Large Animal Ventilator Product Line
Third Edition
Proudly Presents

TAFONIUS

Sales Contact Information

United States/Canada
Hallowell EMC
Stetson Hallowell
239 West St.
Pittsfield, MA 01201 USA
www.hallowell.com
(413) 445-4263
sales@hallowell.com

International
Vetronic Services LTD
Keith Simpson
Units 1 & 2 Henley’s Business Park
Manor Road
Abbotskerswell Devon TQ12 5NF
UK
www.vetronic.co.uk
01626 365505
enquiries@vetronic.co.uk

"Undeniably the last word in mechanical lung ventilators"
The University of Edinburgh Royal (Dick) School of Veterinary Studies
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.
**Item 000A4630—Tafonius with Full Patient Monitoring Capabilities**

Includes 15” touchscreen computer, inspiratory pause and FiO₂, fully integrated monitoring of ECG, IBP, SpO₂, Temp, Insp/Expired CO₂, O₂, Agent, N₂O, data collection to MS Excel for research, unlimited presets for recalling all settings and alarms for different types of cases, trend display of all measured parameters, user configurable display of traces and tends, and more. Please refer to our model comparison chart for more detailed information.

**Options**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Option Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>240A5126A</td>
<td>Air Option Kit (US)</td>
</tr>
<tr>
<td>240A5121C</td>
<td>Air Option Kit (Euro)</td>
</tr>
<tr>
<td>240A3620</td>
<td>N₂O Option Kit (Euro)</td>
</tr>
<tr>
<td>240A5127</td>
<td>N₂O Option Kit (US)</td>
</tr>
<tr>
<td>240A6142A</td>
<td>Optional Gas</td>
</tr>
<tr>
<td>000A5265A</td>
<td>IV Pole Attachment</td>
</tr>
<tr>
<td>000A6197</td>
<td>Custom Machine Dust Cover</td>
</tr>
<tr>
<td>000A6552</td>
<td><strong>NEW!</strong> Premium 2” Wye Upgrade</td>
</tr>
</tbody>
</table>

(see page 9)
**TAFONIUS JUNIOR** grew out of the demand for a large animal ventilator with the versatility of **TAFONIUS**, but without the inherent cost of the integrated monitoring. **JUNIOR** uses 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 uptake, not as a driving gas. **JUNIOR** also uses the auxiliary back-up controller found on **TAFONIUS** as its primary controller.

**Features Include:**

- CPAP & PEEP Facility
- Flow Triggered Inspiratory Assist Mode
- Manual & Automatic Oxygen Delivery

---

000A5242A
Junior complete with built-in anesthetic circuit

000A5241
Junior ventilator only. In this format, Junior will integrate with your own anesthetic circuit (not included)
The Zoo Package is available for both versions of Tafonius Junior, the ventilator only (sans gas) and the version with gas. It enables staff to move the machine over rough terrain, around the facility and into night houses. Normally the four handles are in the collapsed position, as is the front right handle (colored red) in the sketch. To move the machine the handles are latched in the upright position.

The handles can remain latched and mayo trays (two included, one is pictured above) fitted on them; one in front, one in the rear. This, in conjunction with the IV pole option, provides a clean work space and place to hang fluids. (000A6175)
Vaporizers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Model</th>
<th>Fill Type</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>000A4072</td>
<td>TEC5</td>
<td>ISO</td>
<td>Select-A-Tec</td>
</tr>
<tr>
<td>000A4082</td>
<td>TEC5</td>
<td>ISO</td>
<td>Select-A-Tec</td>
</tr>
<tr>
<td>000A4075</td>
<td>TEC5</td>
<td>ISO</td>
<td>Cage Mount*</td>
</tr>
<tr>
<td>000A6196</td>
<td>TEC5</td>
<td>ISO</td>
<td>Cage Mount *</td>
</tr>
</tbody>
</table>

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.

Pricing and additional parts and accessories available online at www.hallowell.com
ECG Patient 3-Lead Set
112A5181A (Euro)
112A5182A (US)

Temperature Probes
131A4461—Esophageal/Rectal Autoclavable - 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
131A4464—YSI 402/402 similar, straight connector, 9’6” long

SpO₂ Sensors
134A4500—Genuine Nonin 2000SL Lingual Clip
134A4501—Genuine Nonin 2000T Reflective (Shown)

IV Pole
Includes Mounting Attachment
000A5265A—Tafonius IV Pole
000A5246—Junior IV Pole

Drain Plug
Tafonius & Junior
210A3845A

190B0174A—Valve Disc for Tafonius

Not pictured:
200B2437A—Valve Block Top Cover for Tafonius & Junior

*Previous styles also available for older machines

NEW! Absorber Pan with Handles
For ease of use and quick changes
000A4621A—Absorber Pan w/ Handles

Keyboard Accessories
000A4635—Mini Flexible Waterproof Keyboard
000A5263—Pullout Keyboard Shelf

Pricing and additional parts and accessories available online at www.hallowell.com
**NEW! 220B0331**
Wye, 2” Equine w/ Gas Sampling Port, Pressure Pickup and Bronchodilator Injection Port
Replaces our standard wye with a more durable construction!

**Also Available—220B0332**
Wye, 2” Equine w/ Gas Sampling Port and Bronchodilator Port

**Bivona/Drager Adapters**

**200A2594C**
Wye Bushing Adapter for NEW style Hallowell 2” Wye (Above)

**200A2594B**
Wye bushing adapts 2” Old –Style Hallowell or Matrx Equine Wyes for use with Bivona/Drager SS ET Tube Adapters. (Fits white/grey body Wye styles only)

**Discontinued Wyes:**
200B018B
220B0140C
220B0255
220B0256

**Please note all discontinued items are now out of stock**

**NEW! 000A6535**
Wye bushing adapts 2” Premium Wyes (above) for use with Bivona/Drager SS ET Tube Adapters. This adapter is threaded for the Premium Wye and is not compatible with our other model wyes.

**NEW! 000A6534**
Premium Wye, 2” w/ Pressure Pickup, Gas Sampling and Bronchodilator Injection Ports

In Collaboration with Vetronic Services LTD, Hallowell EMC is pleased to introduce the Premium 2” Wye. Made of Durable, lightweight Acetal C material.

Visit [https://tinyurl.com/yyl7rr3r](https://tinyurl.com/yyl7rr3r)
To view a durability test!

Also available as an upgrade option on new Tafonius & Tafonius Junior Orders. Replaces standard Wye with Premium. Use item number 000A6552.

**Hallowell Equine Wyes can be used with both Funnel Fit and Bivona/Drager style metal endotracheal tube adapters.**

**000B0300**
Set of nine stainless steel endotracheal tubes for large patients.

Also Available Individually:

<table>
<thead>
<tr>
<th>Size</th>
<th>Item Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>220B0301 – 14mm</td>
<td>220B0305 – 22mm</td>
</tr>
<tr>
<td>220B0302 – 16mm</td>
<td>220B0306 – 24mm</td>
</tr>
<tr>
<td>220B0303 – 18mm</td>
<td>220B0307 – 26mm</td>
</tr>
<tr>
<td>220B0304 – 20mm</td>
<td>220B0308 – 30mm</td>
</tr>
<tr>
<td>220B0309 – 35mm</td>
<td>220B0309 – 35mm</td>
</tr>
</tbody>
</table>

Pricing and additional parts and accessories available online at [www.hallowell.com](http://www.hallowell.com)
### Features Comparison of Junior and Tafonius Large Animal Machines

<table>
<thead>
<tr>
<th>Junior</th>
<th>Junior (w/gas)</th>
<th>Tafonius (stripped)</th>
<th>Tafonius (full boat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>000A2541</td>
<td>000A2542</td>
<td>000A5636</td>
<td>000A4630</td>
</tr>
<tr>
<td>Ventilator only</td>
<td>Gas machine and ventilator</td>
<td>Gas machine, ventilator and more</td>
<td>Gas machine, ventilator, monitoring and advanced features</td>
</tr>
</tbody>
</table>

- **Main Control**
  - Dual mount Select-a-Tec™ vaporizer back bar
  - Maximum Working Pressure Limit adjustable from 10 – 80 cmH2O
  - Accommodates a wide range of patients 100 lbs – 2000 lbs (more or less!)
  - Optional N2O and/or Air flowmeters
  - Absorber pan holds 6.5 liters, 11.7 lbs, 5.3 kg of absorbent
  - Tidal volumes up to 20 liters in 100ml increments with 25 ml resolution
  - Always powered by two 12v rechargeable batteries, AC keeps them topped off
  - Backup scavenging system
  - Oxygen is used only for patient uptake
  - Trend display of all measured parameters
  - Lightweight, kink free clear breathing tubes
  - Inspiratory flow rates up to 900 lpm
  - Facility for the implementation of Closed Circuit Anesthesia with add-a-liter feature
  - Scravenging flowmeter
  - Inspiratory pressure monitoring
  - Uses **NO** driving gas to compress the "bellows"; a major ongoing cost savings
  - Oxygen flush button for manual use
  - Hospital line pressure gauge
  - Low oxygen supply pressure alarm
  - Optional N2O and/or Air flowmeters
  - Optional N2O and/or Air flowmeters
  - Optional oxygen e-cylinder mount for backup, temporary disconnect or field use

- **Optional**
  - Airway pressure gauge
  - Pullout swiveling keyboard tray
  - Dual mount Select-a-Tec™ vaporizer back bar
  - Swivel valve block permits the breathing tubes to exit to the right or the left
  - Stainless hoop handle and bumpers
  - GFI protected with 3 auxiliary AC power outlets
  - **F**ootprint 30”wide x 36”deep, height is 72”
  - **N**otice: It is possible to upgrade Junior with gas to have many of the feature of Tafonius. The features that would not be available are indicated by the symbol "n" in the table above. Pricing for features indicated as "Optional" has not been determined.

- **Additional**
  - IV pole
  - 22mm Foal Breathing Circuit included
  - Lightweight, kink free clear breathing tubes
  - Accommodates both funnel fit and Bivona/Drager style ET tube adapters
  - Absorber pan holds 6.5 liters, 11.7 lbs, 5.3 kg of absorbent
  - Oxygen flowmeter for manual use
  - Oxygen flush button for manual use
  - Optional N2O and/or Air flowmeters
  - Optional oxygen e-cylinder mount for backup, temporary disconnect or field use
  - Optional oxygen e-cylinder mount for backup, temporary disconnect or field use
  - Footprint 30”wide x 36”deep, height is 72”
  - Redundant computer systems

- **Main Control**
  - 15 seconds
  - 30 seconds
  - 2 seconds
  - 2 seconds
  - 15 seconds
  - Quick access to internal cleaning of the "bellows"
  - 8" wheels, front wheel locks
  - Accommodates a wide range of patients 100 lbs – 2000 lbs (more or less!)
  - Future, new modes of ventilation as features are **software upgradeable**
  - Always powered by two 12v rechargeable batteries, AC keeps them topped off
  - Servo driven piston, **NO bellows**
  - Control Settings for Tidal Volume, Respiratory Rate, Insp-time, MWPL, CPAP/PEEP, Displays the Resulting MV, I-flow, E-time and I:E ratio
  - Displays above parameters when patient is spontaneously breathing; Respiratory monitoring
  - Tidal volumes up to 20 liters in 100ml increments with 25 ml resolution
  - Always powered by two 12v rechargeable batteries, AC keeps them topped off
  - **F**ootprint 30”wide x 36”deep, height is 72”
  - **N**otice: It is possible to upgrade Junior with gas to have many of the feature of Tafonius. The features that would not be available are indicated by the symbol "n" in the table above. Pricing for features indicated as "Optional" has not been determined.