



Product Catalog Sixth Edition Anesthesia Ventilators, Parts and Accessories For All Size Animals



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Hallowell Model 2002^{PRO} Ventilator

Includes a 2 Year Warranty



The Model 2002 became our best-selling ventilator with the addition of a fine volume control valve. Now with the Model 2002^{PRO} we have simplified the Model 2002 with the replacement of the two volume control valve knobs to one volume control valve knob which has the functionality of both. In addition, we have added the previously optional Low Supply Gas Pressure Alarm to the list of standard features. All other parts and accessories for the Model 2002^{PRO} have remained the same.

Also available the Model 2002IE^{PRO}

The single valve turns a total of nine and a half times; the first two and a half turns utilize the slight, minute changes for the pediatric animal patient while the remaining rotations are to be used with the adult and extra large sized bellows and housings.

Low 50 psi Supply Gas Alarm – The Low Supply Gas Alarm is activated when the supply gas pressure drops below 35 psi (2.4 bar). During an alarm condition, the yellow light on the front panel is illuminated and a steady, continuous tone is heard. This alarm automatically resets when the pressure increases above 40 psi (2.7 bar).

Electronic control - Eliminates the substantial driving gas required to operate pneumatically controlled ventilators.

Time cycled - Ensures consistently spaced breaths. The possibility of stacking breaths or auto-PEEP is eliminated by keeping the I:E ratio constant at 1:2. This means that regardless of the respiratory rate, setting two-thirds of the breath will remain for expiration. The respiratory rate is adjustable from 6 - 40 breaths per minute (BPM).

Volume constant - Ensures that each delivered breath will have essentially the same volume, independent of changes in patient compliance and airway resistance. The deliverable tidal volume (TV) range is from approximately 20 cc to 3,000 cc.

Pressure Limited - Provides for patient safety by limiting the maximum working pressure (MWPL) to a user adjustable pressure range of 10 - 60 cm H₂O.

All Hallowell Ventilators are equipped with dual airway pressure alarms that monitor and sound when the Peak Inspiratory Pressure (PIP) of any breath either exceeds the preset Maximum Working Pressure Limit (MWPL) or fails to reach 6 cm H₂O as in the case of a disconnect.

The Model 2002^{PRO} replaces both the Model 2000 and the Model 2002 with the functionality of both units in one machine. Technical Service, Upgrades and Repairs will still be available and continue on the 2000 and 2002 Models.

Model 2002^{PRO} and 2002IE^{PRO} Series Ventilators



000A5765 - Multiflow 2002^{PRO} Anesthesia Ventilator 0-300 ml.

000A5766 - Multiflow 2002^{PRO} Anesthesia Ventilator 300-1600 ml.

000A5767 - Multiflow 2002^{PRO} Anesthesia Ventilator 1600-3000 ml.

000A5768 - Multiflow 2002^{PRO} Anesthesia Ventilator 300-1600ml; also includes 0-300ml attachment.

000A5769 - Multiflow 2002IE^{PRO} Anesthesia Ventilator with Adjustable I:E Ratio 0-300 ml.

000A5770 - Multiflow 2002IE^{PRO} Anesthesia Ventilator with Adjustable I:E Ratio 300-1600 ml.

000A5771 - Multiflow 2002IE^{PRO} Anesthesia Ventilator with Adjustable I:E Ratio 1600-3000 ml.

000A5772 - Multiflow 2002IE^{PRO} Anesthesia Ventilator with Adjustable I:E Ratio 300-1600 ml; also includes 0-300ml attachment.

***IE Ratio Control** - The adjustable inspiratory/expiratory range is from 1:1.5 to 1:4. This option affords the operator more flexibility in dealing with animals that have compromised lung function. However, during anesthesia most patients are lung healthy, and the addition of this control can add to the complexity of setting the ventilator. For example, consider that you have a hypocapnic patient. To bring that patient's CO₂ level to a more normal range, you must decrease the overall gas exchange, the Minute Volume (MV). Without this option, only one knob controls the MV, which is the Volume control. With this option, increasing the I:E ratio would also cause a reduction in MV.

000A2790 - Ventilator Calibration/ Cleaning

After purchasing your new Model 2002^{PRO} Series ventilator keep in mind we do recommend your unit be serviced once a year for cleaning and calibration.

If you are having problems with your Ventilator or would just like routine maintenance performed on it, send it in to us for our Calibration & Cleaning Service. Our knowledgeable technicians will service your machine to like new condition. Please call us at (413) 445-4263 or visit our website to put in a return authorization request before sending your machine back. We will ask you a few simple questions and then issue you a Return Authorization number.

Hallowell EMC Loaner Program

This program is designed for our established customers who are in need of a ventilator for a short period of time while their unit is in for repair or service. Program documents available upon request.

Model 2002^{PRO} and 2002IE^{PRO} Series Ventilators

000A6560 -2002^{PRO} Anesthesia Ventilator Mobile Module



Includes 000A5768 Model 2002^{PRO} 300-1600ml with 0-300ml Attachment, Pedestal Stand, Mayo Tray, IV Pole Attachment, O₂ DISS Dual Interface Attachment, Basket Attachment and Power Strip Assembly.

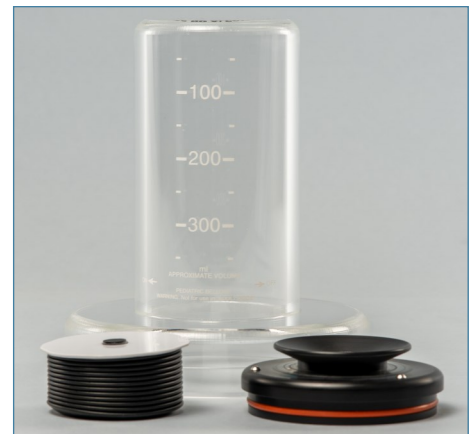
Can also be ordered with 000A5772 Model 2002IE^{PRO}

This mobile module kit will save you hundreds of dollars!



Included Parts & Components

- 000A5768—2002^{PRO} Ventilator
(includes both 0-300ml and 300-1600ml bellows and housings)
- 000A0076—Pedestal Stand
- 000A6179—Mayo Tray
- 000A6185—IV Pole Attachment
- 000A6190—Basket Attachment
- 000A6192— O₂ DISS Dual Interface Attachment
- 000A6193—Power Strip Attachment



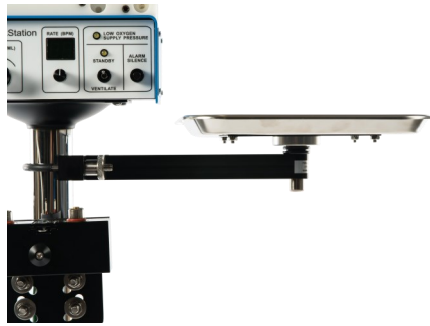
All items also available individually
See also our Anesthesia Workstation Mobile Module on Page 25
Stands and Accessories on Following Page

Pedestal Stand Attachments

Featuring Tool Free Installation

Our NEW tool free design makes installation a snap with the comfortable knurled hand-tights. The tool free design allows these units to be just as easily removed, adjusted, and relocated by simply undoing the knurled knobs. Units come with easy to read instructions.

Convenient design allows multiple attachment configuration options. Fits 1-3/4" diameter column pedestals. Mounting can be customized to other sized columns and square posts.



000A0076—Five Leg 40" Stand with Casters

000A6179 – Mayo Instrument Side Tray, 13-5/8" x 9-3/4" x 5/8"

000A6185 – IV Pole Attachment

(Includes a rolling stand to use as a stand-alone unit without pedestal)

000A6186 – E-Cylinder Tank Attachment

000A6189 – Basket Attachment #1, 10.5" x 5" x 13"

000A6190 – Basket Attachment #2, 9" x 6" x 11.5"

000A6191 – Basket Attachment #3, BP Cuff

000A6192 – O₂ DISS Dual Interface Attachment

(Custom gas interfaces can be made)

000A6193 – Power Strip Attachment

(Hospital Grade, 4 outlet w/15' Cord, 15Amp)

000A6541—ICU Non-Rebreathing Module

Produced during Covid pandemic research and development, this unit is a game changer for ICU care!
 Converts your Pro Series anesthesia ventilator into an ICU respirator. Mounts conveniently under the vent.

A must have for every facility that uses a HEMC Pro Series Model ventilator.

No anesthesia machine needed.



Module shown with 2002^{Pro} Model ventilator, sold separately



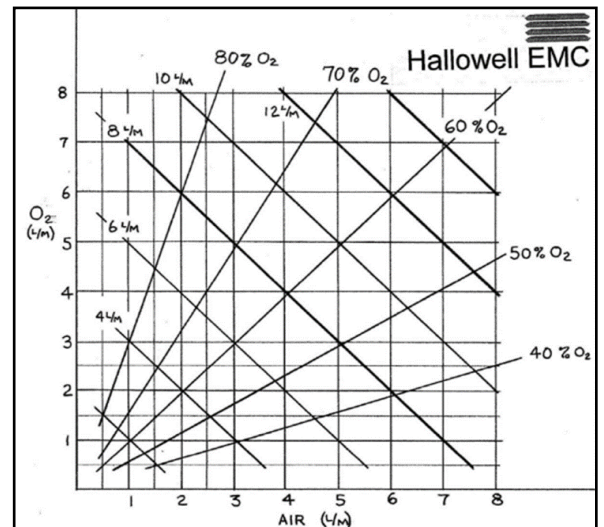
Panel Gauges show Air and O₂ psi from supply hoses.



The module easily attaches to a pedestal stand for better mobility.

Comes with FiO₂ Approximation Guide & O₂ Blending Nomogram Card

- ◇ Equal flows yields about 60% O₂
- ◇ 3 times Air as O₂ yields ~ 40% O₂
- ◇ 3 times O₂ as Air yields ~ 80% O₂



Included with Purchase:

- 000A0489 - DISS O₂ Supply Hose, FxF 4ft Grn
- 000A2420B - Airway Press. Sampling Tee Assy
- 000A5267 - DISS O₂ Supply Hose, FxF 18 in. Grn
- 000A6546 - DISS Air x O₂ Supply Hose, F x F 4ft. Ylw
- 150A6016 - O₂, DISS F x 1/4" MNPT x 3/4" L, 90° Elbow
- 240A1455 - Humidifier Bubbler, Refillable
- 240A1457 - Exhalation Valve
- 150A1691 - O₂, DISS HT F Inlet x DISS Demand Outlets Y-Block (Grn)
- 200A2682 - Wye, Parallel 22mmOD x 22mmOD x 22mmOD/15mmID
- 202A2895 - Tube, gray BS w/cuffs 22mm x 36"
- 202A2896 - Tube, gray BS w/cuffs 22mm x 48" (2)

000A6558

MRI Ventilator Conversion Kit w/O₂ DISS Inline Pressure Gauge



Introducing the new Hallowell MRI Conversion Kit.

This unit easily adapts to your existing HEMC Pro Series Model ventilators. Along with an updated design, the kit comes with 25' of extension tubing to reach your MRI environment, and the side mount panel has an O₂ pressure gauge that will allow the input supply gas to be monitored at the unit.



This kit is designed for easy installation to your existing ventilator. Simply remove the left side instruction panel from the unit. Using the 4 screws removed, mount the gauge panel.



Full hook-up instructions available with purchased unit or in our Document Library at www.hallowell.com



Comes with optional use rubber feet for base bottom. Useful if the unit is not secured to an anesthesia machine.

This kit can also be purchased with a new ventilator.
The assembly will be ready out of the box.

Model 2000/2002/2002^{PRO} Options and Accessories

Upgrades & Modifications

000A3017A – Upgrade Modification 2000/2002 to a 2002^{PRO}

A single multiturn flow valve will replace the current coarse and fine flow valves of the Model 2000 and Model 2002 ventilators. The feature of the multiturn valve controls the fine and coarse adjustments that can regulate the inspiratory flow from ~0 to 100 lpm. The VOLUME control knob divides 100 liters/minute of drive gas into 9-1/2 turns of the valve.

This option is particularly useful in making small changes to any VOLUME adjustment, as it provides increased resolution making volume adjustment much easier and precise with small dogs and cats.

UNAA0979 - Modification of Model 2000/2002/2002^{PRO} Add Adjustable I:E Ratio

Available on all Model 2000, 2002 and 2002^{PRO} is the option of having an adjustable I:E Ratio control. Normally, without this option, the I:E Ratio is fixed at 1:2; that is, 1/3 of the period of each breath is inspiration and 2/3 of each breath is exhalation. Regardless of the respiratory rate, the patient will always have 2/3 of the cycle to exhale.

The adjustable range is from 1:1.5 to 1:4. This option affords the operator more flexibility in dealing with animals that have compromised lung function, but during anesthesia most patients are lung healthy, and the addition of this control can add to the complexity of setting the ventilator. For example, consider that you have a hypocapnic patient. To bring that patient's CO₂ level to a more normal range, you must decrease the overall gas exchange, the Minute Volume (MV). Without this option, only one knob controls the MV, which is the Volume control. With this option, however, increasing the I:E ratio would also cause a reduction in MV.

000A2425A - Low 50psi Supply Gas Pressure Alarm (Option) (All Model 2002^{PRO} and Model 2002IE^{PRO} Series units have this as a standard feature)

This alarm is an option for all versions of Model 2000 and 2002 Ventilators. It was not a standard feature because many facilities have central alarm systems on their oxygen supplies. If however you do not have a central alarm, use oxygen from small bottles, or use another gas as driving gas, this may be a beneficial option for your facility. When the supply pressure drops to below 35 psi, the alarm light is illuminated and the ventilator emits a steady continuous tone, signaling the point at which the output of the ventilator will begin to drop proportionally to the supply pressure.

000A2790 - Ventilator Calibration/ Cleaning

We recommend your unit be serviced once a year for cleaning and calibration.

If you are having problems with your Ventilator or would just like routine maintenance performed on it, send it in to us for our Calibration & Cleaning Service. Our knowledgeable technicians will service your machine to like new condition. Please call us at (413) 445-4263 or visit our website to put in a return authorization request before sending your machine back. We will ask you a few simple questions and then issue you a Return Authorization number.

Hallowell EMC Loaner Program

This program is designed for our established customers who are in need of a ventilator for a short period of time while their unit is in for repair or service. Program documents available upon request.

Model 2000/2002/2002^{PRO} Options and Accessories



000A4632A – Remote Inspiratory Hold Push Button Installation Kit*

Useful for CT or X-ray machines. The remote inspiratory hold button allows the breathing cycle hold function to be initiated by the operator at a distance (up to 30ft) from the ventilator.

***This added option would consist of returning the controller portion of the ventilator for modification to accommodate the remote switch.**

Also can be ordered with the purchase of a new machine.

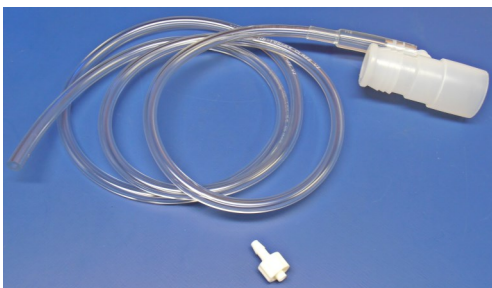


000A4632C – Remote Inspiratory Hold Push Button with O₂ Flow Interruption Installation Kit*

Useful in MRI, CT or X-ray machines. The remote inspiratory hold button allows the breathing cycle hold function to be initiated by the operator at a distance (up to 30ft) from the ventilator. The O₂ flow interrupter stops the flow from the anesthesia machine at the same time as the hold. For MRI installation, see the document entitled "Installation of a Hallowell Ventilator in an MRI Environment with an MRI Compatible Anesthesia Machine".

***This added option would consist of returning the controller portion of the ventilator for modification to accommodate the remote switch.**

Also can be ordered with the purchase of a new machine.



000A2420B

Airway Pressure Sampling Tee with Tubing

This device connects the patient side of the Inspiratory valve of your anesthesia machine to the "Pressure Transducer" port on the back of your ventilator. The ventilator monitors the breathing system pressure from this line to watch for two alarm conditions: a low breathing system pressure and a breathing system pressure that equals or exceeds the maximum working pressure limit setting (MWPL).

Model 2000/2002/2002^{PRO} Bellows and Housings



000A0481 – 0-300mL Attachment

Our 0-300mL pediatric ventilator attachment is compatible with all of our Model 2000/2002/2002^{PRO} Ventilator Systems.

Essential for ventilating cats, small dogs, and any other patient under 30 pounds (13.5kgs), it includes a pediatric bellow (000A0487A), a 0-300mL bellows adapter (000A0486), and a 0-300mL acrylic bellows housing (200A2288). All items also available individually.



200A2288 – Bellows Housing, 0-300mL

Bellows

All bellows are made of a non-latex material. Bellows can be used as replacements for those used on the Fraser-Harlake 701, Penlon AV500 and 600, and the Ohmeda 7000. The housing can be used as a replacement for the AV 500 ventilators.



000A0487A – Bellow 0-300 mL

For patients up to 30 lbs/13.5kg

000A0488A – Bellow 300-1600 mL

For patients from 25-220 lbs/11.5-100kg

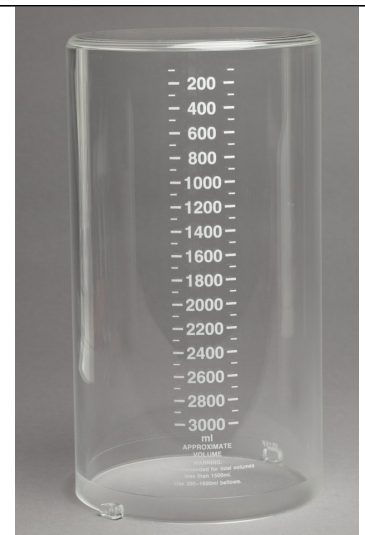
000A1866 – Bellow 1600-3000 mL

For patients from 200-440 lbs/90-200kg

Housings



200A2289 – Bellows Housing, 300-1600mL



200A1867 – Bellows Housing, 1600-3000mL

Model 2000/2002/2002^{PRO} Options and Accessories

Ventilator Stands and Mounting Options



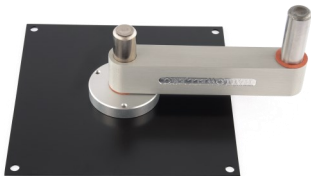
000A0076 - Stand, 5 leg, 40" (1016mm) with Casters for Permanent Mounting

This stand has a mounting plate on the top of the column. To mount the ventilator onto the plate remove the 4 rubber feet from the bottom of the ventilator with a Phillips Head screwdriver. Place the ventilator on the plate and screw the feet back on. Should you decide later you would rather place the ventilator elsewhere, you will still have the 4 rubber feet for table top use. Chrome pole, black mounting plate and pedestal stand with casters. Will accommodate both our Model 2002^{PRO} Series or the Anesthesia WorkStation.



210A5193A – HEMC Pole Mount Bracket, 2" Diameter

This bracket can be used in conjunction with most rolling stand and anesthesia machine poles. The bracket attaches to the pole with a U-Bolt and the tool free hand tightens are fastened to ensure a tight fit. This item is meant to be used in conjunction with 000A1868 or 000A0899. The hole in the bracket will accept either of the pins on the items, keeping your operating suite tidy and conveniently mobile.



000A0899 - Mounting Plate Assembly with Arm, VMC/VMS

Includes Mounting Plate (000A1868) and Mounting Arm (220A0083). Permits attachment of the ventilator directly to the Matrix VMC. Mounting Arm Extension (220A0897) is also required for use with a VMS. Mounting Plate also sold separately, see below.



000A1868 – Mounting Plate

Compatible with both 2002 series and AWS Ventilators.

2000/2002/2002^{PRO} Options and Accessories Cont.

Ventilator Stands and Mounting Options



000A6200—Articulating Wall Mount for Ventilator

An easy way to help save space in your operating environment!

Compatible with all Hollowell Model 2000, 2002, 2002^{PRO} series, Anesthesia WorkStation and MATRX ventilators. Identical mounting system as our stands - remove ventilator feet, place on plate, return feet to place and tighten.



Vaporizer Pole Mounting Brackets

210A4839 - Vaporizer Mounting Bracket for 1" Diameter Pole

210A3314 - Vaporizer Mounting Bracket for 1-3/4" Diameter Pole

210A4838 - Vaporizer Mounting Bracket for 2" Diameter Pole

220A0083 - Mounting Arm

Permits attachment of the ventilator directly to the Matrix VMC. Must be used with Mounting Arm Extension (220A0897) for the VMS.



220A0897 - Mounting Arm Extension VMS

The Mounting Arm Extension is designed to facilitate mounting our ventilator on the Matrix VMS anesthesia machine. It has two holes, one on each end, that are 5/8". The holes are 7 inches apart. The material is anodized aluminum.



000A3397 - Mounting Kit for VMS Plus

Used when the ventilator sits on top of a shelf far from the bag connection. The screws are to fix the ventilator down so it does not fall off the shelf; the elbow goes on the back of the ventilator breathing system connection and points towards the floor. The tube is 48" instead of 36" and goes from the elbow to the bag connection.

Replacement Parts and Accessories—Model 2002^{PRO}



000A0510 – Bellows Base Assembly



000A0485 – Pop-Off Valve



000A0486—Bellows Adapter, 0-300ml

For additional parts, accessories and information please visit the product page on our website.



110A1118—Power Cord,
IEC 320 USA
(Also fits our AWS)



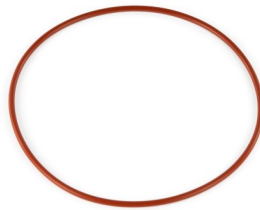
210A2343—Thumbscrews for
Pop-Off Valve (3 Pack)



210A2344—Thumbscrews for
Bellows Base (4 Pack)



230A2493A
Parker Super-O-Lube
.5 Ounce Tube



180A1417 - O-Ring,
Base to Housing

180A1418 - O-Ring,
Bellows adapter

180A1429 - O-Ring,
Base to Pop-off valve



000A6557—Ventilator Accessory Kit

**Any internal service to your ventilator should be performed by an authorized dealer or by Hallowell.*

Removing the controller cover and breaking the seal may void your warranty.

Gas Supply Hoses and Fittings

All listed Demand Wyes have one DISS female hand-tight nut and two DISS male demand valves. The demand valves remain closed until a mated fitting is attached. When the mating fitting is connected the valve opens permitting bidirectional flow.



150A1692 – White DISS O₂ Demand Wye
150A1691 – Green DISS O₂ Demand Wye

150A2956 – White DISS O₂ Demand Wye 90°
150A2951 – Green DISS O₂ Demand Wye 90°

Also available in ISO and all quick connect styles

Typical usage:

This part may be needed to provide a 50psi oxygen source for the ventilator if your anesthesia machine does not have a power-take-off, a 50psi oxygen outlet. To install the Demand Wye:

1. Turn off the oxygen supply to the anesthesia machine.
2. Remove the oxygen supply hose at the back of the anesthesia machine.
3. Check to see that the connection on the back of the anesthesia machine is a DISS O₂ male connection.
4. Connect the hand tight fitting of the Demand Wye to the anesthesia machine.
5. Reconnect the oxygen supply hose.

The system is now resorted to its original integrity with the addition of an available source of oxygen for the ventilator. The next step would be to connect an oxygen hose between the remaining male connection on the wye and the ventilator. Hallowell EMC provides Parts 000A0489 and 000A0490 for this purpose, custom hose assemblies are also available.

Supply Hoses

These hoses are used to connect the ventilator to the O₂ power outlet of your anesthesia machine or Demand Wye. Custom lengths are available.

000A0490 - White DISS O₂ Supply Hose
FxF Hand Tight 4' (1220 mm)

000A0489 – Green DISS O₂ Supply Hose
FxF Hand Tight 4' (1220 mm)



Other Supply Hose Variations

000A2768 – Green DISS O₂ Supply Hose
FxF Hand Tight 6' (1830mm)

000A2768A – Green DISS O₂ Supply Hose
FxF Hand Tight 10' (3048mm)

000A5249 – White DISS O₂ Supply Hose
FxF Hand Tight 6' (1830mm)

000A5249A – White DISS O₂ Supply Hose
FxF Hand Tight 10' (3048mm)

000A5251 – Green DISS O₂ Custom Length

000A5250 – White DISS O₂ Custom Length

Gas Supply Hoses and Fittings, Cont.

Extension Blocks, O₂, DISS Hand-Tight Female Inlet x DISS Demand Outlets



150A5679—45 Degree
Extension Block



150A5678—90 Degree
Extension Block



150A5680—Extension Block

Most Medical Gas Fitting Products can be special ordered to reflect the gas source in operation. The available products and ordering variations are listed in our Medical Gas Fittings Product Catalog, which can be found in our document library page at www.hallowell.com/document-library/



000A6544—O₂ DISS
Inline Pressure
Gauge Assembly



000A6557—Ventilator
Accessory Kit
(Included with all new 2002PRO
purchases)



000A6192 - O₂ DISS Pole
Mount Interface



Our Medical Gas Fittings Catalog includes a wide variety of DISS, Schrader, Puritan, Chemetron, and Ohmeda:

- Quick Connects
- Demand Valves
- Adaptors
- Check Valves
- Pipe Thread Fittings
- Many Other Options Available!

Custom Hose Assemblies



















We are able to create a custom hose to specifically fit your needs.

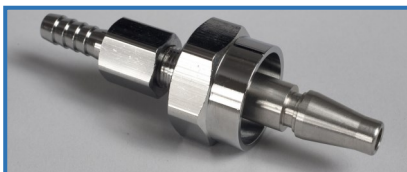
Please call with any questions you have or send an e-mail to: info@hallowell.com

Color-coding is used as a gas identifier worldwide for medical gas fittings and connectors.

The following chart shows the USA standards on the left and International standards on the right.

Quick connects, female couplers, USA and ISO color-coding available!

	USA	ISO
Carbon Dioxide	 Grey	 Grey
He-O₂	 Brown and Green	 Brown and White
Medical Air	 Yellow	 Black and White
Nitrogen	 Black	 Black
Nitrous Oxide	 Blue	 Blue
O₂-He	 Green and Brown	 White and Brown
Oxygen	 Green	 White
Vacuum (Suction)	 White	 Yellow
WAGD (EVAC)	 Purple	 Purple



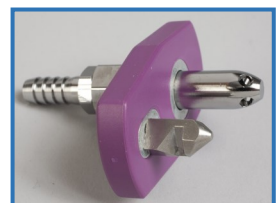
Schrader



Ohmeda



Puritan



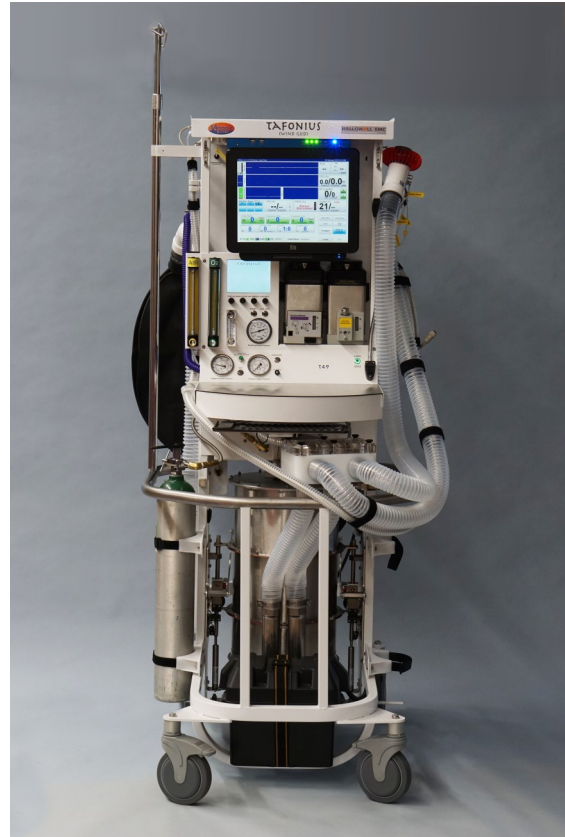
Chemetron

TAFONIUS

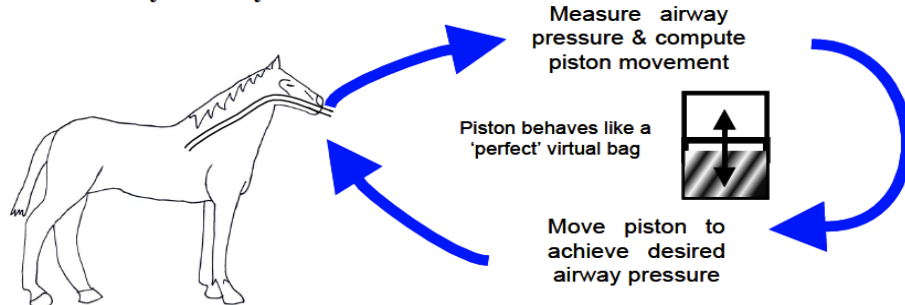
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For more information on Tafonius, Tafonius Junior, Options and Accessories, please see our Tafonius Catalog online at <https://hallowell.com/document-library/>

TAFONIUS does not use any pressurized gas to drive the ventilator. Instead, a precision motor system controls piston movement. This results in silent operation, reduced running costs, and precise control. The advanced motor system and motor control means that the piston can behave like a virtual bag during spontaneous ventilation and during the expiratory phase of controlled ventilation. Also, any part of the respiratory cycle can be executed as a series of phases of varying lengths. Any phase can have a resolution of less than 1/100th second. During normal IPPV, for example, only one phase is used during inspiration and it lasts the full length of inspiration. During expiration, multiple phases are used each one lasting 5ms (200 times per second). In each of these phases, airway pressure is measured and the piston moved accordingly. Not only does this system provide very smooth control of breathing but allows the implementation of an Airway Servo System to control patient airway pressure.



TAFONIUS: Airway Servo system



If the Servo Airway pressure is set to 0 cm H₂O then the patient experiences no resistance to breathing out, significantly reducing the work of breathing. To the patient it feels like exhaling to ambient with no machine attached. If the Servo Airway pressure is set to 5cm H₂O then the patient experiences 5cm of CPAP or PEEP. With the combination of multiple phases and an Airway Servo System, any pattern of breathing can be designed and implemented. In time, researchers will develop a library of ventilating modes, patterns, sequences and maneuvers that can be used to ventilate your patient. You will no longer need to buy another machine to obtain new features.

TAFONIUS JUNIOR



TAFONIUS JUNIOR has grown out of the demand for a large animal ventilator with the versatility of TAFONIUS, but without the inherent cost of the integrated monitoring.

JUNIOR fulfills that role by using the same controlling technology for the piston control and the same mechanics for piston, valve assembly and soda-lime canister. The footprint of Junior is kept small, and the height is reduced compared to TAFONIUS. JUNIOR still has full battery back-up and only requires oxygen for patient delivery, not as a driving gas. JUNIOR also uses the same auxiliary back-up controller found on TAFONIUS as its primary controller.

We have added the following features to JUNIOR that were not originally on the auxiliary control built into TAFONIUS (These features are now standard on all JUNIOR machines):

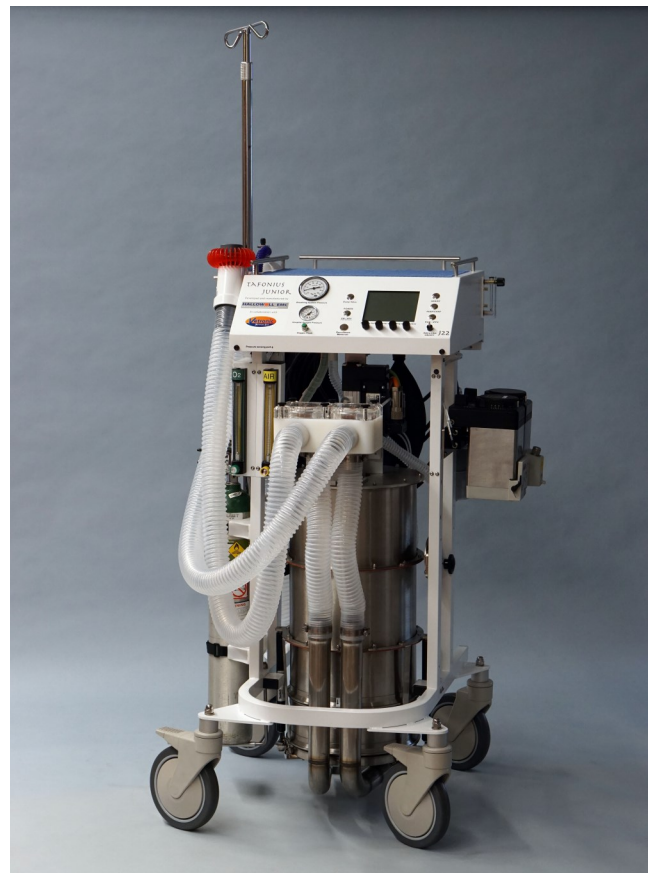
- CPAP or PEEP facility
- A flow-triggered Inspiratory assist mode
- Manual Exhaust valve control

Variants:

- One variant has no anesthetic circuit included and hence no valves or patient tubes. It is “without gas,” and a ventilator only. There is a single tube leading from the piston to your existing large animal anesthetic circuit. In this format, JUNIOR will immediately integrate with your own anesthetic circuit, if you do not already have a ventilator.
- The second variant of JUNIOR is a machine with in-built anesthetic circuit, “with gas”.

Options available for Junior include:

- A second gas
- An E-cylinder mount and regulator – P/N 000A5266B for CGA or 000A5268B for ISO color code
- An IV pole – P/N 000A5246
- VML mounting post – P/N 000A5247



For more information on Tafonius, Tafonius Junior, Options and Accessories, please see our Tafonius Catalog, online at <https://hallowell.com/document-library/>

TAFONIUS Parts & Accessories



ECG Patient 3-Lead Set

112A5181A (Euro)
112A5182A (US)



070A5153—Crocodile Clips

Can be used with our 112A5181A (Euro) & 112A5182A (US) Tafonius ECG 3-Lead Set as replacements. Stainless Steel. Sold individually.



SpO₂ Sensors

134A4500
Genuine Nonin 2000SL Lingual Clip

134A4501
Genuine Nonin 2000T Reflective



Temperature Probes

131A4461—Esophageal/Rectal Auto-clavable - YSI 401AC w/90° Plug, 10' 4" long

131A4462—YSI 401/401AC Compatible, 4mm straight connector, 9'6" long

131A4463—YSI 402/402AC Compatible, 3mm, straight connector, 9'6" long



IV Pole

Includes Mounting Attachment

000A5265A—Tafonius IV Pole

000A5246—Junior IV Pole



000A4621A

Absorber Pan Assembly with Handles



000A3448

Water Trap, Adult, Dryline II



210A3845A

Drain Plug



200A4980

30-liter Black Rubber Breathing Bag

For a more complete listing of Tafonius Accessories, please visit our document library at www.hallowell.com/document-library/ for a PDF of our Tafonius Catalog.

Large Animal Wyes and Components, Vaporizers



220B0332—Wye, 2" Equine with Gas Sampling Port and Bronchodilator Injection Port (Left)



220B0331—Wye, 2" Equine with Gas Sampling Port, Pressure Pickup and Bronchodilator Injection Port (Right)

Additional Tefonius and Large Animal Components and Accessories can be found in our Tefonius Catalog. Please ask us for a copy or visit us online.



000B0300—Set of nine stainless steel endotracheal tubes for large patients. Sizes range from 14mm to 35mm. Also available individually, please see our website for more details.



200A2594C—Wye Bushing Adapter for Hallowell 2" Wye for use with Bivona/Drager SS ET Tube Adapters.



210A6269—Bronchodilator Injection Port Cap
For use on our Equine Wyes.



Vaporizers

000A4072	TEC5	ISO	Well Fill	Select-A-Tec Mount
000A4082	TEC5	ISO	Key Fill	Select-A-Tec Mount
000A4075	TEC5	ISO	Well Fill	Cage Mount*
000A6196	TEC5	ISO	Key Fill	Cage Mount *

Hallowell EMC recommends TEC5 models for their larger sump size (less frequent fills) and the Select-A-Tec mounting system that prevents delivery from both vaporizers at the same time. TEC3 and Sevoflurane models may be available upon request.

*Please note that Cage Mount vaporizers can only be used with **JUNIOR** models.

MicroVent II

000A6554 –MicroVent II Newly Updated



Providing ventilatory support for the smallest animals capable of intubation, our newly redesigned MicroVent II, based upon our MicroVent I design, is even more reliable, runs more efficiently and quietly than it's predecessor! Perfect for mice and laboratory environments!



The **MicroVent II** is a dual mode ventilator. It will operate to deliver standard intermittent positive pressure ventilation (IPPV) or it will operate to deliver high frequency oscillatory ventilation (HFOV). The entire breathing system has a volume of less than 1cc. There are just four parameters to control, **Oxygen flow**, **Frequency** (breaths per minute), **Amplitude** (tidal volume) and Mean Airway Pressure (**Mean P_{aw}**).

The breathing system is also connected to a glass cylinder containing a floating puck, which is set in motion as per the settings for frequency and amplitude. In IPPV mode the frequency selectable ranges from 75 to 240 breaths per minute (BPM). A switch to HFOV mode changes the frequency range to 750 to 2400 "breaths" or more accurately cycles per minute. The "tidal volume" during HFOV is generally an order of magnitude less than it would be during IPPV and is now used to set up an oscillation of the molecules of gas from the breathing system down to the alveoli. This oscillation helps promote the diffusion of the different gases in the system. The animal now only vibrates slightly, gas exchange is accomplished by the diffusion of molecules as motivated by the difference in partial pressure gradients of the different gasses. No longer do you have the gross movement of the respiratory cycle so annoying to the microsurgeon.

Also incorporated into the **MicroVent II** is a system that allows you to connect to either vacuum directly or an active or a passive scavenging system with the flip of a switch.

Microvent I and II Compatible Accessories



000A6745—Microvent Power Supply
Includes 7.5v power supply for MicroVent I or II, AUS, EURO, UK, and US adapters.



200A5573B—Breathing Circuit Hub Replacement



200A3586B—Breathing Circuit Replacement



000A3798—Microvent Vaporizer Bypass Tube

Anesthesia Workstation (AWS)

000A2770 - Anesthesia Workstation (AWS) w/100ml Attachment

000A5653 - Anesthesia Workstation (AWS) w/200ml Attachment



The solution for supplying both anesthetic gas delivery and ventilatory support for pocket pets, avian, exotic and laboratory animal applications in one easy to use package. A compact (9" x 9" x 15"h), portable (15lb.), convenient circle system. *For use on animals under 7kg (15 lbs) or now up to 14kg (30lbs) with the 200ml attachment.*

The AWS has proven itself to be well suited for both short and long-term anesthetic procedures with animals ranging in weight from about 150 grams to 6 or 7 kilograms. In procedures with these small animals, the AWS has been used for mask inductions and the subsequent maintenance of spontaneously breathing masked or intubated patients as well as providing ventilatory support for the intubated patient for minutes or days at a time. Throughout these procedures the AWS, with any precision vaporizer, has been shown to facilitate the administration of gas anesthetics, holding the subject in a very smooth controlled anesthetic plane. This device, with a circle system designed uniquely for small animals, helps cut down on hypothermia problems with its heated ventilator, CO₂ absorber chamber, and the humidified breathing gas delivered to the patient. The AWS is currently being used on many diverse species such as rabbits, turtles, tamarins, woodchucks, crows, Cooper's hawks, various ducks, Canadian geese, snakes, rats, ferrets, owls and even cats and dogs.

The Hallowell EMC Anesthesia WorkStation is easy to use as BOTH a basic respirator (irrespective of anesthetic regimen, gas, or injectable) and delivery source for inhalant anesthetics. It incorporates a time-cycled volume ventilator with an adjustable pressure safety limit. The only additional component necessary for immediate utilization is a vaporizer for the agent of your choice.

The System Includes:

- Oxygen Flow Meter, 0.2 to 1 lpm.
- Oxygen Flush Button, 5 lpm and interlocked with the expiratory phase of the breathing cycle for improved patient safety.
- Connections to and from an anesthetic vaporizer.
- Adjustable High Pressure Limit, 10 - 30 cmH₂O as indicated on the 30 segment airway pressure bar graph.
- High Breathing System Pressure Alarm
- Airway Pressure Manometer in bar graph format, 0 - 30 cmH₂O.
- Low Breathing System Pressure Alarm
- 0 - 200 ml Tidal Volume displacement ventilator tube.
- 300 cc CO₂ absorber.
- Enclosed and heated breathing system chamber.
- Power on/off switch and indicator.
- Volume Control.
- Rate Control, 2 - 80 breaths per minute and large LED display.
- Standby/Ventilate switch and indicator.
- Low Oxygen Supply Pressure Alarm.
- Alarm Silence pushbutton.
- DISS Male Oxygen supply inlet connection.
- 19mm Scavenging port.
- 90/240 Vac, 47/440 Hz operation.
- Circle system tubes with standard 15mm ET tube connection.
- 2.5mm low dead space ET tube adaptor that fits luer catheters.



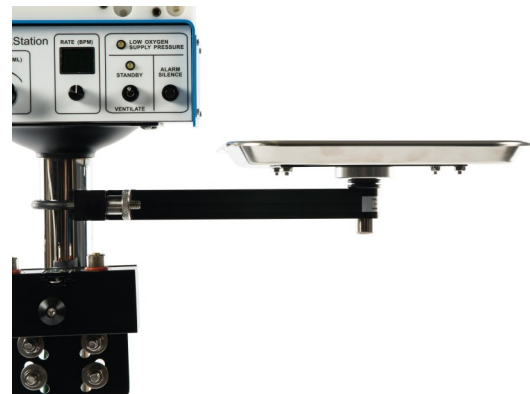
Anesthesia Workstation (AWS) Cont.

000A6559 -Anesthesia Workstation (AWS) Mobile Module (200ml)

Includes 200ml Anesthesia WorkStation, Pedestal Stand, Mayo Tray, E-Cylinder Attachment, BP Cuff Basket Attachment, Power Strip Attachment and Select-A-Tec Single Position Manifold Assembly.

Can be ordered with 000A2770 Anesthesia Workstation (AWS) w/100ml Attachment.

This mobile module kit will save you hundreds of dollars!



Related Part Numbers

- 000A5653—200ml Anesthesia WorkStation
- 000A0076—Pedestal Stand
- 000A6179—Mayo Tray
- 000A6186—E-Cylinder Tank Attachment
- 000A6191—Basket Attachment #3
- 000A6193—Power Strip Attachment
- 000A6553—Select-A-Tec Manifold Assembly

AWS Attachments and Accessories

000A3393—200 ml AWS Attachment

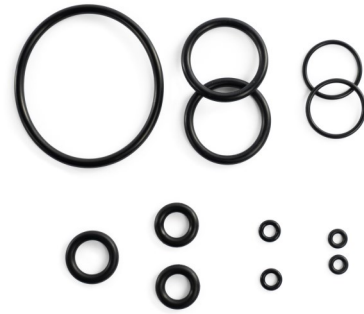


Comes standard with the 000A5653- AWS.

Doubles the maximum tidal volume (TV) deliverable from your AWS. Patients upwards of 30 pounds can now be anesthetized and/or ventilated with the Hallowell EMC Anesthesia WorkStation.

This option has made the AWS the anesthesia machine/ventilator of choice with Ophthalmologists and Criticalists operating on small dogs and cats because it is small, compact, precise, and easy to use.

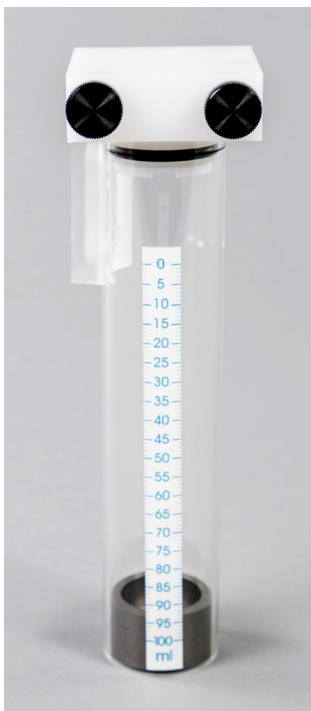
180A3406—AWS O-Ring Replacement Kit



Includes:

- 180A1433 (x1) – O-Ring for the Manifold/Absorber
- 180A1434 (x2) – O-Rings for the Manifold/Vent Tube & Cap
- 180A1436 (x2) – O-Rings for the Valve Covers
- 180A1438 (x2) – O-Rings for the Top Mount
- 180A1439 (x2) – O-Rings for the Absorber Cap Thumbscrews
- 180A1440 (x1) – O-Ring for the Absorber Cap
- 180A3231 (x2) O-Rings for the Vent Cap Thumbscrews

000A5062—100 ml AWS Attachment



Comes standard with the 000A2770 – AWS

Allows for a maximum tidal volume (TV) of 100ml, for patients up to 15 pounds.

220B0126B—AWS Absorber Body Assembly



Holds 300cc of carbon dioxide absorbent material.

The AWS is unique because, when attached to the machine, this Absorber Body Assembly is heated, effectively helping to cut down on hypothermia problems in small animals.

AWS Attachments and Accessories Cont.

000A2777 - Anesthesia WorkStation Accessory Kit



Includes:

- (2) 152A1264 for vaporizer connecting tubes
- (2) 200A2692 AWS Valve Disk
- (1) 210A2845 5/32" Hex Key
- (2) 210A2846 Cotton Swab
- (1) 152A1261 ETTA, 2.5mm x15mm Low Dead Space with Port
- (2) 152A1265 ET Tube Adapter, 8.5 mm x 15 mm
- (2) 201A3364 AWS Breathing System Tube, Clear, 10 mm x 24"
- (1) 220A3264B AWS Wye



AWS Breathing System Circuits

Each comes with one 2.5 x 15mm low dead space with port ETTA, two 8.5 x 15mm ETTAs, an acrylic AWS wye, and two pieces of tubing.

- 000A3400 - AWS Breathing System Circuit 18" (457 mm)
- 000A3401 - AWS Breathing System Circuit 24" (609 mm)
- 000A3402 - AWS Breathing System Circuit 30" (762 mm)
- 000A3403 - AWS Breathing System Circuit 48" (1220 mm)

Endotracheal Tube Connectors & Adapters



- 152A1264 – ET Connector, 6mm (AWS to 1/4" vaporizer tube)
- 152A1289 – ET Connector, 7.5mm (AWS to 5/16" vaporizer tube)
- 152A1265 – ET Connector, 8.5mm (Breathing System tube to AWS)

Shown is the 152A1264



- 152A1261 – Low Dead Space ET Adapter 2.5mm x 15mm with luer sampling port
- 152A1262 – Low Dead Space ET Adapter 3.0mm x 15mm with luer sampling port
- 152A1263 – Low Dead Space ET Adapter 3.5mm x 15mm with luer sampling port

Shown is the 152A1261

000A3404A - Vaporizer/Connector Tube Kit

For use with Cage Mount only.



Rodent WorkStand

000A3467—Rodent, Tilting WorkStand

The Rodent WorkStand has been developed in collaboration with George A. Vogler, D.V.M., DACLAM of Saint Louis University Medical School Department of Comparative Medicine, for the express purpose of facilitating various procedures required of today's laboratory technicians. The Rodent WorkStand is designed to support rats, mice and similar small rodents in a stable and comfortable position for the technician during endotracheal intubation, intratracheal dose instillation, and other similar procedures. 12" wide x 15" deep x 4" high when flat, tilted it is 12" wide x 12" deep x 9 1/2" high. (Flat-30.48cm x 38.1cm x 10.16cm, Tilted- 24.13 cm high)



000A5643—Heated Hard Pad for the Rodent WorkStand



The Heated Hard Pad for the Rodent WorkStand is a 9" x 12" Heated Hard Pad that has been modified to work in conjunction with the Rodent WorkStand and a circulating pump. It may also be used without the WorkStand. Its design gives you the ability to use the heated surface, while still enjoying the benefits of the tilted WorkStand.



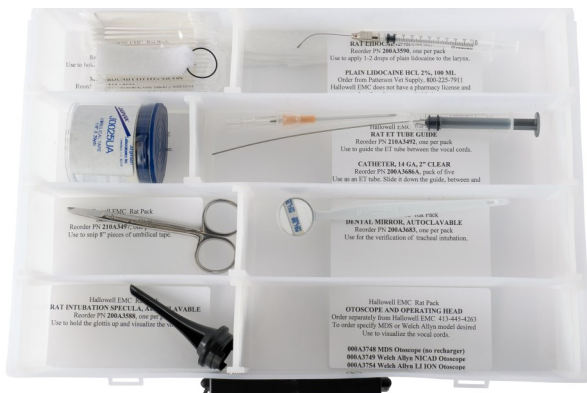
Shown above is the Heated Hard Pad mounted on the Rodent WorkStand, which is not included. To order both as a package, please use number 000A5643.

Intubation Packs

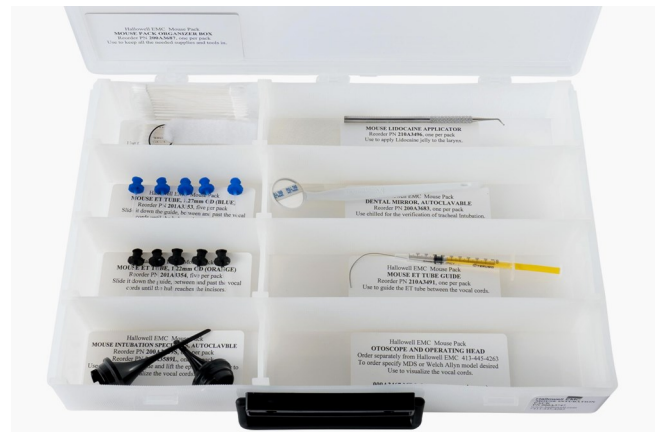
Each pack is designed to hold all the tools and supplies needed to perform quick, efficient, and minimally traumatic orotracheal intubation of small rodents. The Intubation Packs come with a specially designed and molded, autoclavable intubation speculum, a Lidocaine applicator, an endotracheal tube guide wire, an incisor loop and a brief video tutorial of how to perform the intubations.

In addition, the Rat Pack contains scissors, umbilical tape, and a mirror for the verification of tracheal intubation and the Mouse pack includes two sizes of Hallowell's NEW mouse endotracheal tubes. Packaged neatly and conveniently in a 13" x 8" x 2" polypropylene organizer box with each compartment labeled for contents, reordering information, and what the part is used for. It can be stored most anywhere and always be ready for use.

Otoscope and Lidocaine HCL Jelly are not included.
Please note a pharmacy license is required to obtain Lidocaine HCL Jelly.



000A3746—Rat Intubation Pack



000A3747—Mouse Intubation Pack

Please see next page for ordering replacement contents for the Intubation Packs

Replacement Parts for Intubation Packs



200A3687 - Organizer Box

A 13" x 8" x 2" polypropylene organizer box with each compartment labeled for contents, reordering information and what the part is used for. It can be stored most anywhere and always be ready for use.



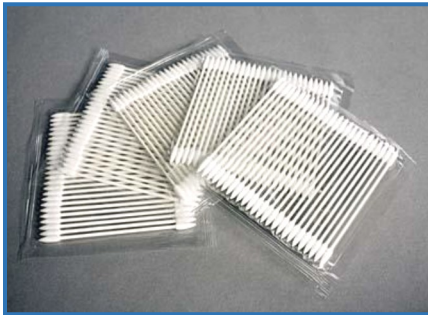
200A3588
Rat Specula (Autoclavable)



200A3589L
Mouse Intubation Specula, Long
(Autoclavable)



200A3589S
Mouse Intubation Specula,
Short (Autoclavable)



210A3832A—Cotton Swab, 5pks
25 Total pcs.



210A3490A – Incisor Loop
(Pack of 5)



200A3686A – Rat ET Tube, 5pk
14GA Clear Catheters



210A3496 – Mouse Lidocaine
Applicator



210A3491 – Mouse ET
Tube Introducer



210A3492 – Rat ET
Tube Introducer



200A3683 – Mirror for
Intubation Verification



210A3488 – Umbilical Tape



210A3497 – Scissor

Otosopes & Replacement Parts



000A3754

Otoscope, WA Li-Ion
Handle w/ Operating Head
& Universal USB Charger



000A3749

Otoscope, WA NiCAD
Handle w/ Operating Head
& Integral US Charger



000A6545

Otoscope Kit,
MDS Veterinary,
w/Operating Head

Replacement Parts



055A3892

055A3892—AC Adapter, LI-ION, WA



055A3904

055A3895—Otoscope Handle, NiCad, USA

055A3899—Otoscope Li-Ion handle w/o charger

055A3904—C-Cell Battery Ring Converter, WA

055A6053—USB Charger w/Stand, LI-ION, WA

060A1084—Otoscope Head, 3.5v w/o Specula

100A0843—Battery, Ni-Cad 3.5v, Orange, WA



055A6053



055A3895



055A3899



100A0843



060A1084

All otoscope kits are supplied with HEMC speculas shown below



200A3588

Rat Intubation Specula,
Autoclavable



200A3589S

Short Mouse Intubation Specula,
Autoclavable



200A3589L

Mouse Intubation Specula,
Autoclavable

Heated Hard Pads and Accessories



000A4076A - Heated Hard Pad,
6" W x 8" D
(152mm x 203mm)

000A2789B - Heated Hard Pad,
9" W x 12" D
(288mm x 304mm)

000A2788B - Heated Hard Pad,
15" W x 24" D
(381mm x 609mm)

000A2787B - Heated Hard Pad,
21" W x 24" D
(533 x 609mm)

**Connects to Adroit, Gaymar, Hamilton, or any other pump you may already own.
Durable polycarbonate construction. Claw, bite, scalpel, needle, and towel clamp proof.
Smooth Surfaces are easy to clean helping to prevent nosocomial infection.**

Heat Therapy Hard Pad Connections

Each size of the HALLOWELL Heat Therapy Hard Pads (HHP) come equipped with COLDER type connectors, the hard pads self seal upon disconnection. When any of the Heated Hard Pads are purchased with the ADROIT Model HTP-1500 Pump (000A4084) the pump connectors are modified to COLDER Connectors prior to shipment.

In specific cases where HHP's are ordered to be utilized with an existing pump, or the pump will be purchased separately, adapter kits are available.



000A4083—Hard Pad Replacement Connector Kit

Also Available:

154A3417—Female HHP Colder Shutoff Connector
(Pictured, left)

154A3418—Male HHP Colder Shutoff Connector
(Pictured, right)



000A4629—HTP-1500 Adapter Kit



000A4637—Gaymar Pump Adapter Kit

Pumps and Heated Pads

000A4084—Heat Therapy (water) HTP-1500 Pump



The HTP-1500 is the safest and most accurate localized heat therapy system available. Its bright and easy-to-read display provides continuous real-time temperature readings. The digital controller uses proprietary software to manage your prescribed set-point temperature to within one-degree Fahrenheit. Three temperature safety limits guard against the possibility of overheating and the Hi Limit Switches can be tested without taking the unit apart. The HTP-1500 is also Mercury Free. It uses distilled water. HTP-1500 is also directly compatible with the Hallowell Heated Hard Pad.



000A5270 – Circulating Pump Extension Kit, 25'

This item allows a longer range of use for your Heat Therapy Pump. It also includes two each of 154A3417 and 154A3418, female and male colder shutoff connectors. The tubing is paired together using double clamps. Also, available in 5' increments over the 25' length.

Flexible, Reusable Heating Pads

These reusable pads are the perfect solution for veterinary warming. Available in 4 sizes, the pads fit table-tops, surgery tables and in kennel cages. The pads are made to fit Adroit HTP-1500 pumps, but adapters are available should you have a different pump. Pads may be used directly against the skin or covered with pillow cases or light-weight fabric for added protection against damage.



-----Heat Pads-----

- 000A3453 – 16" x 20"
- 000A3454 – 20" x 29"
- 000A3455 – 20" x 44"
- 000A3456 – 20" x 57"





Vacuum/Scavenging Interface

All vacuum scavenging interfaces are customized and require input from you before we can process your order. For more information and to fill out a custom order RFQ, please visit the product pages on our website.



This is the only scavenging interface system available with a backup, alternative method of scavenging. A newly designed vacuum/scavenging interface with scavenging redundancy.

In the event of vacuum system failure, the anesthetics (not N₂O) in the waste gases are filtered by activated charcoal prior to exhausting into the room and the reservoir bag will not over distend.

No valves or the problems associated with moving parts. Scavenging flow is easily and precisely controllable between 1 and 10 lpm - visually verifiable at any time.

Scavenging connections designed to accommodate both 19 and 22mm tubes. No more searching for adapters or white tape.

Extremely compact. Wall mount, pole mount, post mount, wall outlet mount, and ceiling drop mount configurations are available with any standard suction (vacuum) or EVAC connection, i.e., DISS, Ohio, Chemtron, Schrader or Puritan style quick connects and hose barbs.

Please visit our website under Products > Vacuum Scavenging Systems for more information.

Available Vacuum Scavenging Interface Systems

000A5762A—Wall Mount



The flowmeter connection for the Wall Mount consists of a swivel barb, in order to easily orientate in the needed direction. This can be connected to an existing hose or an added hose made to length with a chosen Vacuum Source connector.

000A5634A —Wall Outlet Mount



The flowmeter connection for the Wall Outlet Mount will be determined by the outlet gas supply fitting. The unit will have a 2" nipple and a connector attaching straight to the wall plate.

The color hose selected on any vacuum scavenging system should correspond with the type of Vacuum Source it will be connected to. The selected hose color should then be matched with the proper color VAC or EVAC connector chosen.



Vacuum/Scavenging Interface, Cont.

Available Vacuum Scavenging Interface Systems

000A5631A—Round/Square Pole Mount



The flowmeter connection for the round/square pole mount consists of a 45-degree chrome elbow with a 1/4" ID chrome hose barb, which can be connected to an existing hose or an added hose made to length with a chosen vacuum source connector. The clamp is a universal adjusting clamp adaptable to round poles 1-1/4" to 2" OD or 1" to 1-1/2" square poles. The F/Air cannister will self-thread to the end of the unit, holding it in place.

000A5633A—Ceiling Drop Mount



The flowmeter connection for the Ceiling Drop Mount consists of a 90 degree chrome elbow with the orientation pointing up. This can be connected to an existing hose or an added hose made to length with a chosen Vacuum Source connector.

Vacuum Scavenging Accessories (Each included in initial purchase of interface)



201A3367 – Tube, Scavenger 19mm Purple 12" Segments, 10' Long



240A1450 – f/Air Canister



200A3510 – Bag, 2 liter EVAC

For customization questions, please visit our website or call (413) 445-4263

Adjustable PEEP Valve w/Exhaust Port, Range 5-20cm H₂O, Disposable 000A6556

WARNING: This product must only be used on the expiratory side of the patient circuit when used in anesthesia or respiratory applications. This product should only be used by persons who are properly trained in CPR.

Possible side effects of PEEP may include: fluid retention, pneumothorax, gastric distention, and a decreased cardiac output in patients who are hypovolemic. At all times, the risk/benefits ration must be considered before using PEEP therapy on any patient. Discontinue use of PEEP if any complications occur during administration. Always monitor pressures during administration of PEEP.

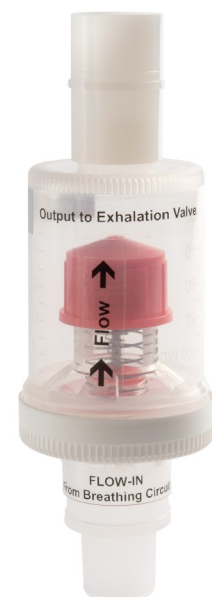


Instructions:

- To adjust PEEP (Positive End Expiratory Pressure), first remove twist-off housing from Peep Valve.
- Twist the red screw cap to desired PEEP setting.
- Replace the twist-off housing back onto the Peep-Valve.
- Attach the 22mm female connector to the “Output” end of the unit.
- See picture on left for positioning. Attach in-line between the Flow-In from the Breathing Circuit and the Exhalation Valve.
- Check to make sure gas flow follows arrows.

This Disposable PEEP is for Single Patient Use and is intended for the Expiratory Side of the Patient Circuit.

- Easy to adjust PEEP: 5 - 20 cm H₂O
- Design comes with a screw on chamber for the capability of exhaust (22mm connection)
- Designed to provide unique resistance characteristics when used with manual resuscitators, ventilators, anesthesia machines (where specified by the manufacturer) and CPAP systems
- Can be fitted directly to the patient valve of any original Ambu resuscitator without additional connectors
- MR conditional up to 3 Tesla
- Peep Valve has 30mm connection (22mm adapter supplied)
- Use with Hallowell Part #200A3025 Connector, 22mm F x 22mm F



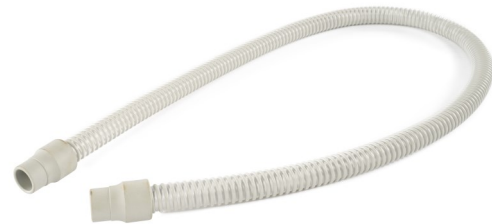
Breathing System Tubing—Small Animal

Clear, lightweight construction. Flexible yet low compliance. Kink free. Permits visual detection of condensation, mucous or blood in the lines. Drain well and dry quickly.



22 mm Tubing Compatible with our 2002 PRO Series Ventilators

- 201A1615** - Breathing System Tubing, Clear 22mm x 36 inches (915mm)
- 201A1616** - Breathing System Tubing, Clear 22mm x 48 inches (1220mm)
- 201A1617** - Breathing System Tubing, Clear 22mm x 60 inches (1524mm)



22 mm Gray Cuffed Tubing

- 202A2895** - Breathing System Tubing, Gray with cuffs, 22mm x 36 inches
- 202A2896** - Breathing System Tubing, Gray with cuffs, 22mm x 48 inches
- 202A2897** - Breathing System Tubing, Gray with cuffs, 22mm x 60 inches

10 mm Diameter Tubing (Anesthesia WorkStation)

- 201A3363** - Anesthesia WorkStation Breathing System Tubing, Clear 10mm x 18 inches (457mm)
- 201A3364** - Anesthesia WorkStation Breathing System Tubing, Clear 10mm x 24 inches (609mm)
- 201A3365** - Anesthesia WorkStation Breathing System Tubing, Clear 10mm x 30 inches (762mm)
- 201A3366** - Anesthesia WorkStation Breathing System Tubing, Clear 10mm x 48 inches (1220mm)

AWS Breathing System Circuits

Each comes with one 2.5 x 15mm low dead space with port ETTA, two 8.5 x 15mm ETTAs, an acrylic AWS wye, and two pieces of tubing.

- 000A3400 - AWS Breathing System Circuit 18" (457 mm)
- 000A3401 - AWS Breathing System Circuit 24" (609 mm)
- 000A3402 - AWS Breathing System Circuit 30" (762 mm)
- 000A3403 - AWS Breathing System Circuit 48" (1220 mm)

(For picture, see page 25)

Miscellaneous Tubing & Parts



200A3707 – Tee 22mm
Male x Female x Female
Run Tee



000A2420B - Airway Pressure Sampling
Tee with Tubing (2002^{PRO})
Connects the breathing system pressure to our Model 2002^{PRO} Ventilators enabling the high pressure limit and low breathing system pressure alarms.



000A0495 – Drive Gas Tube
Model 2000, 2002
& 2002^{PRO}

Breathing System Tubing—Large Animal

*Clear, lightweight construction.
Flexible yet low compliance. Kink free.
Permits visual detection of condensation,
mucous or blood in the lines.
Drain well and dry quickly.*



Clear 2" Breathing System Tubing

- 201A3372**—Clear 2 inches x 20 inches (50mm x 508mm)
- 201A3371** - Clear 2 inches x 40 inches (50mm x 1000mm)
- 201A1618** - Clear 2 inches x 60 inches (50mm x 1525mm)
- 201A1619** - Clear 2 inches x 78 inches (50mm x 1982mm)
- 201A4313** - Clear 2 inches x 120 inches (50mm x 3048mm)



Clear Cuffed 2" Breathing System Tubing

- 201A4321**—2" x 20" (50mm x 508mm)
- 201A4322**—2" x 60" (50mm x 1525mm)
- 201A4323**—2" x 78" (50mm x 1982mm)
- 201A4324**—2" x 120" (50mm x 3048mm)

**Please note 120" tube lengths will be constructed of (2) 60" pieces of tubing coupled together with an MRI compatible coupler.*



200A4439A—2" Stainless Steel Coupling for Breathing System
200A4439—2" MRI Compatible Coupling for Breathing System



200A4983
Equine Wye Test
Cap



000A4640—Foal Breathing System (22mm)
for Tafonius/Junior with Gas

How to Contact Us

Sales

sales@hallowell.com
(413) 445-4263 Option 1

Ventilator Troubleshooting

troubleshooting@hallowell.com
(413) 445-4263
Follow prompts for your particular model

Customer Service

customerservice@hallowell.com
(413) 445-4263 Option 1 or ext 113

Questions & Information

info@hallowell.com
(413) 445-4263 Option 1

Help on the Web

www.hallowell.com

Documents, Manuals, Catalogs: <https://hallowell.com/document-library/>

Products: <https://hallowell.com/products/>

Return Authorizations: <https://hallowell.com/return-instructions/>

Clean and Calibrations, Repairs:
<https://hallowell.com/cleaning-calibration/>

Warranty Information: <https://hallowell.com/warranty-info/>



We take pride in giving our customers the best service, knowledge, and solutions so that our products serve you at their full potential. Visit www.hallowell.com and see how we may help you today. Send inquiries to info@hallowell.com or call 413-445-4263.