

To order, please call 1-877-247-0403



# System Components Catalog

American Ecotech offers a wide variety of system components and consumables tailored specifically to the Air Monitoring Field. As a leader in Complete Solutions, American Ecotech provides one-stop shopping for all components utilized in Air Quality Monitoring Systems.

- FILTERS AND HOLDERS
- TUBING
- SCRUBBING MEDIA
- SCRUBBING CANISTERS
- FITTINGS
- GLASS SAMPLING MANIFOLDS
- CYLINDER REGULATORS
- INSTRUMENT INLETS
- SIGNAL & COM CABLES
- INSTRUMENT RACKS AND SHELVES
- O-RINGS, GASKETS
- CROSS-ARMS
- MET SENSOR BRACKETS
- VACUUM PUMPS
- EXHAUST MANIFOLDS
- POWER SUPPLIES
- MAINTENANCE KITS
- SPARE ANALYZER PARTS
- ELECTRONIC BOARD & CHIPS
- IR SOURCES, PMTs, UV LAMPS
- TRANSPORT CASES



American Ecotech  
 100 Elm Street, Factory D  
 Warren, RI 02885  
 Phone: 877-247-0403  
 Fax: 401-537-9166  
 E-mail: sales@americanecotech.com

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## Scrubbing Media and Canisters

Replace Scrubbing Media at regular intervals to assure optimal operation of the Zero Air Generation System, Background Cycles on Instrumentation and any other application which may require gas scrubbing media.



### Bulk Media and Accessories:

Purakol (lb)	Removal of O <sub>3</sub> , NO <sub>2</sub> , SO <sub>2</sub>	A-ECO-1038
Purafil (lb)	Removal of NO, NO <sub>2</sub> , SO <sub>2</sub>	A-ECO-1037
Molecular Sieve (lb)	Drying Agent	A-ECO-1036-13X
Soda Lime (lb)	Removal of CO <sub>2</sub>	A-ECO-1032
Silica Gel (lb)	Desiccant Agent	A-ECO-1039
Carulite (lb)	Removal of CO	A-ECO-1033
Filter Felt (each)	Support of Media	98415105-F
Heated CO Scrubber	Removal of CO	A-ECO-HCS1100-115

### Prefilled Scrubbing Canisters:

#### AE-98415105 - X - BLD

Reusable Canister with metal caps and fittings

**Replace X with:**  
E—Empty  
3—Molecular Sieve  
4—Purafil  
5—Soda Lime  
6—Purafil/Purakol  
7—Purakol  
8—Carulite

**BLD**—complete scrubber includes filter felt and factory leak check



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## Filters and Filter Holders

Replace Filters on regular basis to assure optimal operation of any Air Monitoring Instrument as well as the Zero Air Generation System and Calibration System.



### Filters

DFU 95% Efficiency, small	A-FIL-2200
DFU 95% Efficiency, large	A-FIL-2500
47mm PTFE Instrument Filter (50 qty)	98000098-1
Sintered Filter	002-024900
BAM Filter Tape	BAM-460130
Black Carbon Filter Tape	AE-8010
Glass Fiber HiVol Filters (100 qty)	AE-T-TSPFfil



### Filter Holders

47mm Filter Holder for Serinus Series	H010020
47mm Filter Holder, Teflon (for SO <sub>2</sub> )	98300056-1
47mm Filter Holder for EC9800 Series	98000210-1
HiVol Filter Cassette	P-ECO-HVS-3000-52

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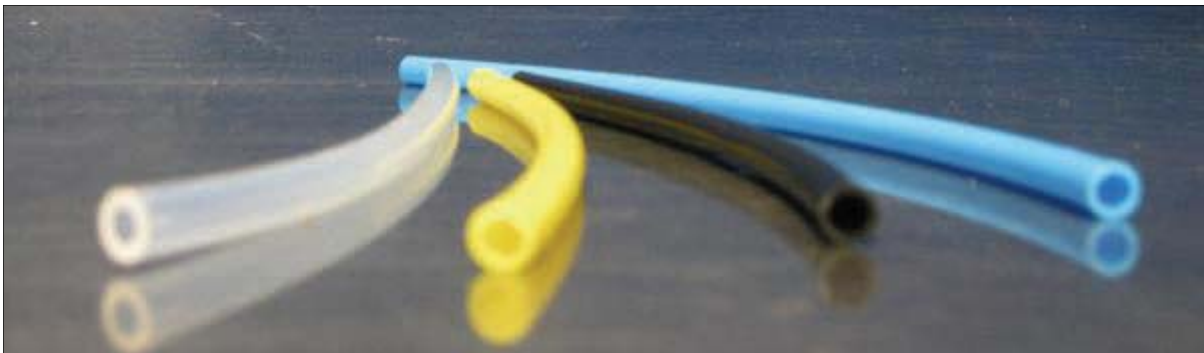


## Tubing

Replace tubing at regular intervals to assure optimal operation of any Air Monitoring Instrument as well as the Zero Air Generation System and Calibration System. At minimum, tubing should be replaced during Annual Service Maintenance Intervals.



1/4" Teflon® Tubing, medium wall	TUB-FEP-5-32
1/4" Teflon® Tubing, thin wall	TUB-FEP-3-16
1/8" Teflon® Tubing	TUB-FEP-1-8
1/4" Nylon Tubing Black	NYLON-BLKTUBING-1/4
1/4" Nylon Tubing Blue	NYLON-BLUTUBING-1/4
1/4" Nylon Tubing Yellow	NYLON-YLWTUBING-1/4
3/8" Nylon Tubing Black	NYLON-BLKTUBING-3/8
1/4" Stainless Steel Tubing	A-ECO-TU4
1/8" Stainless Steel Tubing	A-ECO-TU3
1/8" Stainless Steel Tubing Deactivated	A-ECO-TU3-PD
1/4" Tygon® Tubing with PTFE liner	T010012-03



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**TIP!** Color Coded Tubing:  
Clear (PTFE/FEP) - Sample Tubing or Calibration Tubing  
Yellow—Auxiliary Scrubber Tubing  
Black—Exhaust Tubing  
Blue—Zero Air Tubing

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## Inlets

Single Analyzer Inlets, Nephelometer Inlets, Rain Caps, Teflon® , Anodized Aluminum and other inlets available.



<b>Teflon® Single Analyzer Inlet Stem</b>	ATM-1030
<b>Teflon® Single Analyzer Inlet Cap</b>	ATM-1025
<b>Nephelometer Rain Cap/Inlet</b>	ECO-M9003011
<b>Glass Manifold Teflon® Cap Replacement</b>	ATM-1035
<b>HiVol Gabled Roof Replacement</b>	ECO-HVS3000 ROOF
<b>MicroVol PM2.5 Cyclone Inlet</b>	AE-PMSSICust
<b>Single Analyzer Inlet (includes Teflon® Stem and Cap, Teflon® Tubing, aluminum down-tube, roof flange and compression fitting)</b>	AE-SAMPLEINLET



## Cylinder Regulators

**Two Stage Pressure Reducing Stainless Steel Precision Regulator, 0-150psig**  
**Gauges: 0-2000psi, 0-200psi**  
**1/4" outlet/inlet port** AE-CGA XYZ

**Two Stage Pressure Regulator, Brass CGA 350, max inlet pressure 3000 psig** AE-BrassReg-CGA350

CGA XYZ—Specify Cylinder Connection Type



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## Glass Sampling Manifolds

The American Ecotech Glass Sampling Manifold is designed according to US EPA guidelines and offers ease of installation, calibration port and up to eight instrument ports. Two configurations available: Pyrex or Quartz for high purity applications.

<b>Glass Sampling Manifold</b> Includes 8 ports, protective case, roof flange and compression fitting	AE-ECO-1010-115
<b>Glass Manifold Pump Adapter</b>	AE-ECO-1010-P
<b>Glass Manifold Vacuum Pump</b>	002-033603
<b>Roof Flange for Mounting of Manifold</b>	AE-FlangeGMF
<b>Compression Fitting for Flange</b>	ECO-1002
<b>Mounting Bracket for Manifold</b>	AE-ECO-1010-M
<b>Teflon® Manifold Cap</b>	ATM-1035
<b>Manifold Port Cap</b>	AE-GL-CAP
<b>Seal for Port Cap, solid</b>	AE-GL-SEAL-SLD
<b>Seal for Port Cap, w/ aperture</b>	AE-GL-SEAL-APP
<b>Glass Sampling Manifold—Quartz</b> Includes 6 ports, protective case, roof flange and compression fitting	ECO-1012-115



**NEW!** American Ecotech also offers Glass Manifold Repair Services. In the event of damage to the manifold, please contact Customer Service at 1-877-247-0403 for more information.

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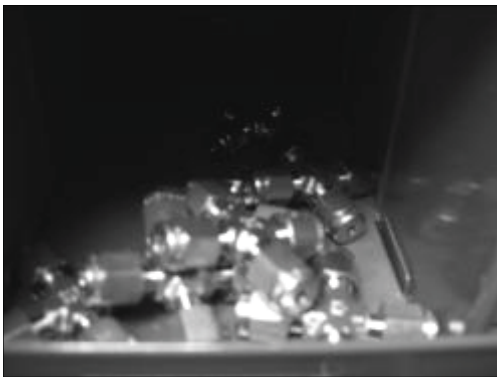
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## Fittings

American Ecotech can quickly supply various fittings including Stainless Steel, Kynar<sup>®</sup>, Nylon or Teflon<sup>®</sup> in many standard sizes.



Due to a high number of fitting types and sizes available, please call Customer Service for correct part number and pricing

Please Specify: Type, Material Type, Size, Connection Type

Available type: Compression, Quick-Connect

Available material type: Stainless Steel, Brass, Kynar<sup>®</sup>, Teflon<sup>®</sup>, Nylon

Available sizes: 1/8", 1/4", 3/8" and more

Available types: unions, male connectors, bulkheads, elbows, tees, crosses, ferrule sets, nuts, plugs, NPT thread, reducing adapters

**NEW!** Reducing Teflon Ferrules  
1/4" to 1/8"



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Kynar<sup>®</sup> is a registered trademark of Arkema  
Teflon<sup>®</sup> is a registered trademark of E.I. DuPont de Nemours

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## Signal & Communication Cables

American Ecotech can provide many types and lengths of multi-conductor signal cable required for Met Sensor installation. We also offer a broad selection of Communication Cables such as USB, RS-232 or Ethernet and applicable converters and adapters.



2 Conductor Signal Cable (per ft)	AE-Cable-2C
4 Conductor Signal Cable (per ft)	AE-Cable-4C
5 Conductor Signal Cable (per ft)	AE-Cable-5C
6 Conductor Signal Cable (per ft)	AE-Cable-6C
8 Conductor Signal Cable (per ft)	AE-Cable-8C
9 Conductor Signal Cable (per ft)	AE-Cable-9C
12 Conductor Signal Cable (per ft)	AE-Cable-12C
120V 15A Power Cord, 6ft	AE-PCABLE
RS-232 9 Pin Serial Cable, F-F, 6ft	Cable_RS232-FF
RS-232 9 Pin Serial Cable, F-M, 6ft	Cable_RS232
USB to RS232 Cable	AE-USB-RS232
USB Com Cable, 6ft	Cable_USB
Ethernet Com Cable, 5ft	Cable_Ethernet
USB 4 port hub, powered	AE-USBhub

Communication Cables including RS232, USB and Ethernet available in various lengths (6, 9, 12+ ft). Please ask your Customer Service representative for additional lengths.

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## Instrument Transport Cases

American Ecotech can provide a quick solution for storing or transporting analyzers and instrumentation. Rigid, dust-proof and waterproof cases offer protection during shipping as well as excellent storage capabilities. Integrated wheels and handles offer make it easily movable.



**PLEASE REFER TO PART NUMBER**

**AE-TCASE-001**

**WHEN ORDERING**

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## Instrument Maintenance Kits

EC9800 and Serinus Series Instrumentation Service Kits, fully complete for Annual Service Maintenance.



<b>NOx Manifold Kit 1</b>	98412021-KIT1-BLD
<b>NOx High Level Manifold Kit 2</b>	98412021-KIT2 AS
<b>NOx Manifold Kit 2</b>	98412021-KIT2
<b>NOx Reaction Cell Kit 1</b>	98412027-KIT1
<b>NOx Reaction Cell Kit 2</b>	98412027-KIT2
<b>NOx Ozone Generator Kit</b>	98412101-KIT1
<b>NOx Molycon Assembly</b>	98415207
<b>O<sub>3</sub> Flow Assy Maintenance Kit 1</b>	98107012-KIT1-BLD
<b>O<sub>3</sub> Reaction Cell Kit 1</b>	98110019-KIT1
<b>O<sub>3</sub> Flow Assy Maintenance Kit 2</b>	98107012-KIT2
<b>CO Maintenance Kit A</b>	98300000-KITA-BLD
<b>CO Maintenance Kit B1</b>	98300000-KITB#1
<b>CO Maintenance Kit B2</b>	98300000-KITB#2
<b>SO<sub>2</sub> Reaction Cell Kit 2</b>	98500061-KIT2
<b>SO<sub>2</sub> Reaction Cell Kit 1</b>	98500061-KIT1-BLD
<b>SERINUS 10 Maintenance Kit</b>	SE-E020201-KIT
<b>SERINUS 30 Maintenance Kit</b>	SE-E020202-KIT
<b>SERINUS 40 Maintenance Kit</b>	SE-E020203-KIT
<b>SERINUS 50 Maintenance Kit</b>	SE-E020204-KIT

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## Instrument Parts

American Ecotech carries a vast inventory of spare and replacement parts for all EC9800 and Serinus Series Instrumentation.



<b>9810/S10 O<sub>3</sub> Filter Scrubber (internal)</b>	881-025001
<b>9810 UV Lamp Assembly</b>	981000011
<b>9830 CO/CO<sub>2</sub> Converter Assembly</b>	98300023
<b>9830 Correlation Wheel Assembly</b>	98300084
<b>9830 Correlation Wheel Motor</b>	98300082
<b>9830 IR Detector Assembly</b>	98300015
<b>9830/S10 IR Source</b>	80340371
<b>9841 Ozone Generator Assembly</b>	98410121-2
<b>9841 Photomultiplier Tube</b>	57000010
<b>9841 Molycon Assembly</b>	98415207
<b>9850 Kicker Assembly</b>	985000036
<b>9850 Photomultiplier Tube</b>	57000011
<b>9850 UV Lamp Assembly</b>	98500018
<b>UV Lamp for Serinus 10</b>	C020077
<b>UV Lamp for Serinus 50</b>	C020076
<b>Ozone Generator Assy and Housing</b>	H011107
<b>Sapphire Window for EC/Serinus</b>	883-05160
<b>Main PCA Controller Board for Serinus</b>	C010001
<b>Kicker Assembly for Serinus</b>	H01240
<b>Correlation Wheel Assembly for Serinus</b>	H014114
<b>Power Supply EC9800 Series</b>	98000142
<b>Power Supply Serinus Series</b>	P010003

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## Other Components

American Ecotech offers various accessories that can enhance any Air Monitoring System or Station. Accessories include cable management trays, instrument racks, meteorological sensor tripods, vacuum pumps, exhaust manifolds and many other. Please contact us if we can be of assistance.



RACK SHELVES



O-RINGS AND GASKETS



CLIPS, CLAMPS, COMPRESSION FITTINGS AND FLANGES



12V-24V DC POWER SUPPLIES



CROSS ARMS & MET SENSOR MOUNTING BRACKETS



CALIBRATION PORT SWITCHES

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## Shipping Options

Need a part tomorrow morning? Need a part on Saturday morning?

Place your order by **3:30PM EST** and your order can ship same day!\*

**SAME DAY SHIPPING\***

### Shipping Options



Ground  
Two Day  
Three Day  
Next Day Air  
Next Day Air Early Morning  
Saturday Delivery  
Freight (palletized)

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\*In-stock parts only. Exclusions apply. Order to be placed between 8:00am EST and 3:30pm EST Monday through Friday. Rush surcharge may apply.

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