

# System Components Catalog

## Procure your air pollution monitoring system components from American Ecotech.

American Ecotech carries a high volume supply of various components necessary for building and maintaining all types of air pollution monitoring systems. These components are available for purchase to our customers, quickly and cost effectively.

- **FILTERS**
- **TUBING**
- **SCRUBBING MEDIA**
- **SCRUBBING CANISTERS**
- **GLASS SAMPLING MANIFOLDS**
- **CYLINDER REGULATORS**
- **INSTRUMENT INLETS**
- **MAINTENANCE KITS**
- **INSTRUMENT RACKS AND SHELVES**
- **MET SENSOR BRACKETS**
- **PUMPS**

Need a part tomorrow morning? Need a part on Saturday morning?  
Place your order by **3:30 PM EST** and your order can ship same day!\*

## Shipping Options



- Ground
- Two Day
- Three Day
- Next Day Air
- Next Day Air Early Morning
- Saturday Delivery

\* In-stock parts only. Exclusions apply. Order must be placed between 8:00 AM EST and 3:30 PM EST Monday - Friday.

## Scrubbing Media & Filters

### Select Scrubbing Media below:



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

### Select Prefilled Canisters below:

#### 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



### Select Filters below:

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
Glass Fiber HiVol Filters (100 qty)	AE-T-TSPFil
HiVol Filter Cassette (Ecotech HVS3000)	P-ECO-HVS-3000-52
47 mm PTFE MicroVol Filter (25 qty)	10-002322-0050
EPM Grade PM-10 MicroVol Filter (25 qty)	AE-EPM47MM

## Ecotech Gas Analyzer 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

# Instrument Parts

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



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

## Tubing



Stainless steel, FEP, PTFE, & nylon tubing available.



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

### Color Coded Tubing:

Clear (PTFE/FEP) - Sample Tubing or Calibration Tubing  
Yellow—Auxiliary Scrubber Tubing  
Black—Exhaust Tubing  
Blue—Zero Air Tubing

## Tubing Inlets



Single Analyzer Inlets suitable for connection to above listed tubing. Sampling Inlets, Rain Caps, and other inlets available upon request.

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

## Leak Test Jig



The AE-LeakTest jig is an essential tool for comprehensive leak check on any gas analyzer. Ball valve makes it easy to toggle vacuum, with an analog gauge that measures between  $\pm 30$  PSI. (other ranges available upon request).

## Glass Sampling Manifolds

Designed to meet international and US EPA Quality Assurance Standards for the continuous sampling of ambient air. Custom sizing and special design of manifolds available upon request. Standard manifold systems listed below.

<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

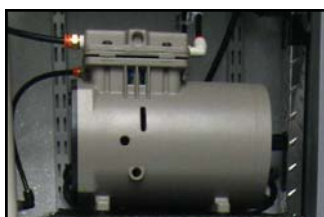


## Other Components

American Ecotech offers various accessories to enhance your Air Monitoring System, including cable management trays, instrument racks, meteorological sensor brackets and cross arms, vacuum pumps and exhaust manifolds.



O-Rings for Gas Analyzers



Gas Analyzer Pumps



Clips, Clamps, Compression Fittings & Flanges



Instrument Racks



Stainless Steel, Brass & Kynar Fittings



Instrument Rack Shelving (Fixed or Sliding)