

CUSTOM SOLUTIONS

OEM, CUSTOM BRANDING, CUSTOM KITS AND SOLUTIONS



SOLUTIONS

A-M Systems supplies the world's leading brands and OEMs with custom-branded, custom-configured medical devices and equipment.

- Custom-configured PFT kits and breathing circuits
- Custom branding and packaging
- PFT filters with custom port sizes

Contact us to learn more. sales@a-msystems.com



Since 1976, our unwavering commitment to product excellence, competitive prices and customer service has earned us satisfied customers in more than 100 countries.

The Pulmonary Division designed and developed the popular VMax™ line of pulmonary function test filters and the versatile ViroMax™ viral-bacterial filter. The Division also answered the growing demands worldwide for OEM products by offering custom packaging, branding and labeling across a wide range of pulmonary and respiratory care products.

We supply some of the world's largest manufacturers and distributors with custom-branded calibration syringes and other pulmonary and respiratory care products. Our PFT kits, which are designed to help clinicians save time, can also be customized to meet specific needs of a hospital or clinic.

The medical devices are manufactured under the strict standards of ISO 13485:2016, FDA Quality

System Regulations (21 CFR PART 820), EU Medical Device Regulations, and Canada Medical Device Regulations (SOR/98-282).

The Neurophysiology Division designs and manufactures a wide range of scientific instruments, including stimulators, intracellular and extracellular amplifiers, and patch clamps. Leading universities and research institutions worldwide use our instruments and accessories, including electrodes, insulated wires and capillary tubing, to perform ground-breaking investigations into learning and memory, Alzheimer's and Parkinson's diseases, and models of stroke, deafness and blindness.

Both A-M Systems Divisions are united by a singular commitment to our customers who challenge us to deliver innovative, high-quality products and services efficiently and affordably.

To learn more about how we can help you, or if you are interested in joining our expanding network of distributors worldwide, contact us today!



PULMONARY & RESPIRATORY CARE PRODUCTS



A-M Systems is a leading global manufacturer and distributor of high-quality respiratory care products and precision neurophysiology instruments with the goal of making health-care innovation and efficiency affordable.



HELPING PATIENTS ONE BREATH AT A TIME

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FM 509574

VBMAX™ PFT FILTERS & KITS

FOR SPIROMETRY, BODY PLETHYSMOGRAPHY, PULMONARY FUNCTION TESTING

VBMax™ PFT Filters combine low flow resistance with high filtration efficiency to help protect the patient and equipment during lung function tests.

- Bacterial filtration efficiency: > 99.999%
- Viral filtration efficiency: > 99.99%
- Resistance to flow:
 - 0.75 cm H₂O L•sec⁻¹ @ 14 L•sec⁻¹
 - 0.66 cm H₂O L•sec⁻¹ @ 12 L•sec⁻¹
- Exceeds ATS and ERS standards¹
- Membrane protects electrostatic filter media
- Effective dead space: 45 mL
- For single-patient, single use only
- Free of latex, PVC, DEHP, BPA
- Fits most PFT equipment in use today
- Custom sizes available to fit your designs



VBMAX™ S-SERIES

Smaller mouthpiece with ridges for pediatric use or for adults with smaller oral aperture.



VBMAX™ E-SERIES

Oval-shaped mouthpiece with optional, disposable rubber mouthpiece.



VBMAX™ STANDARD

Straight ports with a paper mouthpiece or an optional pediatric adapter.

STANDARD & CUSTOM PFT KITS

**SAVE TIME
REDUCE RISKS**

Choose from any of our prepackaged PFT Kits or ask us about custom kits using any combination of:

- VBMAX™ Standard, E-Series, or S-Series
- Paper and/or Rubber Mouthpiece
- Standard and Large, Rubber and Foam Nose Clips



VBMAX™ PFT KITS

Standard and custom PFT kits that are individually packaged to save time and reduce risks.



NOSE CLIPS

Foam and rubber nose clips in standard (white) and large (blue) sizes.



RUBBER MOUTHPIECES

Disposable rubber mouthpieces fit VBMax™ Standard, E-Series, and S-Series.

VIROMAX™ IN-LINE BVF

BIDIRECTIONAL BACTERIAL-VIRAL FILTER FOR IN-LINE USE



- Bacterial filtration efficiency: > 99.999%
- Viral filtration efficiency: > 99.99%
- Flow resistance: 1.5 cm H₂O @ 60 L•min⁻¹
- Low effective dead space: 45 mL
- Electrostatic media in protective membranes
- ISO 5356 Connectors: 15F/22M, 15M/22F
- Bidirectional airflow
- Disposable, for single-patient use only
- Free of latex, PVC, DEHP, BPA
- Transparent housing for visual inspection

HYDROMAX™ HME FILTER

FOR PASSIVE HUMIDIFICATION IN ANESTHESIA AND INTENSIVE CARE



- Combined HME and bacterial-viral filter
- Helps reduce risk of colonization
- Hygroscopic membrane traps moisture
- Minimal resistance and pressure drop
- Supplied clean and individually bagged
- Single-patient, single-session use
- Free of latex, PVC, DEHP, BPA
- Available in custom-configured circuits

HYDROMAX SPECIFICATIONS

FILTRATION EFFICIENCY ¹		PRESSURE DROP/RESISTANCE ²	
Bacterial	> 99.9999%	30 L/min	0.8 cm H ₂ O
Viral	> 99.99%	60 L/min	1.9 cm H ₂ O
		90 L/min	3.3 cm H ₂ O
MOISTURE OUTPUT			
V _T 250 mL	37.2 mg/L	Dead space	56 mL
V _T 500 mL	36.9 mg/L	Weight	21 g
V _T 750 mL	35.4 mg/L		
V _T 1000 mL	36.6 mg/L	CONNECTORS	
		Patient Side	15F/22M
Tidal Volume Range	250-1000 mL	Machine Side	15M/22F

1. Tested by Nelson Laboratories Inc., U.S.A.
2. Tested according to ISO 9360-1:2009.
3. Conforms to Regulation (EU) 2017/745 on medical devices.

CALIBRATION SYRINGE

FOR ATS/ERS-RECOMMENDED DAILY CHECKS OF PULMONARY FUNCTION ANALYZERS



- 3.0 liter capacity
- ±0.25% accuracy
- Fits all PFT equipment
- Rubber feet prevent rolling
- One-year warranty
- Repair service available
- Annual recalibration required
- Custom colors and logos available

CALIBRATION REQUIREMENTS

ATS and ERS standards require daily checks of spirometers and other PFT equipment using a 3-Liter calibration syringe to ensure accuracy of test results.¹

A-M Systems syringes offer a low-cost method for checking

the volume of PFT equipment.

Annual recalibration of the 3L syringe is recommended to ensure consistent and optimal performance.

1. Eur Respir J 2005; 26: 319-338

QUALITY

A-M Systems strictly adheres to and manufactures products under the standards of:

- ISO 13485:2016
- FDA Quality System Regulations
- EU Medical Device Regulations
- Canada Medical Device Regulations