for rats diameter 5,0 cm
Order-Nr. PS-0308-A for rats diameter 5,5 cm



Mask stabilizer

mask stabilizers are made from stainless steel for easy sterilization, this weighted stabilizer keeps the none rebreathing system and face mask in place while working with rodents

- Order-Nr. PS-0322** Mask holder



Induction chambers for rodents low cost and in acrylic glass

Posi-Seal Induction chambers (Anesthesia box) for mice, rats and reptiles

For preparation of anesthesia procedures we offer two sizes of Induction chambers for mice, rats and reptiles. The Posi-Seal Mouse and Rat Induction Chambers feature positive locking latches and a silicone seal that makes these durable induction chambers leak proof when use.

Order-Nr. PS-0346 Induction chamber for mice
size 230 x 200 x 100 mm

Order-Nr. PS-0347 Induction chamber for rats
size 280 x 230 x 140 mm



Induction chambers made from acrylic glass and with fan system

A simple design with a snap-on/snap-off lid. Included is a metal frame support for easy cleaning. The induction chamber is made from premium material. The metal frame support is easy to remove and made from stainless steel material.

The fresh and waste anesthetic gas inlet and outlet adapters are easy to connect. The gas outlet adaptor can be connected to the EVAC tubing for F/AIR Filter or to any scavenge system.

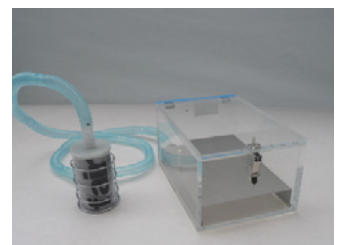
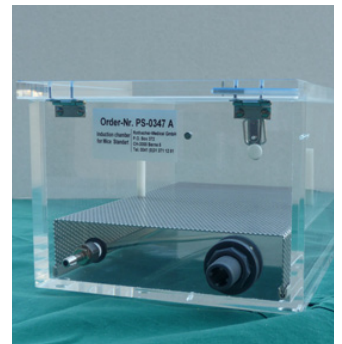
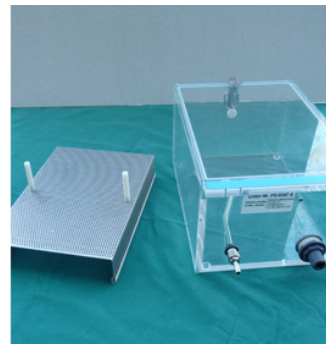
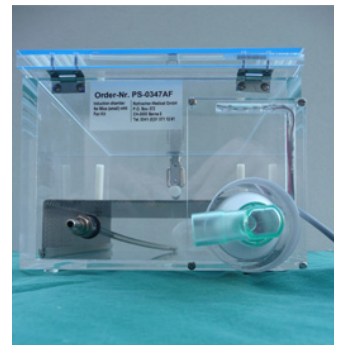
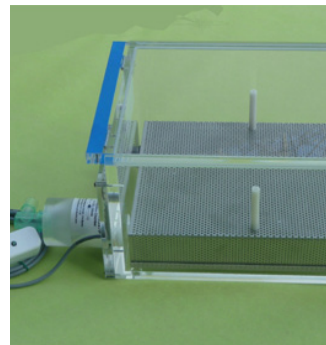
Optional the induction chamber is available with an integrated ventilator/fan connected to a 12V 1A 110-240 VAC power source. The fan will immediately scavenge the anesthesia gas with an on/off switch on the cable. This safety feature helps to reduce the amount of anesthetic gas which could be a hazard for the user.

Order-Nr. PS-0346-A Induction chamber for mice
size 300 x 200 x 150 mm

Order-Nr. PS-0346-AP Induction chamber for mice
with integrated fan and power
supply size 300 x 200 x 150 mm

Order-Nr. PS-0347-A Induction chamber for mice/
rats size 310 x 228 x 172 mm

Order-Nr. PS-0347-AP Induction chamber for mice/
rats with integrated fan and
power supply size
310 x 228 x 172 mm

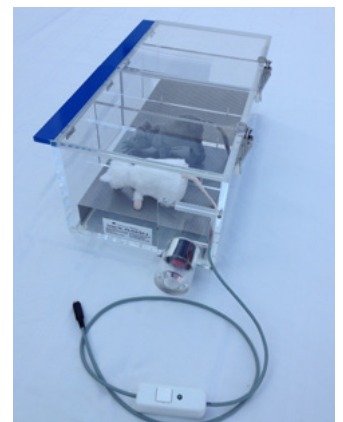
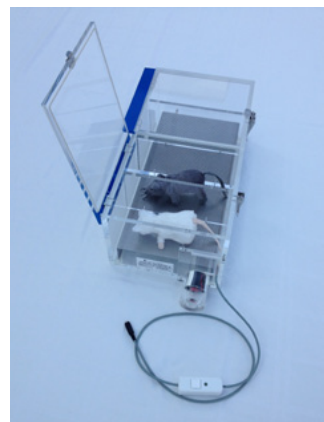
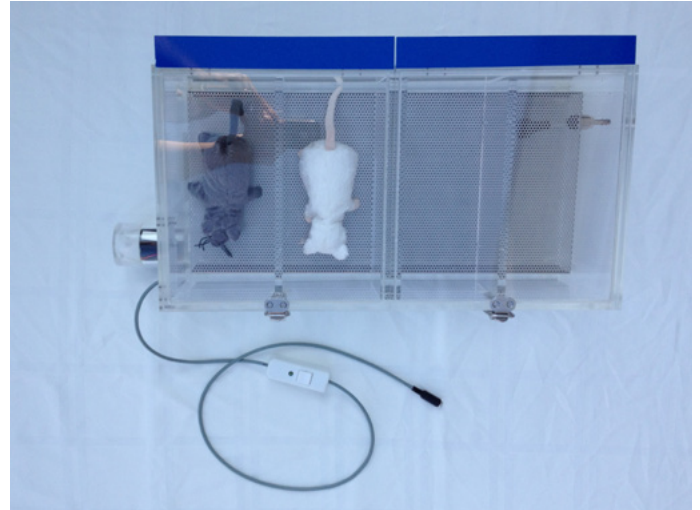


Special Induction chambers for rodents Imaging chambers

Special Induction chambers with 4 separators made from acrylic glass and with fan system

A special designed induction chamber with 4 separators for multi mice use. An integrated fan system is attached.

Order-Nr. PS-0348-AP Induction chamber for mice/ rats with integrated fan and power supply size 310 x 228 x 172 mm



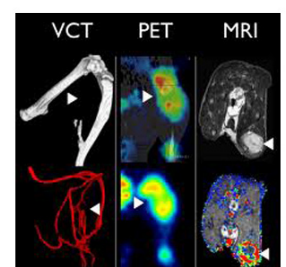
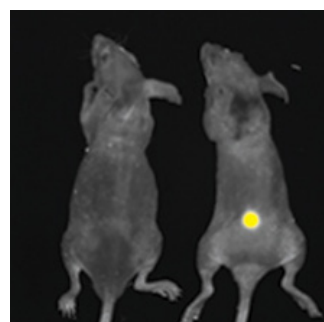
Imaging chamber

The chamber is designed to be used with most optical imaging systems. The body of the chamber is made from black acrylic.

The viewing port is manufactured from an optically clear, scratch resistant cell cast acrylic sheet. Light transmission is 98 % and the viewing port is field replaceable should it become damaged from use.

A silicone gasket positively seals the chamber against leaks and the single latch allows investigators to open and close of the chamber with one hand. Three dividers are provided with the chamber to allow imaging of up to four rodents at one time. The chamber comes equipped with two of our standard 15 mm i.d. X 19 mm o.d. induction chamber adapters or optionally with a single Coaxial Flow Induction Chamber Adapter.

Adapters can be installed on the rear or sides of the chamber per your specifications.



Activated Charcoal Canister Aldasorber 1400g and F/AIR Filter

Charcoal Canister

A solution to the handling of waste anesthetic gases when active or passive evacuation systems are not available or practical. These activated charcoal canisters will remove approximately 50 grams of halogenated anesthetic agents from the waste gas stream before having to be discarded. The canisters can be easily adapted to any anesthesia machine.

We have also the larger ALDASORBER available, which can hold 200g of halogenated anesthetic agents.

Please note that CO₂ gas cannot be discharged in any activated charcoal canister.



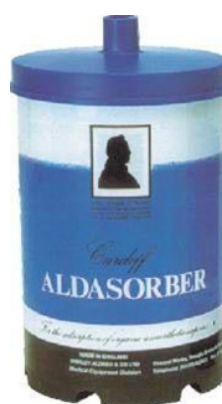
Aldasorber 1400g

Order-Nr. PS-0584

Aldasorber 1400g

Order-Nr. PS-0586

Holder for 2 Aldasorber
(metal frame)



F-/AIR Filter small 50g

These smaller filters are used for mask system

Order-Nr. PS-0581-00 F/AIR Filter 1-7 units

Order-Nr. PS-0581-01 F/AIR Filter 8 +

Order-Nr. PS-0582 Evac tubing for F/AIR Filter
or Aldasorber

Order-Nr. PS-0580 Holder for F/AIR Filter



Active Scavenger System ANAS and gas evacuation fan system

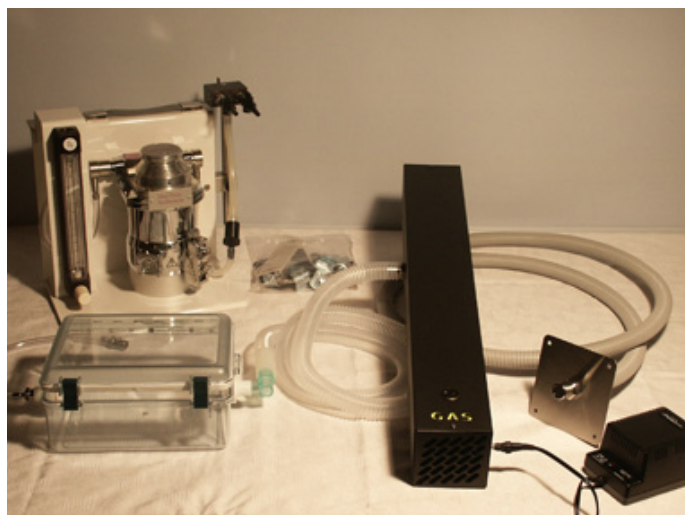
Active Scavenger System ANAS

Health and safety in all clinical areas is a priority. The ANAS active scavenge system is an efficient, low cost alternative to the most low effective charcoal canisters. The active scavenge unit is lightweight and can be easily mounted directly to a machine or on the wall. The system common in many vet. Cabinets and research facilities.

FEATURES

- low voltage operation 12V DC / 1A
- Contactless fan
- 24 month warranty
- capable of pushing waste gas up to 15 meter
- capable of drawing waste gas up to 3 meter
- recirculates air in surgical environment to create a safer work area
- includes stainless steel wall plate

Order-Nr. PS-0833 Active Scavenger System set



Gas evacuation fan system

The small table gas evacuation fan can be connected between a mask system and an Air Filter or to the outside hose. The set includes a Fan with on /off switch on cable without power supply.

Order-Nr. PS-0452 Gas evacuation fan system without power supply

Order-Nr. PS-0545 Power supply CE 110-220 V 1,7A EN60601/1



Gas evacuation fan system higher capacity

The larger table gas evacuation fan has a higher fan capacity and comes with an on /off switch on cable. Without power supply.

Order-Nr. PS-0454 Gas evacuation fan system without power supply

Order-Nr. PS-0545 Power supply CE 110-220 V 1,7A EN60601/1



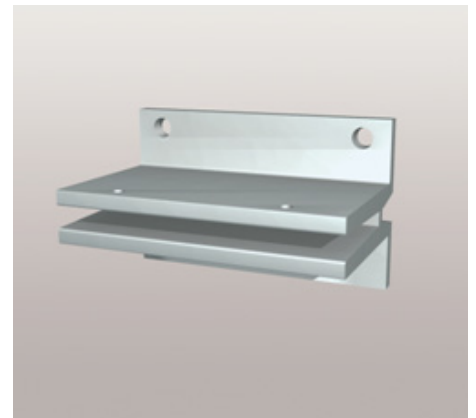
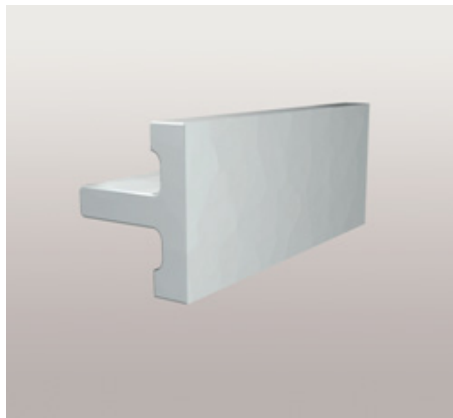
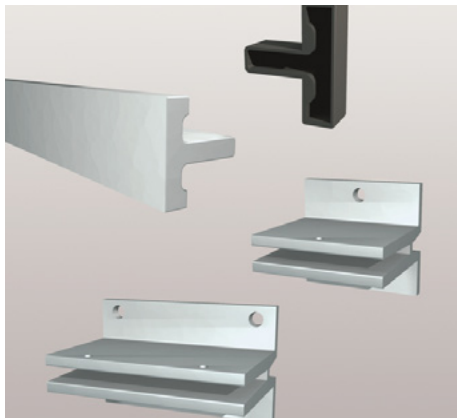
Wall Mount Program for combi-vet system and Regulator

Wall mount system



The T-Rail wall mount system is an alternative when space is a problem. Our combi-vet anesthesia system can be attached to the T-Rail system mounted at the wall. It comes with a set with 2 pieces of mounting brackets 50 mm, 2 pieces of profile rubber end parts and a standard T-Rail aluminum profile. Please advise the length of the T-Rail profile.

Order-Nr. CV 40-100 Set complete T-Rail system with 1 meter T-Rail, 2 brackets for wall mounting, 2 rubber end parts



Regulator 02 / N2O / AIR / CO2

A pressure regulator is necessary to reduce the pressure from a tank (cylinder) to connect any anesthesia system. Please contact your local gas supplier for a proper gas cylinder and a pressure regulator. The pressure should be reduced to approx. 2-3 bars to connect to any flowmeter. Please be aware, many countries have their own fittings and are not standardized in Europe.

Order-Nr. CV-20-421 Regulator with pressure manometer for N2O

Order-Nr. CV-20-621 Regulator with pressure manometer for O2

Order-Nr. CV-20-321 Regulator with pressure manometer for AIR

Order-Nr. CV-20-221 Regulator with pressure manometer for CO2

Order-Nr. Z9 19147 Hose for gas according length and gas type

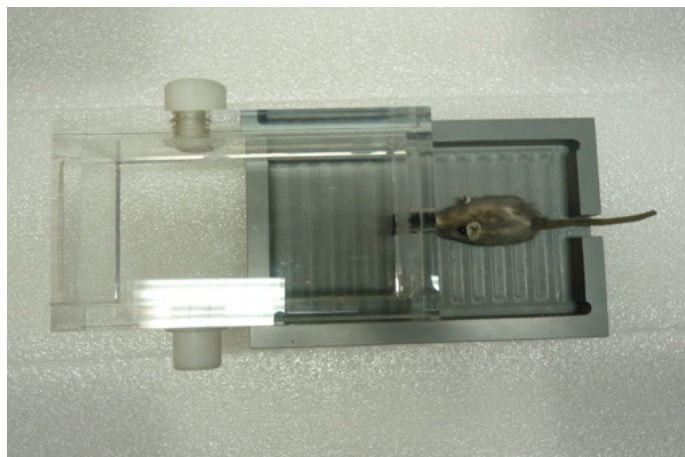
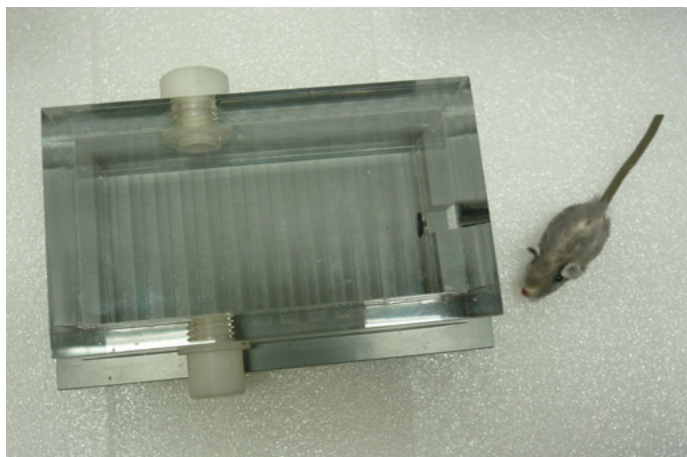
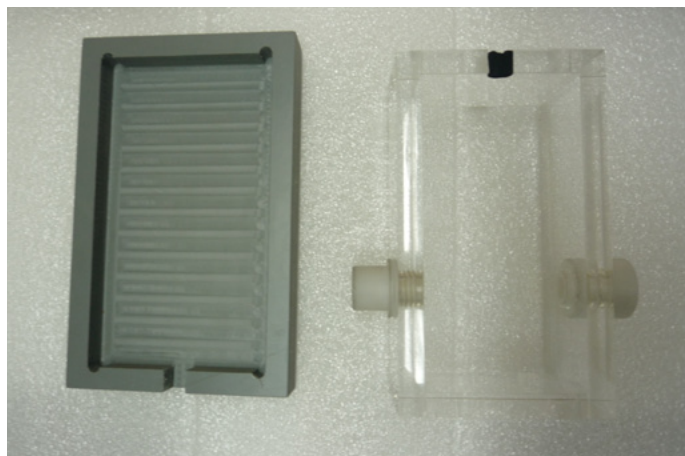
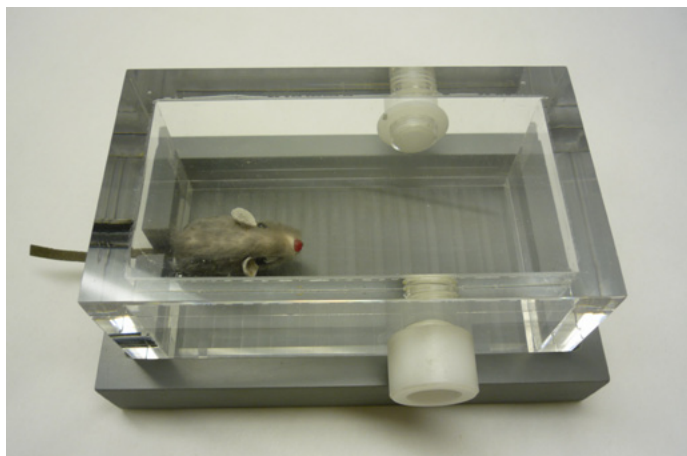


Order-Nr. Z9 19147

Induction chamber for tail vein injection

Special Induction chamber for tail vein injection for mice

The University of Freiburg im Breisgau, Germany Dr. med. vet. Sebastian Gehrig and in co-operation with the Society for the Promotion of Research at the Albert-Ludwigs University and the University of Freiburg, developed in 2011 a special induction chamber for tail vein injection for mice.



Introduction

After the tail is led through the intended opening, a contra pressure to the foamed plastic will help to establish a vein rope. This means, that the injection procedure will be clearly simplified. After that, it's possible to handle the tail vein without any further problem. Usual procedures, such as warming-up the tail are not necessary anymore.

Advantage of the Induction chamber

By the low volume size of the induction chamber the anesthesia enters fast and stressless. Another advantage is certainly the accuracy and simplicity of the injection in the tail vein. The injection with anesthesia in mice provides furthermore identical test terms and contributes comparable and reproduceable results. The number of the unsuccessful attempts will lower considerably. Also the time where radioactive material must be handled for the user. Another excellent advantage is the time reduction for these standard procedures.

Sizes of the Induction chambers

Body part grey: 100 x 160 x 25 mm

Chamber in acrylic material 60 x 120 x 50 mm

Size chamber inside 80 x 140 x 40 mm

The Induction chamber is made from a very special PMMA

acrylic material (1 cm thick) and has a determining advantage of the additional ray protection for the user of - and - radiation (no y- radiation)

Order-Nr. PS-0351-SIK

Tail vein induction chamber complete with anesthesia hose inlet and blue evacuation hose for connection to a F/AIR Filter or evacuation fan system

Accessories

Delta-phase® Iso-therm pad

The Deltaphase® Isothermal Pad is a new approach to body temperature stabilization. It acts as a source of heat, but cannot overheat. Its constant temperature is based on a thermodynamic principle and needs no electricity or wires, no thermostat or feedback controller.

It cannot generate electrical signals or cause interference. It cannot trigger an explosion. It can maintain a small animal at near normal and constant temperature for several hours. The Deltaphase® Isothermal Pad is based on the thermodynamic principle that a heat releasing phase change is isothermal, that is: that it occurs at constant temperature. A unique chemical solution is contained within a durable pouch. At room temperature, this solution is in solid form. When heated to 39° the solution becomes fluid. In this state, the pad is activated and ready for use.

This heat flow balances heat losses and maintains animal body temperature near 39° for periods up to several hours.

Order-Nr. PS-0811 pad size 20 cm x 20 cm x 0.65 cm



Table stand for humidifier system or stand for Multi Delivery Flowmeter

This handy table stand is perfect to mount a humidifier system or flowmeters. You can use this table stand for other accessories.

Order-Nr. PS-0810 Table stand special



Surgery tables, heating- and gas evacuation systems for mice and

Overview

Especially designed for research field, we have different surgery tables, Heating- and anesthesia gas evacuation systems available. With these different accessories you will find a perfect solution to perform your surgeries. These systems can be added to existing or to our combi-vet anesthesia system.

combi-vet® Surgery table standard

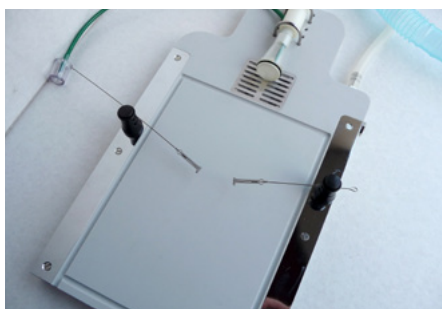
For research, we have a standard surgery table with side holder for elastic rubbers or with a left or right side metal frame for FST clamps and holders. Please consult the FST General Catalogue The table comes with a mask system for mice or small rats. Size 190 x 270 mm, working space 190 x 140 mm, 20 mm thick, easy washable as well as autoclavable. An optional fan with power supply can be connected to the down-draft anesthetic gas.



Order-Nr. PS-0451	Surgery table standard
Order-Nr. PS-0451-FST	Surgery table FST
Order-Nr. PS-0452	Fan with power supply 110-240 V/1,5 A DC



Order-Nr. PS-0451



Order-Nr. PS-0451-FST

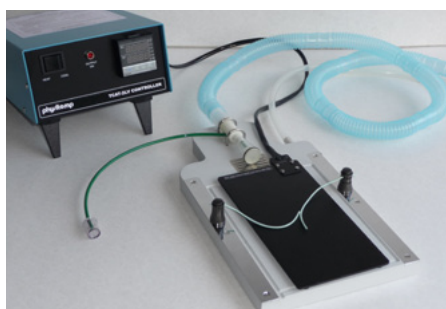


Order-Nr. PS-0452

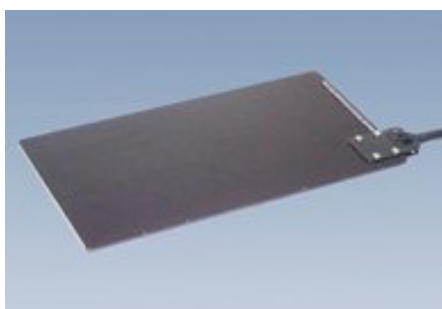
combi-vet® Surgery table standard with Physitemp temperature controller unit

The heating plate is controlled by a Physitemp temperature controller unit and a rectal probe is controlling the body temperature on mice or rats. The size of the heating plate fits our standard surgery table PS-0451 or PS-0451-FST

Order-Nr. TCAT-2LV	Temperature controller T-CAT
Order-Nr. HP-1M	Heating plate for T-CAT System
Order-Nr. RET-3 ISO	Isolated Rectal Probe for mice



Order-Nr. TCAT-2LV



Order-Nr. HP-1M

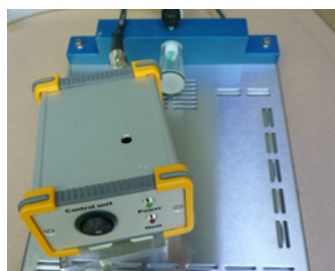


Order-Nr. RET-3 ISO

rats for veterinary use

combi-vet® Surgery table with metallic frame and Safecontrol
«Economy» Temperature controller for mice

3 features - all in one Surgery table, Heating system and Gas evacuation



Another surgery table is our new developed set. The modular system can be step by step adjusted to your needs. It is available with a Temperature Controller and a incorporated heating pad build in under the metallic frame. It will deliver a constant temperature between 36 C - 38 C. The size is 190 x 230 mm and the working space is 100 x 100 mm, 20 mm thick. The stainless steel plate is 1,8 mm thick. A mask system for mice & small rats is mounted on a metal holder to the table. In addition, the anesthetic gas will downdraft from each side and under the mask. The exposure for users to anesthetic gas will be reduced to a very low level.

Module 1 Surgery table

Order-Nr. PS-0703 SM

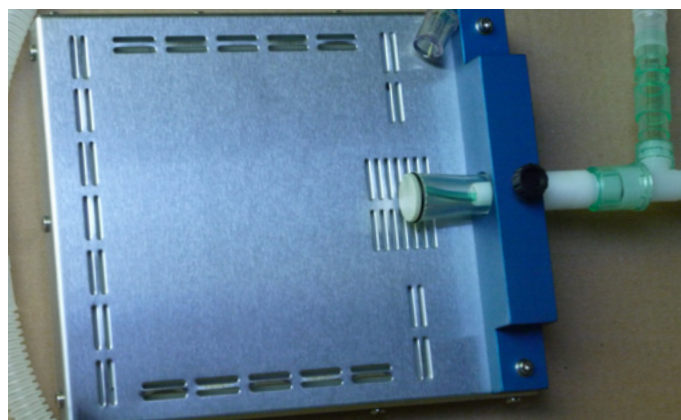
Surgery table small for mice without heating plate

Order-Nr. PS-0703 HP

Surgery table small for mice with heating plate

Order-Nr. PS-0704

Metal holder mounted on plate with Mask for mice or small rats. Mask diameter is 20 mm. It will fit PS-0703 SM and HP version.



Module 2 Gas evacuation fan system

Order-Nr. PS-0452 Set

Fan with on/off switch on cable, without power supply



Module 3 Temperature controller

Order-Nr. PS-070-A

Temperature Controller unit with Power Supply 110-220 V 1,7 A EN 60601/1

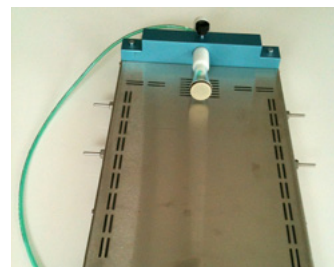
Order-Nr. PS-0545

Power supply only 110-240 V/1,7A EN60601/1



combi-vet® Surgery table with metallic frame and «Safecontrol» Temperature controller for mice & rats and reptiles

3 features - all in one Surgery table, Heating system and Gas evacuation



This surgery table is available as a modular system. Compared to the Safecontrol «economy» model for mice the system has a very accurate Temperature Controller, a larger surgery table and can be used for mice & rats or reptiles. The Safecontrol unit maintain and heat the surface between 35 C - 45 C very accurate. It can be adjusted very easily and a rectal probe is not necessary. The size of the surgery table is 240 x 190 mm with a working space of 170 x 110 mm. 18 mm thick. Enough space to fit bigger rodents. The stainless steel plate is 1,8 mm thick and easy to clean. A mask system for mice and rats is mounted on a metal holder to the surgery table. In addition, the anesthetic gas will downdraft from each side and under the mask. The exposure for users to anesthetic gas will be reduced to a very low level. The system makes the working area more safer for any user.

Module 1 Surgery table

Order-Nr. PS-0703 LG

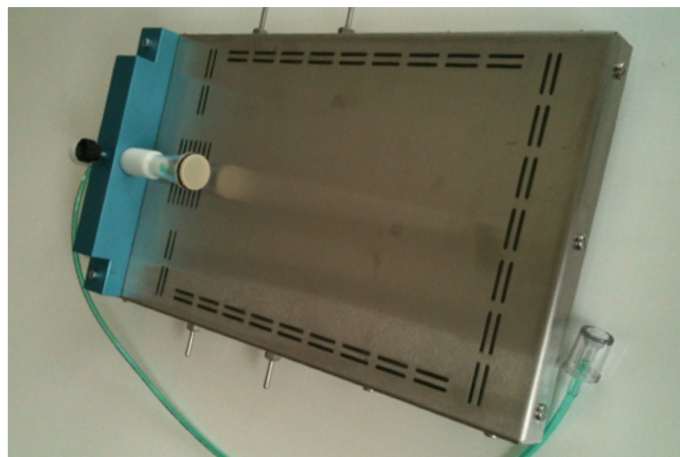
Surgery table large without heating plate

Order-Nr. PS-0703 LG HP

Surgery table large with heating plate

Order-Nr. PS-0704 LG

Metal holder mounted on plate with Mask for mice or rats Mask, diameter is 20 mm or 30 mm exchangeable, It will fit PS-0703 LG and HP version



Module 2 Gas evacuation fan system

Order-Nr. PS-0452 Set

Fan without power supply with switch an/off on cable (Power supply source from Temperature Controller)



Module 3 Temperature controller

Order-Nr. PS-071-A

Temperature Controller unit programmable with Power Supply 110-220 V 24 V / DC 2,5 A with 12 V DC Outlet

Order-Nr. PS-0545

Power supply only 110-240 V/ 24 V DC 2,5 A



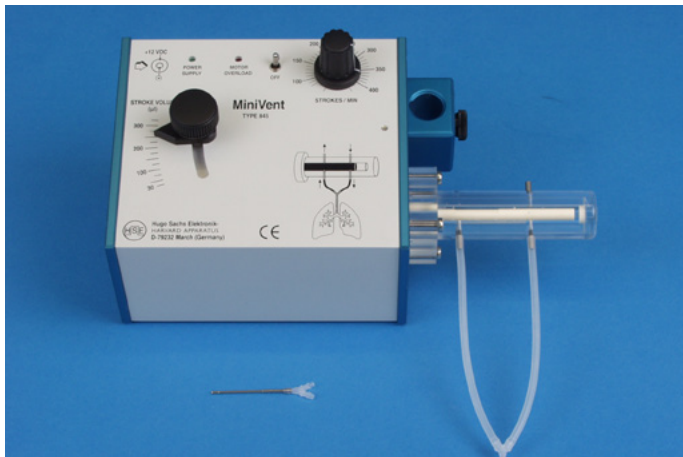
Mouse ventilator

Small animal Ventilator Minivent Harvard 845

The newly developed MiniVent Model 845 ventilator is a quiet, compact and lightweight ventilator designed specifically for mice. It is designed specifically for mice but can be used for any animal (e.g. birds and perinatal rats) which requires tidal volumes in tube range of 30 to 350 μ l and respiratory rates of 80 to 400 breaths per minute. The unit is compact and lightweight, just 1 kg (2.2 lbs)! The newly developed MiniVent Model 845 ventilator is a quiet, compact and lightweight ventilator designed specifically for mice. It is designed specifically for mice but can be used for any animal (e.g. birds and perinatal rats) which requires tidal volumes in tube range of 30 to 350 μ l and respiratory rates of 80 to 400 breaths per minute. The unit is compact and lightweight, just 1 kg (2.2 lbs)!

New Look Ventilator, featuring:

- Ideal ventilator for mice
- Stroke volume range from 30 to 350 μ l
- Ventilation rate from 60 to 400 strokes/minute
- Simple adjustment of stroke volume while running
- Valve less piston pump, no valves to clog
- Very small instrument / circuit dead space volume
- Compact construction, easy to install close to animal



Ventilator for mice & rats Ugo Basile 7025

General

The 7025 Rodent Ventilator is a volume-controlled mechanical ventilator (according to Starling's ventilator method), designed for use with rats, guinea pigs, mice and small birds.

The 7025 drive consists of a variable speed geared motor linked by a novel variable stroke mechanism to easily interchangeable cylinder/piston assemblies.

In particular, the 7025 can be equipped with 5, 10 or 30ml cylinder/piston assembly.

It's precisely regulated geared-motor speed provides the most accurate and reliable stroke rate control of any respirator available.

The operation of the 7025 may be "paused" by an external TTL logic signal.

The picture features a Rodent Ventilator 7025, together with the 6025 for Cat/Rabbit.



Mouse ventilator Ugo Basile 28025

Ventilator for mouse Ugo Basile 28025

General

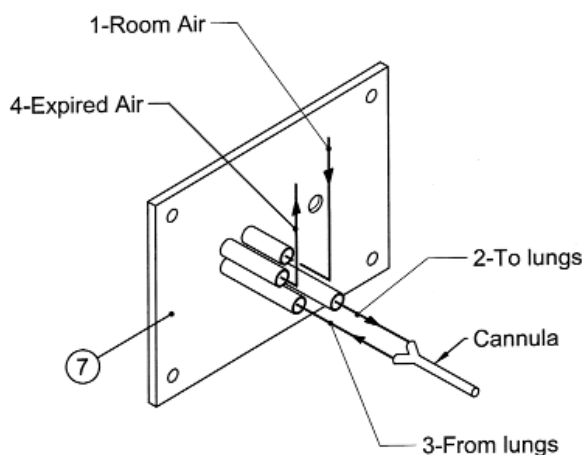
This new Respirator, which completes the well known Ugo Basile line of Ventilators, features:-

- The tidal volume, in the range 0.1-1 ml (or 0.05-0.5 with the smaller piston installed), can be selected via its knob either while the pump is running or at a standstill. The stroke volume scale is ample, provided with precise engraved marks.
- The rate, selected by a knob, is indicated by a 3-digit solid state display, in the range 60-300 strokes per minute.
- Suitable channels and ports provide the switching of the air flow, with practically no dead space.
- A unique variable stroke linkage mechanism operates the piston.

The reciprocating motion is adjusted and transmitted to the piston by rods and articulated joints only, which leads to minimal wear, no backlash, silent operation and exact stroke reproducibility.

The instrument is compact and light, cm 20 x 13 x 18.5 and 2.5 Kg, and it is self-contained: in other words, it embodies its power supply, which feeds the geared motor, its feedback controller and the rate display.

The Connection Square



As illustrated in the drawing above and pictured below, a connection square of four ports include:

1. intake of air or other non-explosive gas mixture
2. delivery of air to the animal lungs
3. return air from animal
4. exhaust, for sampling, partial recycling, testing positive expiration pressure, etc.

So closely packed, that the connection tubes are cut in different lengths, to ease the insertion of the tubing.

Please contact us for more information



Checklist Evaluation for anesthesia system for research

We understand there are many anesthesia equipment options available. Please use this checklist for choosing the right and best system for your needs. Please contact us for any question you may have and we will be glad to quote you the right system.

Which Anesthesia System are you interested in?

- ☐ Anesthesia machine on table ☐ Wall Mount ☐ on trolley



What species do you need to anesthetize?

- ☐ Rats Mice ☐ Rabbits, guinea pigs ☐ Cats ☐ Dogs ☐ Swine, sheep, horses

How long are your typical procedures? _____

What type of anesthetic gas do you use? ☐ Isoflurane ☐ Sevoflurane ☐ Halothane ☐ Desflurane

What type of gas do you use? ☐ Oxygen O2 ☐ AIR ☐ N2O ☐ CO2 ☐ N2O ☐ other

What type of gas supply do you want? ☐ Cylinder ☐ in-house installation ☐ Oxygen concentrator

What station will you be using with the anesthesia machine?

- ☐ Induction chamber low cost
☐ Induction chamber with fan system
☐ Mask system (Nose cone)
☐ 2-5 Mask system (Multi Nose cone system connected with one anesthesia machine)
☐ Surgery table standard
☐ Surgery table with heating system
☐ Surgery table with heating- and gas evacuation system
☐ Ventilator
☐ Imaging Device (Manufacturer) _____

What type of waste anesthesia gas management do you have or you are planning for?

- ☐ Active (in house vacuum or AGFS system)
☐ Active snorkel
☐ hood ☐ non-recirculating ☐ circulating
☐ passive open ventilation hose to the outside
☐ Activated charcoal canisters (F/AIR or Aldasorber 1400 g)
☐ We don't know

Do you need any anesthetic monitoring equipment? _____

Additional comments or question: _____
