

Оборудование для анестезии

Описание

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: hsw@nt-rt.ru || сайт: <https://harvardapparatus.nt-rt.ru/>

Canine Anesthesia Masks

Canine masks include 15 and 22 mm fittings and straps

Diaphragm diameters:

- Small Canine : int = 2.8 cm (1.10") ext = 8.8 cm (3.46")
- Large Canine : int = 5.0 cm (1.97") ext = 13.2 cm (5.2")

Item No.	Description
75-2036	Canine Anesthesia Mask, Small, ID 2.8 cm (1.10 in), OD 8.8 cm (3.46 in)
75-2037	Canine Anesthesia Mask, Large, ID 5.0 cm (1.97 in), OD 13.2 cm (5.2 in)



DETAILS

Canine masks include 15 and 22 mm fittings and straps

Diaphragm diameters:

- Small Canine : int = 2.8 cm (1.10") ext = 8.8 cm (3.46")
 - Large Canine : int = 5.0 cm (1.97") ext = 13.2 cm (5.2")
-

HSE Single Arm Anesthesia Masks

These Anesthesia masks are optimally designed for use with mouse and rat. Options available in either the , single arm mask, , or .

- Secure positioning of the mask using either tape in the standard version or a magnetic in the magnetic version
- Coaxial design for secure supply and scavenging of anesthetic gas
- Optimize for mouse or rat
- Easily interfaces with the or canisters
- Suture included to secure the animal's head around incisors

Item No.	Description
73-4858	Single Arm Anesthesia Mask, Mouse
73-4859	Single Arm Anesthesia Mask, Rat
73-4862	Single Arm Anesthesia Mask, Magnetic, Mouse
73-4863	Single Arm Anesthesia Mask, Magnetic, Rat



DETAILS

These Anesthesia masks are optimally designed for use with mouse and rat. Options available in either the , single arm mask, , or .

- Secure positioning of the mask using either tape in the standard version or a magnetic in the magnetic version
 - Coaxial design for secure supply and scavenging of anesthetic gas
 - Optimize for mouse or rat
 - Easily interfaces with the or canisters
 - Suture included to secure the animal's head around incisors
-

Tec3 Cagemount Vaporizers

Cagemount Vaporizers calibrated specifically for the specified anesthetic drug (isoflurane, halothane or sevoflurane) using a laser refractometer.

- Temperature, flow, and duration of use compensation.
- Safety lock to help prevent accidental turn-on of dial.
- Unique color-coded parts relevant to drug bottle color to prevent errors when administering the anaesthetic agent.
- A one piece sump for added strength.
- Compact wick system for increased drug capacity.
- Manufactured in lightweight aluminum.

Item No.	Description
75-0960	Vaporizer Halothane, Screw Fill, Cagemount
75-0961	Vaporizer Halothane, Key Fill, Cagemount
75-2053	Adapter TEC3 Cagemount Vaporizer to Selectatec Mount
34-1461	90° Vaporizer End Cap, Female
34-1462	90° Vaporizer End Cap, Male



DETAILS

Cagemount Vaporizers calibrated specifically for the specified anesthetic drug (isoflurane, halothane or sevoflurane) using a laser refractometer.

Features

- Temperature, flow, and duration of use compensation.
- Safety lock to help prevent accidental turn-on of dial.
- Unique color-coded parts relevant to drug bottle color to prevent errors when administering the anaesthetic agent.
- A one piece sump for added strength.
- Compact wick system for increased drug capacity.
- Manufactured in lightweight aluminum.

Normal working range

- Fresh gas flow: 200 cc to 15 LPM period
- Ambient temperature: 18°C to 35°C

Resistance to gas flow

- 5 cmH₂O at “OFF” setting at 5 LPM oxygen.
- 21 to 29 cmH₂O when delivering vapor in 5 LPM oxygen at 21°C

Specification

- Calibrated at 22°C.
- Calibration range 0.5% through to 5% v.v in 0.5% increments.
- Fluctuations in temperature, flow rate, and duration of use is automatically compensated for during use.
- When used with the I.P.P.V. the variation in outputs is negligible.

Liquid Capacity

- Amount of anaesthetic drug to fully charge the vaporiser: 150 ml
- Amount retained by the wick system: 60 ml

Weight & Dimensions

- Weight = 4 kg
 - Height = 185 mm
 - Depth = 140 mm
 - Width = 135 mm
-

Anesthesia Mask Kit

Anesthesia Mask Kit with feline and canine masks of various sizes.

The Anesthesia Mask Kit includes:

- 1 small feline (size 0)
- 1 medium feline (size 1)
- 1 large feline (size 2)
- 1 small canine (size 3)
- 1 large canine (size 5)

Item No.	Description
75-2032	Anesthesia Mask Kit (5 masks)



DETAILS

The Anesthesia Mask Kit includes:

- 1 small feline (size 0)
- 1 medium feline (size 1)
- 1 large feline (size 2)
- 1 small canine (size 3)
- 1 large canine (size 5)

Diaphragm diameters:

- Small Feline : int = 2.1 cm (0.78") ext = 4.7 cm (1.85")
 - Medium Feline : int = 3.2 cm (1.26") ext = 5.5 cm (2.17")
 - Large Feline : int = 4.2 cm (1.65") ext = 6.0 cm (2.36")
 - Small Canine : int = 2.8 cm (1.10") ext = 8.8 cm (3.46")
 - Large Canine : int = 5.0 cm (1.97") ext = 13.2 cm (5.2")
-

Bain Circuit Adapter

This Bain circuit adapter is mostly used with animals weighing 5 kg or less because of its lower breathing resistance. This gives you better control during surgery. The breathing bag is always inflated; the patient can be ventilated immediately in case of breathing difficulties.

- Includes momentary pop-up valve, 1 L bag, Bain circuit and press gauge.

Item No.

Description

75-2028

Bain Circuit Adapter

75-2047

Universal Bracket to mount Interface for Active Scavenger (75-2046) or Bain Circuit Adapter (75-2028) on mobile anesthesia machine



DETAILS

This Bain circuit adapter is mostly used with animals weighting 5 kg or less because of its lower breathing resistance. There are no check valves or carbon dioxide absorbent granules in the circuit which would increase the resistance.

A Bain type open circuit on an anesthesia machine gives you better control during surgery. The breathing bag is always inflated; the patient can be ventilated immediately in case of breathing difficulties.

- Includes momentary pop-up valve, 1 L bag, Bain circuit and press gauge.

Compared to other open circuits, such as the Jackson Rees and the Ayres T Piece, our Bain is equipped with a pressure gauge that gives you the ability to check the animal's lung pressure. The Bain adapter is equipped with a momentary valve to avoid leaving the valve in a closed position, which could cause pulmonary trauma to the animal.

Bain Circuits for Rodents

Bain Circuit for Rodents

- Unique circuit designed specifically for rodent anesthesia
- Designed to eliminate rebreathing CO2
- Will work with any non-rebreathing anesthesia machine

Item No.	Description
75-2031	Rodent Mask for Bain Circuit (No Diaphragm)
75-2038	Bain Circuit, White, 60 in, Mask Not Included
75-2039	Rodent Bain Circuit, White, 60 in, with Rodent Mask



DETAILS

Bain Circuit for Rodents

- Unique circuit designed specifically for rodent anesthesia
 - Designed to eliminate rebreathing CO₂
 - Will work with any non-rebreathing anesthesia machine
-

Handheld Oxygen Sensor

This device measures the oxygen concentration in gas mixtures and air as a percentage of a mixture.

Item No.	Description
73-4960	Handheld Oxygen Sensor



DETAILS

This device is used to measure oxygen concentration as a percentage (%) if gas mixtures are used together with isoflurane or sevoflurane anesthesia. It gives the researcher the O₂ concentration of any gas mixture.

Two or three gases might be used in gas anesthesia, mostly O₂ and air, and sometimes N₂O is also added. The gas mixture is made by using three gas flowmeters. Hyperoxic and hypoxic gas mixtures can be created.

The device can be easily built into the tubing between the gas flowmeters and the vaporizer. It also can be used without the vaporizer when hyperoxic or hypoxic gases are mixed and the amount of O₂ should be displayed.

SPECIFICATIONS

Specifications	73-4960
O ₂ Measurement Range	0.0 to 100.0%
Accuracy, calibrated device at nominal temperature	±0.1% O ₂ ± 1 Digit
Sensor-Linearity	<2 Vol% +/- 0.1% <25 Vol% +/- 0.5% <100 Vol% +/- 1.0%
Sensor connection	0.7 m cable with jack plug (firmly connected to the device)
Sensor	Electrochemical oxygen partial pressure sensor in the protective housing
Response time	90% in <10 s, depending on temperature
Lifespan	12 months guaranteed (if used properly at ambient pressure)
Operating pressure	0.5 to 2.0 bar abs. (with one-sided loading: max. 0.25 bar over/under pressure)
Measuring frequency	1 measurement per second
Display	13 mm high, 3½-digit LCD display
Controls	3 buttons for ON / OFF, min / max value query, calibration
Min/max function	Min and max values are saved
Working temperature	0 to 45°C (sensor) -20 to 50°C (device)
Relative humidity	0 to 95% RH (no condensing)

Storage temperature	-15 to 60°C (sensor) -20 to 70°C (device)
Power supply	9 V battery type JEC 6F22 (included)
Power consumption	0.14 mA (standard zinc-carbon battery >2100 hours)
Battery change indicator	"BAT": automatically when the battery is used up Auto-off function: if activated, the device switches off automatically when it is not operated for a long time (selectable 1 to 120 min)
Housing	Break-proof ABS housing, front side IP65
Dimensions (H x W x D)	Approx. 106 x 67 x 30 mm , without sensor cable
Weight	Approx.185 g including battery and sensor

Bain Tube Evacuation Fitting

Adapter between Bain Circuit and 22 mm Evacuation tubing

Item No.	Description
75-2042	Adapter for Bain Circuit and Evacuation Tubing



DETAILS

Adapter between Bain Circuit and 22 mm Evacuation tubing

"Y" Patient Circuit

Y patient circuit, 40 in

Item No.	Description
75-2040	Y-Patient Circuit, 40 in



DETAILS

Y patient circuit, 40 in

Rodent Mask for Bain Circuit

Rodent mask for Bain circuit (no diaphragm)

Item No.

Description

75-2031

Rodent Mask for Bain Circuit (No Diaphragm)



DETAILS

Rodent mask for Bain circuit (no diaphragm)

Rodent mask diameter, ext = 38 mm (1.5")

Active Scavenger Interface

This active scavenger interface is positioned between the anesthesia system's evacuation and the in-house central vacuum system. It allows the user to control the vacuum strength, avoiding large variation in air flow that can cause depletion of the breathing bag or increased resistance.

Item No.	Description
75-2046	Interface for Active Scavenger
75-2047	Universal Bracket to mount Interface for Active Scavenger (75-2046) or Bain Circuit Adapter (75-2028) on mobile anesthesia machine



DETAILS

This active scavenger interface is positioned between the anesthesia system's evacuation and the in-house central vacuum system. It allows the user to control the vacuum strength, avoiding large variation in air flow that can cause depletion of the breathing bag or increased resistance.

- No evacuation bag
 - Less maintenance
 - Fits on all models of veterinary anesthesia machines
 - 5-year warranty
 - No replacement accessory needed
 - Housing replaces the reservoir bag so you don't need to change your evacuation bags anymore.
-

Mobile Non-Rebreathing Anesthesia Machine

The Mobile Non-Rebreathing Anesthesia Machine has a single oxygen flowmeter mounted on a 5-wheel spider base for increased stability and portability.

- Non-rebreathing system for animals under 10 lbs
- Selectatec vaporizer mounting system
- Vaporizer not included
- Recessed flush valve
- Top Shelf, 23 cm x 18 cm (9 in x 7 in)

This unit has 3 parallel independent quick-connect gas outputs making it very versatile. This allows halogenated gas to be distributed at the same concentration to one, two or three anesthetic devices, such as a mask, induction box, etc.

Up to 2 additional flowmeters can be added. Additional flowmeters need to be ordered with the anesthesia machine because they are factory installed.

This machine includes a 8-foot O₂ hose (USA), pre-installed 0.1 to 4 LPM oxygen flowmeter and 3 meters of fresh gas tubing.

Item No.	Description
75-2001	Mobile Non-Rebreathing Anesthesia Machine
75-2005	Additional Pre-Installed Flowmeter N2O Option, 0.1 to 4.0 LPM. Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2006	Additional Pre-Installed Flowmeter Air Option, 0.1 to 4.0 LPM. Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2007	Additional Pre-Installed Flowmeter CO2 Option, 0.1 to 4.0 LPM Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY

Item No.**Description**

75-2008

Additional Pre-Installed Flowmeter O2 Option, Low Volume 0.1 to 1.0 LPM Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY

**DETAILS**

The Mobile Non-Rebreathing Anesthesia Machine has a single oxygen flowmeter mounted on a 5-wheel spider base for increased stability and portability.

- Non-rebreathing system for animals under 10 lbs
- Selectatec vaporizer mounting system
- Vaporizer not included
- Recessed flush valve
- Top Shelf, 23 cm x 18 cm (9 in x 7 in)

This unit has 3 parallel independent quick-connect gas outputs making it very versatile. This allows halogenated gas to be distributed at the same concentration to one, two or three anesthetic devices, such as a mask, induction box, etc.

Up to 2 additional flowmeters can be added. Additional flowmeters need to be ordered with the anesthesia machine because they are factory installed.

This machine includes a 8-foot O₂ hose (USA), pre-installed 0.1 to 4 LPM oxygen flowmeter and 3 meters of fresh gas tubing.

SPECIFICATIONS

Flow Rate	0,1 to 4.0 LPM
Dimensions	68.58 x 66.04 x 132.08 cm (27 x 26 x 52 in)
Weight	11.36 kg (25 lb)
Warranty	5 years

Tabletop Anesthesia Machine

The Tabletop Anesthesia Machine has a single oxygen flowmeter. Its compact design takes up little bench space, is easily portable and can fit into most laboratory ventilation hoods.

- Non-rebreathing system for animals under 10 lb
- Selectatec vaporizer mounting system
- Vaporizer not included

This unit has 3 parallel independent quick-connect gas outputs making it very versatile. This allows halogenated gas to be distributed at the same concentration to one, two or three anesthetic devices, such as a mask, induction box, etc.

Up to 2 additional flowmeters can be added. Additional flowmeters need to be ordered with the anesthesia machine because they are factory installed.

This machine includes a 9-foot O₂ hose (USA), pre-installed 0.1 to 4 LPM oxygen flowmeter and 3 meters of fresh gas tubing.

Item No.	Description
75-2000	Tabletop Anesthesia Machine
75-2005	Additional Pre-Installed Flowmeter N2O Option, 0.1 to 4.0 LPM. Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2006	Additional Pre-Installed Flowmeter Air Option, 0.1 to 4.0 LPM. Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2007	Additional Pre-Installed Flowmeter CO2 Option, 0.1 to 4.0 LPM Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2008	Additional Pre-Installed Flowmeter O2 Option, Low Volume 0.1 to 1.0 LPM Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY



DETAILS

The Tabletop Anesthesia Machine has a single oxygen flowmeter. Its compact design takes up little bench space, is easily portable and can fit into most laboratory ventilation hoods.

- Non-rebreathing system for animals under 10 lb
- Selectatec vaporizer mounting system
- Vaporizer not included

This unit has 3 parallel independent quick-connect gas outputs making it very versatile. This allows halogenated gas to be distributed at the same concentration to one, two or three anesthetic devices, such as a mask, induction box, etc.

Up to 2 additional flowmeters can be added. Additional flowmeters need to be ordered with the anesthesia machine because they are factory installed.

This machine includes a 9-foot O₂ hose (USA), pre-installed 0.1 to 4 LPM oxygen flowmeter and 3 meters of fresh gas tubing.

SPECIFICATIONS

Flow Rate	0.1 to 4.0 LPM
Dimensions, L x W x H	30.48 x 30.48 x 33.20 cm (12 x 12 x 13 in)
Weight	3.18 kg (7 lb)

Mobile Rebreathing Anesthesia Machine

This mobile rebreathing anesthesia machine is designed for rebreathing applications and has a single oxygen flowmeter.

- Rebreathing system for animals over 10 lbs
- Selectatec vaporizer mounting system
- Vaporizer not included
- Recessed flush valve
- 5-year warranty
- Mounted on a 5-wheel spider base for increased stability and portability

Up to 2 additional flowmeters can be added. Additional flowmeters need to be ordered with the anesthesia machine because they are factory installed.

Integrates an innovative momentary pop-off valve which makes it quicker to bag the patient and prevents the user from forgetting to re-open it.

This machine includes a 1500 ml CO₂ absorber, 8 foot O₂ hose (USA), pre-installed 0.1 to 4 LPM O₂ flowmeter, Y- circuit and one each of 2 L and 3 L rebreathing bags.

Item No.	Description
75-2005	Additional Pre-Installed Flowmeter N2O Option, 0.1 to 4.0 LPM. Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2006	Additional Pre-Installed Flowmeter Air Option, 0.1 to 4.0 LPM. Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2007	Additional Pre-Installed Flowmeter CO2 Option, 0.1 to 4.0 LPM Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY
75-2008	Additional Pre-Installed Flowmeter O2 Option, Low Volume 0.1 to 1.0 LPM Must be ordered with Anesthesia Machine. NOT SOLD SEPARATELY



DETAILS

This mobile rebreathing anesthesia machine is designed for rebreathing applications and has a single oxygen flowmeter.

- Rebreathing system for animals over 10 lbs
- Selectatec vaporizer mounting system
- Vaporizer not included
- Recessed flush valve
- 5-year warranty
- Mounted on a 5-wheel spider base for increased stability and portability

Up to two additional flowmeters can be added. Additional flowmeters need to be ordered with the anesthesia machine because they are factory installed.

Integrates an innovative momentary pop-off valve which makes it quicker to bag the patient and prevents the user from forgetting to re-open it.

These machines include a 1500 ml CO₂ absorber, 8 foot O₂ hose (USA), pre-installed 0.1 to 4 LPM O₂ flowmeter, Y- circuit, one each of 2 L and 3 L rebreathing bags, recessed oxygen flush valve.

Add the Bain Circuit Adapter to modify the setup for non-rebreathing applications (animals under 10 lbs).

SPECIFICATIONS

Flow Rate	0.1 to 4.0 LPM
Dimensions	68.58 x 66.04 x 138.43 cm (27 x 26 x 52 in)
Weight	12.27 kg (27 lb)
Warranty	5 years

E-Cylinder Gas Regulators

Small cylinder chrome-plated brass regulator with factory pre-set at 50 PSI

Item No.	Description
75-2024	O2 Regulator for E-Cylinder
75-2023	Air Regulator for E-Cylinder
75-2026	N2O Regulator for E-Cylinder
75-2021	Dual O2 E-Cylinder Holder with Regulator for 75-2001 or 75-2002



DETAILS

Small cylinder chrome-plated brass regulator with factory pre-set at 50 PSI

Anesthesia Machine Gas Hoses

Anesthesia Machine Gas Hoses for Air, O₂, CO₂ and NO₂

With DISS connectors

Item No.	Description
75-2011	O2 Hose, 8 ft, Male-Female DISS Fittings, USA
75-2010	O2 Hose, 8 ft, Male-Female DISS Fittings
75-2058	Air Hose, 8 ft, Male-Female DISS Fittings, USA
75-2012	Air Hose, 8 ft, Male-Female DISS Fittings
75-2013	N2O Hose, 8 ft, Male-Female DISS Fittings
75-2014	CO2 Hose, 8 ft, Male-Female DISS Fittings



DETAILS

Anesthesia Machine Gas Hoses for Air, O₂, CO₂ and NO₂

With DISS connectors

Anesthesia Induction Chambers

The induction chamber is a very useful piece of equipment that allows you to anesthetize small animals quickly. Available in two sizes

- Air-tight lid
- 19 mm evacuation outlet, quick-connect fresh gas inlet
- Seal system includes silicone gasket imbedded into groove machine

Item No.	Description
75-2029	Small Induction Chamber, Air-Tight Lid, 9.25 x 5 x 5.5 in (L x W x H)
75-2030	Large Induction Chamber, Air-Tight Lid, 15.5 x 7.5 x 10.5 in (L x W x H)



DETAILS

The induction chamber is a very useful piece of equipment that allows you to anesthetize small animals quickly.

- Air-tight lid
- 19 mm evacuation outlet, quick-connect fresh gas inlet
- Seal system includes silicone gasket imbedded into groove machined into cover.
- Manufactured from 1/2" medical grade plexiglass for added strength.

The Small Induction Chamber is ideal for laboratory animals such as mice and rats.

- Dimensions (L x W x H): 9.25 x 5 x 5.5 in

The Large Induction Chamber is designed for medium-sized animals such as rats, small rabbits and small cats.

- Dimensions (L x W x H): 15.5 x 7.5 x 10.5 in

Corrugated Gas Evacuation Tubing & Adapter

Corrugated Gas Evacuation tubing, 1 ft (30 cm)

Item No.	Description
75-2042	Adapter for Bain Circuit and Evacuation Tubing
75-2044	Corrugated Gas Evacuation Tubing, 1 ft (30 cm)



Corrugated Gas Evacuation tubing, 1 ft (30 cm)

H-Cylinder Gas Regulators

Large cylinder chrome-plated brass regulator with factory pre-set at 50 PSI

Item No.	Description
75-2015	O2 Regulator for H-Cylinder
75-2016	Air Regulator for H-Cylinder



DETAILS

Large cylinder chrome-plated brass regulator with factory pre-set at 50 PSI

Replacement Anesthesia Gas Tubing and Quick Connect Elbow

Replacement Anesthesia Gas Tubing, 1 meter, and Quick Connect Elbow

Item No.	Description
75-2048	Fresh Anesthesia Gas Tubing, 1 meter
75-2049	Replacement Quick Connect Fitting



Replacement Anesthesia Gas Tubing, 1 meter, and Quick Connect Elbow

Respiratory Adapters

These polypropylene adapters are used to connect common size respiratory tubing.

Item No.	Description
72-2889	Respiratory Adapter, 6 to 22 mm (0.24 to 0.87 in), pkg. of 10
72-2892	Respiratory Adapter, 12 to 22 mm(0.47 to 0.87 in), pkg. of 10
72-2893	Respiratory Adapter, 15 to 22 mm (0.59 to 0.87 in), pkg. of 10
75-2043	Respiratory Adapter, 19 to 22 mm (0.75 to 0.87 in), 1 ea



DETAILS

These polypropylene adapters are used to connect common size respiratory tubing.

Vaporizer Filler Adapters

Key Fill and Filler Adapters for Isoflurane or Sevoflurane or Halothane Vaporizers

Item No.	Description
34-0401	Key Fill Adapter for Harvard Apparatus Isoflurane Vaporizers
34-1391	Key Fill Adapter for Harvard Apparatus Servoflurane Vaporizers
75-2050	Key Fill Adapter Isoflurane
75-2051	Antispill Adapter Sevoflurane
75-2052	Antispill Adapter Isoflurane
75-2054	Key Fill Adapter Sevoflurane
75-2055	Key Fill Adapter Halothane



DETAILS

Key Fill and Filler Adapters for Isoflurane or Sevoflurane or Halothane Vaporizers

Adapters for Anesthesia Waste Gas Canisters

These adapters fit the Fluosorber and F/air canisters and are available with different combination ports to suit a variety of different anesthesia set ups.

Item No.	Description
73-4842	HSE Adapter for Filter Canister, 3 x 6 mm
73-4845	HSE Adapter for Filter Canister, 3 x 22 mm
73-5050	HSE Adapter for Filter Canister, 2 x 22 mm, 1 x 6 mm, 1 x 12 mm



DETAILS

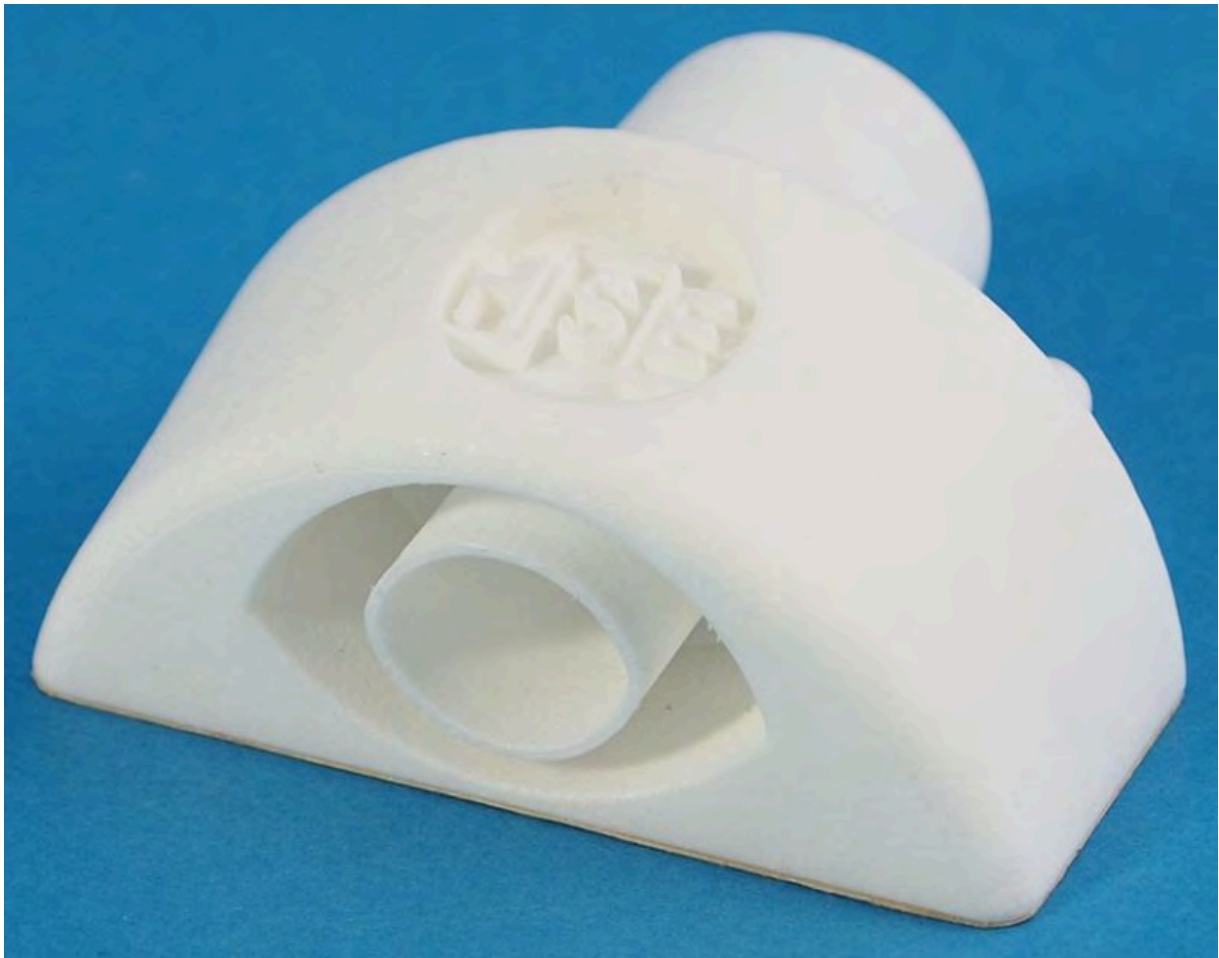
These adapters fit the and canisters and are available with different combination ports to suit a variety of different anesthesia set ups.

HSE Anesthesia Masks

These Anesthesia masks are optimally designed for use with mouse and rat. Options available in either the mask only, , , or .

- Secure positioning of the mask using either tape in the standard version or a magnet in the magnetic version
- Coaxial design for secure supply and scavenging of anesthetic gas
- Optimize for mouse or rat
- Easily interfaces with the or canisters
- Suture included to secure the animal's head around incisors

Item No.	Description
73-4838	Anesthesia Mask only, Mouse
73-4839	Anesthesia Mask only, Rat
73-4836	Anesthesia Mask only, Magnetic, Mouse
73-4837	Anesthesia Mask only, Magnetic, Rat



DETAILS

These Anesthesia masks are optimally designed for use with mouse and rat. Options available in either the mask only, , , or .

- Secure positioning of the mask using either tape in the standard version or a magnet in the magnetic version
 - Coaxial design for secure supply and scavenging of anesthetic gas
 - Optimize for mouse or rat
 - Easily interfaces with the or canisters
 - Suture included to secure the animal's head around incisors
-

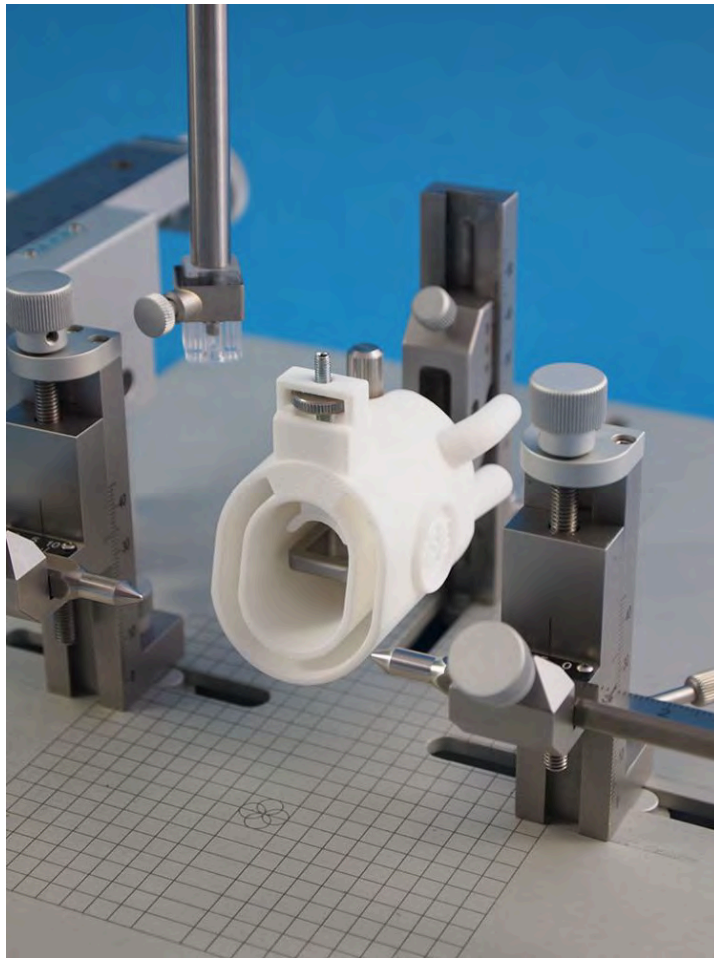
HSE Anesthesia Masks for Stereotaxic Instruments

These anesthesia masks for rodent are optimized for different models of Stereotaxic instruments.

- ONLY series of stereotaxic mask with a nose clamp to further minimize the animal's head movement
- Coaxial design for secure supply and scavenging of anesthetic gas
- Optimized for mouse or rat
- Easily interfaces with the Fluosorber or F/air canisters

See our full line of .

Item No.	Description
73-4921	Anesthesia Mask, with Rod for Mouse Specific Stereotaxic Instrument
73-4924	Anesthesia Mask for Mouse to use with Mouse/Rat Stereotaxic Instrument
73-5011	Anesthesia Mask for Mouse Stereotaxic Instrument, Standard U-Frame
73-4922	Anesthesia Mask for Rat Stereotaxic Instrument
73-4959	Anesthesia Mask for Mouse, compatible with KOPF frame, including tooth bar and Adapter to Kopf 923b Holder



DETAILS

These anesthesia masks for rodent are optimized for different models of Stereotaxic instruments.

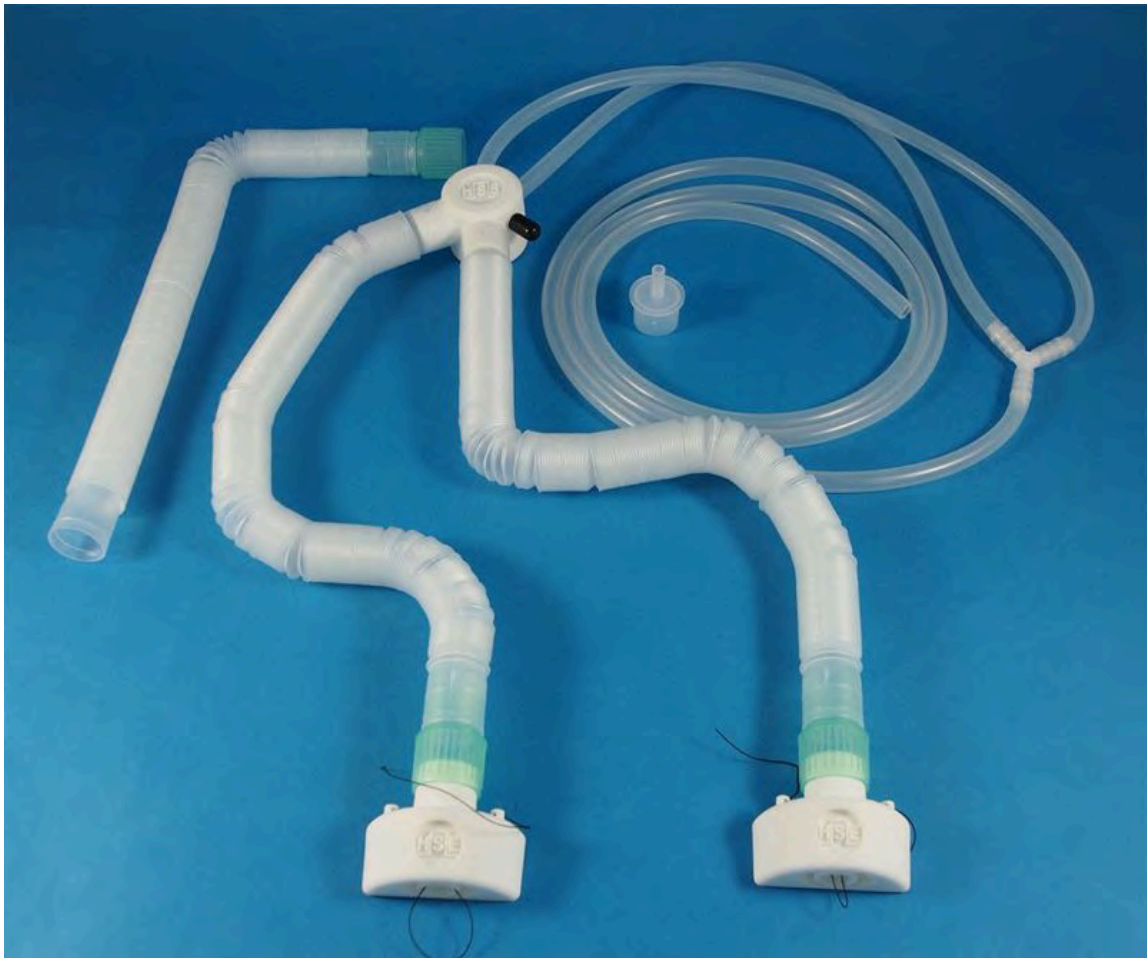
- ONLY series of stereotaxic mask with a nose clamp to further minimize the animal's head movement
 - Coaxial design for secure supply and scavenging of anesthetic gas
 - Optimized for mouse or rat
 - Easily interfaces with the Fluosorber or F/air canisters
-

HSE Dual Arm Anesthesia Masks

These Anesthesia masks are optimally designed for use with mouse and rat. Options available in either the , , dual arm masks, or .

- Secure positioning of the mask using either tape in the standard version or a magnetic in the magnetic version
- Coaxial design for secure supply and scavenging of anesthetic gas
- Optimize for mouse or rat
- Easily interfaces with the or canisters
- Suture included to secure the animal's head around incisors

Item No.	Description
73-4860	Dual Arm Anesthesia Mask, Mouse
73-4864	Dual Arm Anesthesia Mask, Magnetic, Mouse
73-4861	Dual Arm Anesthesia Mask, Rat
73-4865	Dual Arm Anesthesia Mask, Magnetic, Rat



DETAILS

These Anesthesia masks are optimally designed for use with mouse and rat. Options available in either the , , dual arm masks, or .

- Secure positioning of the mask using either tape in the standard version or a magnetic in the magnetic version
 - Coaxial design for secure supply and scavenging of anesthetic gas
 - Optimize for mouse or rat
 - Easily interfaces with the or canisters
 - Suture included to secure the animal's head around incisors
-

MiniVac Gas Evacuation Unit

The MiniVac provides an ideal way to safely scavenge gas anesthesia used in small animal surgical procedures.

- Small footprint
- Easy to use
- Adjustable flow
- Versatility in set up
- Compatible with multiple filter canister options

including the MiniVac are available.

Item No.	Description
73-4910	MiniVac Gas Evacuation Unit
73-4911	Adapter for Fluosorber Canister to MiniVac
73-4915	Adapter for F/Air Canister to MiniVac
34-0415	Fluosorber Filter Canister, case of 6
72-1294	F/Air Filter Canisters, case of 8



DETAILS

The MiniVac provides an ideal way to safely scavenge gas used in small animal surgical procedures. The MiniVac can be used in conjunction with either the or the filter canister (must be purchased separately). Alternatively, it can be integrated directly to the main exhaust of the building. The MiniVac can be interfaced with a wide variety of inhalation anesthetic delivery options including , , , and . The adjustable speed allows the user to control the flow, adjusting it to the needs of their particular set up.

SPECIFICATIONS

Input	22 mm OD
Output	22 mm OD
Flow	~8 LPM to ~30 LPM
Speed	Adjustable from 1 to 10
Overall Dimensions (W x H x D)	12.5 x 9 x 12.8 cm

Power	100 to 240 VAC, 50/60 Hz
Regulatory	CE
Warranty	1 year

Tabletop Anesthesia Systems with MiniVac Active Scavenging

The MiniVac Complete Anesthesia Systems include the MiniVac Gas Evacuation Unit and all of the additional components of a full anesthesia system from regulators, gas hose, and tubing, to vaporizers, flowmeters and nose cones.

The is an active delivery and scavenging device that substantially reduces the risk of exposure to anesthetic vapors from your surgical area. The MiniVac is self-contained, remedying the need for ducting or special ventilation that is traditional with active scavenging. This stand-alone device is ideal for labs that do not have dedicated ventilation systems to safely remove anesthetic gasses.

All systems include:

- Small Anesthesia Bracket system for small rodents
- Funnel-Fill Isoflurane Vaporizer with a 3-year warranty

Please see details for complete information about each system and the parts included.

Item No.	Description
75-0236	Tabletop Anesthesia System with MiniVac Active Scavenging
75-0237	Tabletop Anesthesia System with Induction Box with MiniVac Active Scavenging
75-0232	Harvard Apparatus Tabletop Anesthesia System with MiniVac Active Scavenging
75-0233	Harvard Apparatus Tabletop Anesthesia System with Induction Box with MiniVac Active Scavenging



DETAILS

The MiniVac Complete Anesthesia Systems include the MiniVac Gas Evacuation Unit and all of the additional components of a full anesthesia system from regulators, gas hose, and tubing, to vaporizers, flowmeters and nose cones.

The is an active delivery and scavenging device that substantially reduces the risk of exposure to anesthetic vapors from your surgical area. The MiniVac is self-contained, remedying the need for ducting or special ventilation that is traditional with active scavenging. This stand-alone device is ideal for labs that do not have dedicated ventilation systems to safely remove anesthetic gasses.

All systems include:

- Small Anesthesia Bracket system for small rodents
- Funnel-Fill Isoflurane Vaporizer with a 3-year warranty

For international versions without the H-cylinder regulator please add "INT" after the Item Number.

**Harvard Apparatus Tabletop Anesthesia System
with MiniVac Active Scavenging (75-0232)**

This system includes:

75-2015	O ₂ Regulator for H-Cylinder
34-1375	O ₂ Hose DISS Fittings to Flowmeter 4 m (13.1 ft)
34-1352	Small Bracket 1 to 2 gases
34-1420	Flowmeter 0.2 to 2 LPM
34-1040	Isoflurane Funnel-Fill Vaporizer
34-1461	Female End Cap for Vaporizer
34-1462	Male End Cap for Vaporizer
75-2052	Anti-Spill Adapter, Isoflurane
72-1026	Tygon Tubing, ID 6.35 mm (1/4 in)
72-2888	Respiratory Adapter, 6 mm and 22 mm, 1 each
75-2038	Bain Circuit, White, 60 in, Mask Not Included
75-2031	Rodent Mask for Bain Circuit (No Diaphragm)
73-4910	MiniVac Gas Evacuation System
73-4911	MiniVac Adapter for Fluosorber Canister
34-0415	Fluosorber Canisters, pkg. of 6
34-0400	Halovet Outlet Tube Mount

**Harvard Apparatus Tabletop Complete Anesthesia System
with induction Box with MiniVac Active Scavenging (75-0233)**

This system includes:

75-2015	O ₂ Regulator for H-Cylinder
34-1375	O ₂ Hose DISS Fittings to Flowmeter 4 m (13.1 ft)
34-1352	Small Bracket 1 to 2 gases
34-1420	Flowmeter 0.2 to 2 LPM
34-1040	Isoflurane Funnel-Fill Vaporizer
34-1461	Female End Cap for Vaporizer
34-1462	Male End Cap for Vaporizer
75-2052	Anti-Spill Adapter, Isoflurane
72-1026	Tygon Tubing, ID 6.35 mm (1/4 in)
72-2888	Respiratory Adapter, 6 mm and 22 mm, 1 each

60-5242	Manifold for Two Anesthetic Devices
75-2038	Bain Circuit, White, 60 in, Mask Not Included
75-2031	Rodent Mask for Bain Circuit (No Diaphragm)
50-0108	Anesthetizing Box, Small, for Rat
73-4910	MiniVac Gas Evacuation System
73-4911	MiniVac Adapter for Fluosorber Canister
34-0415	Fluosorber Canisters, pkg. of 6
34-0400	Halovet Outlet Tube Mount

Tabletop Anesthesia System with MiniVac Active Scavenging (75-0236)

This system includes:

75-2015	O ₂ Regulator for H-Cylinder
75-2000	Tabletop Anesthesia Bracket
75-2031	Rodent Mask
75-2038	Bain Circuit, White, 60 in, Mask Not Included
75-2042	Adapter for Bain Circuit and Evacuation Tubing
75-2043	Respiratory Adapter, 19 to 22 mm (0.75 to 0.87 in), 1 ea
75-1026	Tygon Tubing, ID 6.35 mm (1/4 in)
75-2044	Corrugated Gas Evacuation Tubing, 1 ft (30 cm)
75-2052	Anti-Spill Adapter Isoflurane
75-0950	Vaporizer Isoflurane, Screw Fill, Selecatec
73-4910	MiniVac Gas Evacuation Unit
73-4911	Adapter for Fluosorber Canister
34-0415	Fluosorber Filter Canister, Case of 6

Tabletop Anesthesia System with Induction Box with MiniVac Active Scavenging (75-0237)

This system includes:

75-2015	O ₂ Regulator for H-Cylinder
75-2000	Tabletop Anesthesia Bracket

75-0950	Vaporizer Isoflurane, Screw Fill, Selecatec
75-2031	Rodent Mask
75-2038	Bain Circuit, White, 60 in, Mask Not Included
75-2042	Adapter for Bain Circuit and Evacuation Tubing
72-1026	Tygon Tubing, ID 6.35 mm (1/4 in)
75-2044	Corrugated Gas Evacuation Tubing, 1 ft (30 cm)
50-0108	Small Induction Box
73-5050	HSE Adapter for Filter Canister, 2 x 22 mm, 1 x 6 mm, 1 x 12 mm
75-2052	Anti-Spill Adapter Isoflurane
73-4910	MiniVac Gas Evacuation Unit
73-4911	Adapter for Fluorisorber Canister
34-0415	Fluorisorber Filter Canister, Case of 6

Vaporizer Mounting Adapter

Adapter for a Tec3-type Cagemount vaporizer to be mounted on an anesthesia machine with Selectatec vaporizer mounting system.

Item No.

Description

75-2053

Adapter TEC3 Cagemount Vaporizer to Selectatec Mount



DETAILS

Adapter for a Tec3-type Cagemount vaporizer to be mounted on an anesthesia machine with Selectatec vaporizer mounting system.

Halovet Tube Mounts

These convenient tube mounts are used with Fluosorber canisters. They can also be used for 22 mm ports on vaporizers.

Item No.	Description
34-0399	Halovet Inlet Tube Mount for 22 mm Vaporizers
34-0400	Halovet Outlet Tube Mount for 22 mm Vaporizers



These convenient tube mounts are used with Fluosorber canisters. They can also be used for 22 mm ports on vaporizers.

Gas Flow Directavalve, Vaporizer Mounted

This is an effective and simple connector to swap between two devices.

- Connects directly to outlet of vaporizers
- Fits with 6 mm (0.24 in) ID tubing

Item No.	Description
34-1456	Gas Flow Directavalve, Vaporizer Mounted



DETAILS

This is an effective and simple connector to swap between two devices.

- Connects directly to outlet of vaporizers
 - Fits with 6 mm (0.24 in) ID tubing
-

One-Way Non-Rebreathing Respiratory Valves

These One-Way Respiratory Valves, sometimes referred to as check valves, are for uni-directional respiratory circuits. They permit the flow of gases in only one direction.

- Function in any position; not gravity dependent
- Long life, non-sticky diaphragm maintains elasticity and sensitivity
- Wide range of port sizes

See Details for **Resistance to Flow** data.

Item No.	Description
60-3164	Miniature One-Way Respiratory Valve, 7.5 mm ID x 10.5 mm OD



DETAILS

These One-Way Respiratory Valves, sometimes referred to as check valves, are for uni-directional respiratory circuits. They permit the flow of gases in only one direction.

- Function in any position; not gravity dependent
- Long life, non-sticky diaphragm maintains elasticity and sensitivity
- Wide range of port sizes

These valves have a non-sticky Spiral-Type™ diaphragm that is very sensitive to low flow ranges, has excellent elastic memory and is not gravity dependent. The valves have two ports of the same size. The outlet port is transparent permitting diaphragm viewing. All body parts are threaded for easy disassembly.

The valves are available in a variety of sizes. Select a valve according to the subject size and resistance to flow required. The 60-3172 One-Way Valve is the only valve that is constructed from autoclavable materials and that has a hose barb for gas sampling or drainage of condensation.

Two types of connectors are available: straight and standard medical tapers. Ports having an OD or ID of 7.5, 10.5, 15 or 22 mm are standard medical tapers. All other sizes are straight connectors. Both types allow quick, leak-free, twist attachment of the Valve to other components.

Resistance to Flow

	Differential Pressure (dP) in cmH ₂ O										
Flow Rate, LPM	60-3164	60-3165	60-3166	60-3167	60-3168	60-3169	60-3170	60-3171	60-3172	60-3173	60-3174
2	0.5	0.4	0.6	0.6	0.5	0.4	-	-	-	-	-
4	0.6	0.5	0.7	0.8	0.6	0.5	-	-	-	-	-
6	0.7	0.6	0.8	0.9	0.7	0.6	-	-	-	-	-
8	0.8	0.7	0.9	1.0	0.7	0.7	-	-	-	-	-
10	1.0	1.1	1.1	1.2	0.8	0.8	-	-	-	-	-
15	1.8	2.2	2.2	1.6	1.1	1.0	-	-	-	-	-
20	3.0	3.8	3.8	2.1	1.3	1.2	0.5	0.6	0.5	-	-
25	4.6	5.7	5.6	2.6	1.7	1.5	-	-	-	-	-
30	6.4	8.1	7.7	3.4	2.1	1.8	-	-	-	-	-
35	8.5	10.8	10.3	4.1	2.5	2.2	-	-	-	-	-
60	-	-	-	-	-	-	0.9	1.0	0.9		-
100	-	-	-	-	-	-	1.7	1.7	1.7	1.6	0.5
140	-	-	-	-	-	-	2.9	3.0	2.9	-	-
180	-	-	-	-	-	-	5.0	5.0	5.0	NA	0.8
200	-	-	-	-	-	-	6.3	6.3	6.3	4.7	1.3
300	-	-	-	-	-	-	-	-	-	8.8	2.0
400	-	-	-	-	-	-	-	-	-	-	3.0
500	-	-	-	-	-	-	-	-	-	-	4.1
600	-		-	-	-	-	-	-	-	-	5.5
700	-	-	-	-	-	-	-	-	-	-	6.9

SPECIFICATIONS

Item #	Valve Size	OD (mm)	ID (mm)
60-3164	Miniature	10.5	7.5
60-3165	Miniature	15	10.5

60-3166	Miniature	22	15
60-3167	Extra Small	10,5	7.5
60-3168	Extra Small	15	10,5
60-3169	Extra Small	22	15
60-3170	Small	22	15
60-3171	Small	25.4	22
60-3172	Small	22	15
60-3173	Medium	35	28.6
60-3174	Large	35	28.6

Tygon® Laboratory Tubing (E-3603)

The most consistently reliable tubing for the transfer of liquids and gases, Tygon® Laboratory Tubing handles virtually all inorganic chemicals found in today's laboratories. Long-lasting and crack-resistant, this tubing is crystal clear and flexible, providing excellent lot-to-lot consistency for reproducible results.

- Less permeable than rubber tubing
- Outstanding chemical resistance
- Autoclavable
- Durometer hardness: Shore A, 55*
- Remains flexible at -45°F (-43°C)

The glassy-smooth inner bore helps prevent buildup so that cleaning is facilitated. Coils are marked at 1-foot intervals for easy measuring. Tygon tubing outlasts other clear tubing 2 to 1 in peristaltic pumps.

*Higher durometer values correlate with stiffer less flexible tubing

Item No.	Description
72-1014	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 0.8 mm (1/32 in) ID, 2.4 mm (3/32 in) OD
72-1015	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 1.6 mm (1/16 in) ID, 3.2 mm (1/8 in) OD
72-1016	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 1.6 mm (1/16 in) ID, 4.8 mm (3/16 in) OD
72-1017	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 2.4 mm (3/32 in) ID, 4.0 mm (5/32 in) OD
72-1018	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 2.4 mm (3/32 in) ID, 5.6 mm (7/32 in) OD
72-1019	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 3.2 mm (1/8 in) ID, 4.8 mm (3/16 in) OD

Item No.	Description
72-1020	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 3.2 mm (1/8 in) ID, 6.4 mm (1/4 in) OD
72-1021	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 4.0 mm (5/32 in) ID, 5.6 mm (7/32 in) OD
72-1022	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 4.0 mm (5/32 in) ID, 7.1 mm (9/32 in) OD
72-1023	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 4.8 mm (3/16 in) ID, 6.4 mm (1/4 in) OD
72-1024	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 4.8 mm (3/16 in) ID, 7.9 mm (5/16 in) OD
72-1026	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 6.4 mm (1/4 in) ID, 9.5 mm (3/8 in) OD
72-1027	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 7.9 mm (5/16 in) ID, 11.1 mm (7/16 in) OD; for Models 1405 & 1407
72-1028	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 7.9 mm (5/16 in) ID, 14.3 mm (9/16 in) OD
72-1029	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 9.5 mm (3/8 in) ID, 14.3 mm (9/16 in) OD
72-1030	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 9.5 mm (3/8 in) ID, 15.9 mm (5/8 in) OD
72-1033	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 12.7 mm (1/2 in) ID, 17.5 mm (11/16 in) OD; for Model 1423
72-1034	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 12.7 mm (1/2 in) ID, 19.1 mm (3/4 in) OD

Item No.	Description
72-1039	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 17.5 mm (11/16 in) ID, 22.2 mm (7/8 in) OD
72-4621	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 9.5 mm (3/8 in) ID, 12.7 mm (1/2 in) OD



DETAILS

The most consistently reliable tubing for the transfer of liquids and gases, Tygon[®] Laboratory Tubing handles virtually all inorganic chemicals found in today's laboratories. Long-lasting and crack-resistant, this tubing is crystal clear and flexible, providing excellent lot-to-lot consistency for reproducible results.

- Less permeable than rubber tubing
- Outstanding chemical resistance
- Autoclavable
- Durometer hardness: Shore A, 55*

- Remains flexible at -45°F (-43°C)

The glassy-smooth inner bore helps prevent buildup so that cleaning is facilitated. Coils are marked at 1-foot intervals for easy measuring. Tygon tubing outlasts other clear tubing 2 to 1 in peristaltic pumps.

*Higher durometer values correlate with stiffer less flexible tubing.

Small Anesthesia Bracket

Strong metal bracket for a vaporizer and one or two flowmeters. With convenient handle.

- Can be added to Mobile Post System (34-1384)
- Vaporizer and flowmeters not included
- Complete anesthesia machine will include bracket, 1-2 flowmeter(s), inlet and outlet mount

Item No.	Description
34-1352	Small Anesthesia Bracket for 1 to 2 gases



DETAILS

Strong metal bracket for a vaporizer and one or two flowmeters. With convenient handle.

- Can be added to Mobile Post System (34-1384)
 - Vaporizer and flowmeters not included
 - Complete anesthesia machine will include bracket, 1-2 flowmeter(s), inlet and outlet mount
 - Dimensions: 27.5 x 27.0 x 18.0 cm (10.8 x 10.6 x 7.1 in), H x W x D
-

Platinum Cured Silicone Tubing

This Platinum Cured Silicone Tubing is ultra-flexible and can be sterilized by autoclaving. It is an ultra-pure biopharmaceutical grade tubing which imparts no tastes or odors to fluids transferred.

- Ideal for applications such as sterile fill and transfers, biocompatible for use as catheters, drains and intravenous drug delivery and blood withdrawal
- Excellent for use as catheters, drains and IV drug delivery
- Ultra-pure biocompatible tubing
- Autoclavable
- Durometer hardness: Shore A, 61
- Resistant to temperature extremes, ozone, radiation, moisture, compression sets, weathering, and chemical attack
- Non-toxic and non-hemolytic

Item No.	Description
72-1046	Platinum Cured Silicone Tubing, 0.8 mm (1/32 in) ID x 4.1 mm (5/32 in) OD, 7.6 m (25 ft) long
72-4189	Platinum Cured Silicone Tubing, 0.8 mm (1/32 in) ID x 2.4 mm (3/32 in) OD, 15.2 m (50 ft) long
72-1050	Platinum Cured Silicone Tubing, 1.6 mm (1/16 in) ID x 3.2 mm (1/8 in) OD, 7.6 m (10 ft) long
72-1049	Platinum Cured Silicone Tubing, 1.6 mm (1/16 in) ID x 4.8 mm (3/16 in) OD, 7.6 m (25 ft) long
72-1061	Platinum Cured Silicone Tubing, 2.4 mm (3/32 in) ID x 5.6 mm (7/32 in) OD, 7.6 m (25 ft) long
72-1068	Platinum Cured Silicone Tubing, 3.2 mm (1/8 in) ID x 4.8 mm (3/16 in) OD, 7.6 m (25 ft) long

Item No.	Description
72-1067	Platinum Cured Silicone Tubing, 3.2 mm (1/8 in) ID x 6.4 mm (1/4 in) OD, 7.6 m (25 ft) long
72-1074	Platinum Cured Silicone Tubing, 4 mm (5/32 in) ID x 5.6 mm (7/32 in) OD, 7.6 m (25 ft) long
72-1073	Platinum Cured Silicone Tubing, 4 mm (5/32 in) ID x 7.1 (9/32 in) mm OD, 7.6 m (25 ft) long
72-1080	Platinum Cured Silicone Tubing, 4.8 mm (3/16 in) ID x 6.4 mm (1/4 in) OD, 7.6 m (25 ft) long
72-1079	Platinum Cured Silicone Tubing, 4.8 mm (3/16 in) ID x 7.9 mm (5/16 in) OD, 7.6 m (25 ft) long
72-1084	Platinum Cured Silicone Tubing, 4.8 mm (3/16 in) ID x 9.5 mm (3/8 in) OD, 7.6 m (25 ft) long
72-1086	Platinum Cured Silicone Tubing, 6.4 mm (1/4 in) ID x 7.9 mm (5/16 in) OD, 7.6 m (25 ft) long
72-1085	Platinum Cured Silicone Tubing, 6.4 mm (1/4 in) ID x 9.5 mm (3/8 in) OD, 7.6 m (25 ft) long
72-1090	Platinum Cured Silicone Tubing, 6.4 mm (1/4 in) ID x 11.1 mm (7/16 in) OD, 7.6 m (25 ft) long
72-1088	Platinum Cured Silicone Tubing, 6.4 mm (1/4 in) ID x 12.7 mm (1/2 in) OD, 7.6 m (25 ft) long
72-1089	Platinum Cured Silicone Tubing, 6.4 mm (1/4 in) ID x 15.9 mm (5/8 in) OD, 3 m (10 ft) long
72-1091	Platinum Cured Silicone Tubing, 7.9 mm (5/16 in) ID x 11.1 mm (7/16 in) OD, 7.6 m (25 ft) long
72-1097	Platinum Cured Silicone Tubing, 9.5 mm (3/8 in) ID x 12.7 mm (1/2 in) OD, 7.6 m (25 ft) long



DETAILS

This Platinum Cured Silicone Tubing is ultra-flexible and can be sterilized by autoclaving. It is an ultra-pure biopharmaceutical grade tubing which imparts no tastes or odors to fluids transferred.

- Ideal for applications such as sterile fill and transfers, biocompatible for use as catheters, drains and intravenous drug delivery and blood withdrawal
 - Excellent for use as catheters, drains and IV drug delivery
 - Ultra-pure biocompatible tubing
 - Autoclavable
 - Durometer hardness: Shore A, 61
 - Resistant to temperature extremes, ozone, radiation, moisture, compression sets, weathering, and chemical attack
 - Non-toxic and non-hemolytic
-

Harvard Apparatus Anesthetic Vaporizers

All Harvard Apparatus vaporizers are new and never refurbished. They come with a 3-year limited warranty. Annual service available.

Item No.	Description
34-1040	Harvard Apparatus Isoflurane Funnel-Fill Vaporizer, for use with 34-1352 Anesthesia Bracket
34-1041	Harvard Apparatus Isoflurane Key-Fill Vaporizer, for use with 34-1352 Anesthesia Bracket



DETAILS

All Harvard Apparatus vaporizers are new and never refurbished. They come with a 3-year limited warranty. Annual service available.

When pairing the Harvard Apparatus Anesthetic Vaporizer with the Small Anesthesia Bracket (34-1352), use part numbers 34-1040 or 34-1041. When pairing the Harvard Apparatus Anesthetic Vaporizer with any other anesthesia units use part numbers 34-1040SV or 34-1041SV.

SPECIFICATIONS

Temperature Range Compensation	18° to 35°C
Calibration	21° and 35°C
Accuracy	Within 10% when used in nominal working range
Halogenated Gas Consumption	15.5 ml consumed over 30 minutes at 5 lpm and 2%
Liquid Capacity	160 ml liquid capacity; 66 ml absorbed by wick
Dimensions (H x W x D)	
Funnel Fill	19 x 14 x 17 cm
Key Fill	21 x 14 x 17 cm
Weight	
Funnel Fill	13.56 lb
Key Fill	13.45 lb

Mobile Post System

This mobile post system adapts to the Small Anesthesia Bracket (34-1352).

- Stable 5-wheel spider base
- Easily modified for room air or oxygen E-sized cylinders

Item No.	Description
34-1384	Basic Mobile Anesthetic Post
34-1060	O2 Pin Index Regulator for E-sized Compressed Gas Cylinders



DETAILS

This mobile post system adapts to the Small Anesthesia Bracket (34-1352).

- Stable 5-wheel spider base
 - Easily modified for room air or oxygen E-sized cylinders
-

Fluosorber Activated Charcoal Filter Canister

Activated charcoal canister that is packed to optimize halogenated gas absorption

- Stand-alone for passive scavenging or for use with the for efficient active scavenging
- Weighs 1,200 g (2.65 lb) before use and 1,400 g (3.1 lb) when full
- Designed to scavenge 200 g of anesthetic agent and then can be thrown away in regular trash or incinerated in supplied bags
- Fluosorber is factory tested with an air flow of 60 LPM to ensure resistance is not above 2 cmH₂O

Learn more about the MiniVac Anesthetic Gas Evacuation Unit. .

Item No.

Description

34-0415

Fluosorber Filter Canister, case of 6



DETAILS

Activated charcoal canister that is packed to optimize halogenated gas absorption

- Stand-alone for passive scavenging or for use with the for efficient active scavenging
 - Weighs 1,200 g (2.65 lb) before use and 1,400 g (3.1 lb) when full
 - Designed to scavenge 200 g of anesthetic agent and then can be thrown away in regular trash or incinerated in supplied bags
 - Fluosorber is factory tested with an air flow of 60 LPM to ensure resistance is not above 2 cmH₂O
-

Anesthetizing Boxes

These Anesthetizing Boxes are our most popular choice.

- Transparent 6 mm (5/16 in) thick plastic for easy animal monitoring and cemented joints
- Comes with two 7.9 mm (5/16 in) ports for introducing and removing gases
- Small box opens lengthwise along machined grooves and is ideal for rodents
- Large box is hinged for easy opening and fasteners squeeze the top against a rubber gasket for a tight seal
- Large box is ideal for rabbits, cats and small non-human primates
- Small box (H x W x D) 10.7 x 25.7 x 11 cm (4 x 10 x 4.5 in)
- Large box (H x W x D) 29 x 44 x 29 cm (11.5 x 19.5 x 11.5 in)

Item No.	Description
50-0108	Anesthetizing Box, Small, 4 x 10 x 4.5 in (10.7 x 25.7 x 11 cm)
50-0116	Anesthetizing Box, Large, 11.5 x 19.5 x 11.5 in (29.0 x 44.0 x 29.0 cm)



DETAILS

These Anesthetizing Boxes are transparent 6 mm (5/16 in) thick plastic for easy animal monitoring and cemented joints.

- Our most popular choice
- Comes with two 7.9 mm (5/16 in) ports for introducing and removing gases
- Small box opens lengthwise along machined grooves and is ideal for rodents
- Large box is hinged for easy opening and fasteners squeeze the top against a rubber gasket for a tight seal
- Large box is ideal for rabbits, cats and small non-human primates
- Small box (H x W x D) 10.7 x 25.7 x 11 cm (4 x 10 x 4.5 in)
- Large box (H x W x D) 29 x 44 x 29 cm (11.5 x 19.5 x 11.5 in)

SPECIFICATIONS

Specifications	50-0108	50-0116
Size	Small	Large
Dimensions (H x W x D)	10.7 x 25.7 x 11 cm (4 x 10 x 4.5 in)	29 x 44 x 29 cm (11.5 x 19.5 x 11.5 in)
Material	Plastic	Plastic
Tubing Connector Diameter	3/8 in (9.5 mm)	3/8 in (9.5 mm)
Tubing Connector Length	1 in (25 mm)	1 in (25 mm)
Wall Thickness	0.25 in (6 mm)	0.25 in (6 mm)

Anesthetic/CO2 Chambers

These chamber have white 6 mm (0.24 in) Perspex walls; clear Perspex available by special order.

- 10 mm (0.4 in) thick clear Perspex lid that latches against a foam seal
- Chamber has false aluminum floor for easy cleaning
- Brass straight fittings are supplied for the inlet (below false floor) and outlet (top of chamber), and fit with 3/16 in ID tubing

Pneumatic fittings and tubing are also available separately. Please see Item Listing.

Item No.	Description
34-0430	Anesthetic/CO2 Chamber, Medium, 8.3 x 7.9 x 12.0 in (21.0 x 20.0 x 30.5 cm)
34-0431	Anesthetic/CO2 Chamber, Small, 6.3 x 3.9 x 10.0 in (16.0 x 10.0 x 25.0 cm)
34-0451	1/4-in UNC Thread, Female Quick Release Fitting for Use with Anesthetic/CO ₂ Chambers
34-0452	Male Quick Release Fitting with Push-In Fitting for 6 mm (0.24 in) OD Pneumatic Tubing
34-0453	Coiled 6 mm OD (0.24 in) tubing



DETAILS

These chamber have white 6 mm (0.24 in) Perspex walls; clear Perspex available by special order.

- 10 mm (0.4 in) thick clear Perspex lid that latches against a foam seal
- Chamber has false aluminum floor for easy cleaning
- Brass straight fittings are supplied for the inlet (below false floor) and outlet (top of chamber), and fit with 3/16 in ID tubing

Pneumatic fittings and tubing are also available separately. Please see Item Listing.

SPECIFICATIONS

Specifications

34-0430

34-0431

34-0429

**Overall Size
(H x W x D)**

8.3 x 7.9 x 12 in
(210 x 200 x 305 mm)

Pneumatic Fittings

Spares and/or upgrades can be made to existing anesthesia systems by use of pneumatic quick release fittings.

Item No.	Description
34-0453	Coiled 6 mm OD (0.24 in) tubing
34-0452	Male Quick Release Fitting with Push-In Fitting for 6 mm (0.24 ini) OD Pneumatic Tubing
34-0451	1/4-in UNC Thread, Female Quick Release Fitting for Use with Anesthetic/CO ₂ Chambers

DETAILS

Spares and/or upgrades can be made to existing anesthesia systems by use of pneumatic quick release fittings.

Anesthesia Machine Barbed Connectors

Connect anesthetizing box to manifold or manifold to rodent circuit set

Item No.	Description
72-1550	1/4 - 5/16 inch Barbed Connector (connects anesthetizing box to manifold)

DETAILS

Connect anesthetizing box to manifold or manifold to rodent circuit set

Y connectors

Constructed of white polypropylene. It measures 6.7 mm ID x 9 mm OD.

Item No.	Description
34-0940	Y Piece, White Polypropylene, 6.7 mm ID, 9 mm OD, pk of 10

DETAILS

Constructed of white polypropylene. It measures 6.7 mm ID x 9 mm OD. Supplied 10 per package.

Corrugated Plastic Flexible Tubing

Corrugated tubing to fit all 22 mm tapered male tube mounts (including DirectaValves, Halovets etc.).

Item No.	Description
34-0426	Corrugated Plastic Tubing, 22 mm taper (ID), 10 meter length



DETAILS

Corrugated tubing to fit all 22 mm tapered male tube mounts (including DirectaValves, Halovets etc.).

Supplied as a continuous 10 meter length, which can be cut into 38 cm sections each end having a 22 mm taper.

Cat Anesthesia Masks

These soft pliable vinyl plastic masks conform to the facial contours of a cat. They are fitted with a standard 15 mm (3/5 in) taper for connection to anesthesia machines. They are available in three sizes and are supplied individually or as a convenient set containing one mask of each size.

Item No.	Description
59-8201	Cat Ventilation/Anesthesia Mask, Small, 5.1 cm (2 in) diameter, molded on 15 mm standard male connections
59-8202	Cat Ventilation/Anesthesia Mask, Medium, 6.4 cm (2.5 in) diameter, molded on 15 mm standard male connections
59-8204	Set of 3 Masks, one each, Small (59-8201), Medium (59-8202) and Large (59-8203)



DETAILS

These soft pliable vinyl plastic masks conform to the facial contours of a cat. They are fitted with a standard 15 mm (3/5 in) taper for connection to anesthesia machines. They are available in three sizes and are supplied individually or as a convenient set containing one mask of each size.

The mask diameters are 25 mm (1 in), 38 mm (1-1/2 in), and 50 mm (2 in) for the small, medium and large size masks respectively.

Mobile Anesthesia Systems

Our complete mobile anesthesia system is great for any lab that needs the flexibility to move their surgical station. These systems are ideal for small animals (including mice). They include everything that you need to immediately start.

- Suitable for mice, rats and other small animals under 10 lb
- Features a new Funnel-Fill Isoflurane VapORIZER with a 3-year warranty
- Passive scavenging system
- Available with or without induction box

Please see details for complete information about each system and the parts included.

Note: Systems do not include Mayo tray.

Item No.	Description
75-0238	Mobile Anesthesia System with Passive Scavenging
75-0239	Mobile Anesthesia System with Induction Box and Passive Scavenging
72-6469	Harvard Apparatus Mobile Single Animal System for Isoflurane
72-6470	Harvard Apparatus Mobile Single Animal System with Induction Box



DETAILS

Our complete mobile anesthesia system is great for any lab that needs the flexibility to move their surgical station. These systems are ideal for small animals (including mice). They include everything that you need to immediately start.

- Suitable for mice, rats and other small animals under 10 lb
- Features a Funnel-Fill Isoflurane Vaporizer with a 3-year warranty
- Passive scavenging system
- Available with or without induction box

Harvard Apparatus Mobile Single Animal Anesthesia System for Isoflurane (72-6469)*

This system has a flowmeter range ideal for rodents and includes:

34-1060 O₂ Pin Index Regulator E-Cylinder

34-1354 Oxygen Hose 4 m (13.1 ft)

34-1384 Mobile Anesthesia Post
34-1352 Small Bracket 1 to 2 gases
34-1420 Flowmeter 0.2 to 2 LPM
34-1040 Isoflurane Funnel Fill Vaporizer
34-1461 Female End Cap
34-1462 Male End Cap
75-2052 Anti-Spill Adapter, Isoflurane
72-2888 Respiratory Adapter, 6 and 22 mm, 1 each
72-1026 Tygon Tubing, 1/4 in
60-5251 Connector for F/Air Canister
75-2038 Bain Circuit, White, 60 in, Mask Not Included
75-2031 Rodent Mask for Bain Circuit (No Diaphragm)
60-0979 F/Air Canister, pkg. of 1
75-2045 F/Air Canister Basket Holder
* Does not include Mayo tray

**Harvard Apparatus Mobile Single Animal System
with Induction Box (72-6470)***

This system has a flowmeter range ideal for rodents and includes:

34-1060 O₂ Pin Index Regulator E-Cylinder
34-1354 Oxygen Hose 4 m (13.1 ft)
34-1384 Mobile Anesthesia Post
34-1352 Small Bracket 1 to 2 gases
34-1420 Flowmeter 0.2 to 2 LPM
34-1040 Isoflurane Funnel Fill Vaporizer
34-1461 Female End Cap
34-1462 Male End Cap
75-2052 Anti-Spill Adapter, Isoflurane
72-2888 Respiratory Adapter, 6 and 22 mm, 1 each
72-1026 Tygon Tubing, 1/4 in
60-5251 Connector for F/Air Canister
60-5242 Manifold for Two Devices
75-2038 Bain Circuit, White, 60 in, Mask Not Included

75-2031 Rodent Mask for Bain Circuit (No Diaphragm)

50-0108 Anesthetizing Box, Small, for Rat

60-0979 F/Air Canister, pkg. of 1

75-2045 F/Air Canister Basket Holder

* Does not include Mayo tray

Mobile Anesthesia System with Passive Scavenging (75-0238)*

This system has a flowmeter range ideal for rodents and includes:

75-2021 Dual O₂ E-Cylinder Holder with Regulator

75-2001 Mobile Non-Rebreathing Anesthesia Machine

75-2031 Rodent Mask

75-2038 Bain Circuit, White, 60 in, Mask Not Included

72-1026 Tygon Tubing, 1/4 in

75-2042 Adapter for Bain Circuit and Evacuation Tubing

75-2043 Respiratory Adapter, 19 to 22 mm (0.75 to 0.87 in), 1 ea

75-2044 Corrugated Gas Evacuation Tubing 1 ft (30 cm)

75-2052 Anti-Spill Adapter Isoflurane

75-0950 Vaporizer Isoflurane, Screw Fill, Selecatec

34-0415 Fluosorber Filter Canister, Case of 6

* Does not include Mayo tray

Mobile Anesthesia System with Induction Box and Passive Scavenging (75-0239)*

This system has a flowmeter range ideal for rodents and includes:

75-2021 Dual O₂ E-Cylinder Holder with Regulator

75-2001 Mobile Non-Rebreathing Anesthesia Machine

75-0950 Vaporizer Isoflurane, Screw Fill, Selectatec

75-2031 Rodent Mask

75-2038 Bain Circuit, White, 60 in, Mask Not Included

75-2042 Adapter for Bain Circuit and Evacuation Tubing

72-1026 Tygon Tubing, 1/4 in

75-2044 Corrugated Gas Evacuation Tubing 1 ft (30 cm)

50-0108 Anesthetizing Box, Small

- 73-5050 HSE Adapter for Filter Canister, 2 x 22 mm, 1 x 6 mm, 1 x 12 mm
- 75-2052 Anti-Spill Adapter Isoflurane
- 34-0415 Fluosorber Filter Canister, Case of 6

* Does not include Mayo tray

SPECIFICATIONS

Specifications	75-0238	75-0239	72-6469	72-6470
Animal Weight	4.5 kg (10 lb)	4.5 kg (10 lb)	4.5 kg (10 lb)	4.5 kg (10 lb)
Flowmeter	0.1 to 4 LPM	0.1 to 4 LPM	0.2 to 2 LPM	0.2 to 2 LPM
Induction	N	Y	N	Y
Number of Animals	1	1	1	1
Scavenging	Passive	Passive	Passive	Passive
Warranty Anesthesia Machine	1 yr	1 yr	1 yr	1 yr
Warranty Vaporizer	3 yr	3 yr	3 yr	3 yr

Tabletop Single Animal Anesthesia Systems

These tabletop anesthesia systems are our most popular configurations and include all the parts, regulators, tubing and connectors needed.

- Suitable for mice, rats and other small animals under 10 lb
- Passive scavenging systems
- Funnel-fill isoflurane vaporizers

Please see details for complete information about each system and the parts included.
are also available.

Item No.	Description
75-0234	Tabletop Anesthesia System with Passive Scavenging
75-0235	Tabletop Anesthesia System with Induction Box and Passive Scavenging
72-6467	Harvard Apparatus Single Animal Tabletop Isoflurane Anesthesia System
72-6468	Harvard Apparatus Single Animal Tabletop Isoflurane Anesthesia System with Small Induction Box



DETAILS

These tabletop anesthesia systems are our most popular configurations and include all the parts, regulators, tubing and connectors needed.

- Suitable for mice, rats and other small animals under 10 lb
- Passive scavenging systems
- Funnel-fill isoflurane vaporizers

Harvard Apparatus Single Animal Isoflurane Anesthesia System (72-6467)

This system has a small footprint and an ideal flowmeter range for rodents.

The system includes:

75-2015 O₂ Regulator for H-Cylinder

34-1375 O₂ Hose DISS Fittings to Flowmeter 4 m (13.1 ft)

34-1352 Small Bracket 1 to 2 gases

34-1420 Flowmeter 0.2 to 2 LPM

34-1040 Isoflurane Funnel-Fill Vaporizer
34-1461 Female End Cap for Vaporizer
34-1462 Male End Cap for Vaporizer
75-2052 Anti-Spill Adapter, Isoflurane
72-1026 Tygon Tubing, 1/4 in
72-2888 Respiratory Adapter, 6 mm and 22 mm, 1 each
75-2038 Bain Circuit, White, 60 in, Mask Not Included
75-2031 Rodent Mask for Bain Circuit (No Diaphragm)
34-0415 Fluosorber Canisters, pkg. of 6
34-0400 Halovet Outlet Tube Mount

**Harvard Apparatus Single Animal Isoflurane Anesthesia System
with Small Induction Box (72-6468)**

This system has a small footprint and an ideal flowmeter range for rodents. It includes a small induction box for mice and rats.

The system includes:

75-2015 O₂ Regulator for H-Cylinder
34-1375 O₂Hose DISS Fittings to Flowmeter 4 m (13.1 ft)
34-1352 Small Bracket 1 to 2 gases
34-1420 Flowmeter 0.2 to 2 LPM
34-1040 Isoflurane Funnel-Fill Vaporizer
34-1461 Female End Cap for Vaporizer
34-1462 Male End Cap for Vaporizer
75-2052 Anti-Spill Adapter, Isoflurane
72-1026 Tygon Tubing, 1/4 in
72-2888 Respiratory Adapter, 6 mm and 22 mm, 1 each
60-5242 Manifold for Two Anesthetic Devices
75-2038 Bain Circuit, White, 60 in, Mask Not Included
75-2031 Rodent Mask for Bain Circuit (No Diaphragm)
50-0108 Anesthetizing Box, Small, for Rat
34-0415 Fluosorber Canisters, pkg. of 6
34-0400 Halovet Outlet Tube Mount

Tabletop Anesthesia System with Passive Scavenging (75-0234)

This system has a small footprint and an ideal flowmeter range for rodents.

The system includes:

75-2015 O₂ Regulator for H-Cylinder

75-2000 Tabletop Anesthesia Bracket

75-2031 Rodent Mask

75-2038 Bain Circuit, White, 60 in, Mask Not Included

75-2042 Adapter for Bain Circuit and Evacuation Tubing

75-2043 Respiratory Adapter, 19 to 22 mm (0.75 to 0.87 in), 1 ea

72-1026 Tygon Tubing, 1/4 in

75-2044 Corrugated Gas Evacuation Tubing

75-2052 Anti-Spill Adapter Isoflurane

75-0950 Vaporizer Isoflurane, Screw Fill, Selectec

34-0415 Fluosorber Filter Canister, case of 6

Tabletop Anesthesia System with Induction Box and Passive Scavenging (75-0235)

This system has a small footprint and an ideal flowmeter range for rodents. It includes a small induction box for mice and rats.

75-2015 O₂ Regulator for H-Cylinder

75-2000 Tabletop Anesthesia Bracket

75-0950 Vaporizer Isoflurane, Screw Fill, Selecatec

75-2031 Rodent Mask

75-2038 Bain Circuit, White, 60 in, Mask Not Included

75-2042 Adapter for Bain Circuit and Evacuation Tubing

72-1026 Tygon Tubing, 1/4 in

75-2044 Corrugated Gas Evacuation Tubing, 1 ft (30 cm)

50-0108 Anesthetizing Box, Small

73-5050 HSE Adapter for Filter Canister, 2 x 22 mm, 1 x 6 mm, 1 x 12 mm

34-0415 Fluosorber Filter Canister, case of 6

75-2052 Anti-Spill Adapter Isoflurane

SPECIFICATIONS

Specifications**75-0234****75-0235****72-6467****72-6468**

Animal Weight	4.5 kg (10 lb)	4.5 kg (10 lb)	4.5 kg (10 lb)	4.5 kg (10 lb)
Flowmeter	0.1 to 4 LPM	0.1 to 4 LPM	0.2 to 2 LPM	0.2 to 2 LPM
Induction	N	Y	N	Y
Number of Animals	1	1	1	1
Scavenging	Passive	Passive	Passive	Passive
Warranty Anesthesia Machine	1 yr	1 yr	1 yr	1 yr
Warranty Vaporizer	3 yr	3 yr	3 yr	3 yr

F/Air Filter Canisters

Easy and economical way to scavenge anesthetic gases. Removes excess (up to 50 g) halogenated gases from the operating room environment.

Learn more about the MiniVac Anesthetic Gas Evacuation Unit. .

Item No.	Description
60-0979	F/Air Filter Canister, pkg. of 1
72-1294	F/Air Filter Canisters, case of 8
75-2045	F/Air Canister Basket Holder



DETAILS

This canister is the sensible answer for the removal of excess halogenated gases from the operating room environment. It can remove 50 grams of pure halogenated anesthetic gases. It is convenient to use and does not require a venting hood. Once used, the canister is then simply disposed of. A connector for tubing is sold separately. The canister is 15.2 cm (6 in) high with a diameter of 8.3 cm (3-1/4 in). Weight of active component is 200 grams.

- Easy and economical way to scavenge anesthetic gases

SPECIFICATIONS

Specifications **60-0979**

Diameter	3.25 in (8.3 cm)
Height	6 in (15.2 cm)

Vaporizer End Caps

End caps are a required accessory for a functional vaporizer. A pair of end caps (male and female) is needed with each vaporizer. End caps fit securely in the vaporizer gas input and output.

Item No.	Description
34-1461	90° Vaporizer End Cap, Female
34-1462	90° Vaporizer End Cap, Male



DETAILS

End caps are a required accessory for a functional vaporizer. A pair of end caps (male and female) is needed with each vaporizer. End caps fit securely in the vaporizer gas input and output. Both male and female end caps are barbed, allowing the researcher to attach tubing to interface them with the rest of their anesthesia set up (whether it is an induction box, nose cone, or other means of delivery).

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

По вопросам продаж и поддержки обращайтесь:

эл.почта: hsw@nt-rt.ru || сайт: <https://harvardapparatus.nt-rt.ru/>