

Consumables and Accessories for Air Monitoring Professionals



Assorted Filter Paper

Filter Holders



Radioiodine Collection Cartridges



F&J SPECIALTY PRODUCTS, INC.
Ocala, Florida U.S.A.

The Nucleus of Quality Air Monitoring Programs

Radioiodine Collection Filter Cartridges (RICF)

F&J is the world's largest manufacturer of RICF, employing TEDA impregnated charcoal and silver zeolite adsorbents.

F&J implements the most comprehensive RICF testing program of any manufacturer to determine RICF performance capabilities as part of its certified ISO 9001:2015 quality management system.

F&J offers multiple adsorbent mesh sizes that offer a variety of pressure drop and collection efficiency characteristics.

F&J offers the greatest variety of cartridge geometries available from any manufacturer of RICF products.

Please contact F&J for detailed product specifications, quality assurance test data, shelf life information and RICF QA System testing program description.



Model “C” Series

Plastic Cased

Dimensions:

Diameter = 2.26” ± 0.01 (57.4mm ± 0.25mm)
 Height = 1.05” ± 0.01 (26.7mm ± 0.25mm)

TEDA Models:

Part #	Mesh Size	Label Color
TE1C	8×16	Red
TE2C	30×50	Green
TE3C	20×40	Yellow
TE4C	12×20	Brown

Silver Zeolite Models:

AGZC35	30×50	Blue
AGZC58	50×80	Blue
AGZC164	16×40	Blue



Model “M” Series

Metal Cased

Dimensions:

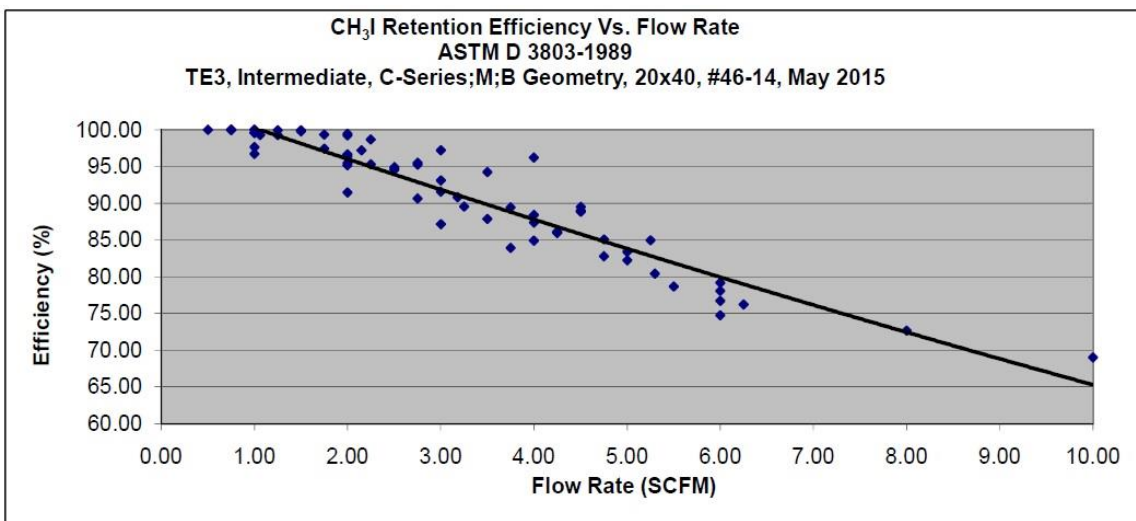
Diameter = 2.51” ± 0.01 (63.8mm ± 0.25mm)
 Height = 1.01” ± 0.01 (25.7mm ± 0.25mm)

TEDA Models:

Part #	Mesh Size	Label Color
TE1M	8×16	Red
TE2M	30×50	Green
TE3M	20×40	Yellow
TE4M	12×20	Brown

Silver Zeolite Models:

AGZM35	30×50	Blue
AGZM58	50×80	Blue
AGZM164	16×40	Blue



Typical Collection Efficiency Data

Model “B” Series

Plastic Cased

Dimensions:

Diameter = 2.53” ± 0.01 (64.3mm ± 0.25mm)

Height = 0.98” ± 0.01 (24.4mm ± 0.25mm)

TEDA Models:

Part #	Mesh Size	Label Color
TE1B	8×16	Red
TE2B	30×50	Green
TE3B	20×40	Yellow
TE4B	12×20	Brown

Silver Zeolite Models:

AGZB35	30×50	Blue
AGZB58	50×80	Blue
AGZB164	16×40	Blue



Model “M5” Series

Metal Cased

Dimensions:

Diameter = 2.52” ± 0.01 (64.0mm ± 0.25mm)

Height = 1.62” ± 0.01 (41.1mm ± 0.25mm)

TEDA Models:

Part #	Mesh Size	Label Color
TE1.5M	8×16	Red
TE2.5M	30×50	Green
TE3.5M	20×40	Yellow
TE4.5M	12×20	Brown

Silver Zeolite Models:

AGZ1.5M35	30×50	Blue
AGZ1.5M58	50×80	Blue
AGZ1.5M164	16×40	Blue



Lapel RICF Charcoal Cartridges

Plastic Cased

Dimensions:

Diameter = 1.63” ± 0.01 (41.4mm ± 0.25mm)

Height = 0.77” ± 0.02 (19.6mm ± 0.51mm)

Part #	Mesh Size	Label Color
FJ433	20 ×40	Yellow (TEDA)
FJ434	30×50	Blue (Silver Zeolite)
FJ434164	16×40	Blue (Silver Zeolite)



These items are generally used with personal air samplers in Lapel style filter holders.

Model: CSM” Series

Plastic Cased

Dimensions:

Diameter = 2.25” ± 0.01 (57.2mm ± 0.25mm)

Height = 1.02” ± 0.01 (25.9mm ± 0.25mm)

TEDA Models:

Part #	Mesh Size	Label Color
TE1CSM	8×16	Red
TE2CSM	30×50	Green
TE3CSM	20×40	Yellow
TE4CSM	12×20	Brown

Silver Zeolite Models:

AGZCSM35	30×50	Blue
AGZCSM58	50×80	Blue
AGZCSM164	16×40	Blue



Model “3.1” Series

Plastic Cased

Dimensions:

Diameter = 3.44” ± 0.02 (87.4mm ± 0.51mm)

Height = 1.24” ± 0.02 (31.5mm ± 0.51mm)

TEDA Models:

Part #	Mesh Size	Label Color
TE3.1	8×16	Red
TE23.1	30×50	Green
TE33.1	20×40	Yellow

Silver Zeolite Models:

AGZ-3P35	30×50	Blue
AGZ-3P	50×80	Blue
AGZ-3.1164	16×40	Blue



Model “3.2” Series

Plastic Cased

Dimensions:

Diameter = 3.21” ± 0.01 (81.5mm ± 0.25mm)

Height = 2.32” ± 0.01 (58.9mm ± 0.25mm)

TEDA Models:

Part #	Mesh Size	Label Color
TE3.2	8×16	Red
TE23.2	30×50	Green
TE33.2	20×40	Yellow

Silver Zeolite Models;

AGZ3.235	30×50	Blue
AGZ3.258	50×80	Blue
AGZ3.2164	16×40	Blue



FILTER PAPER MEDIA

F&J provides filter media of various characteristics in many different dimensions.

F&J provides its own proprietary filter grades, as well as those manufactured by Whatman, Ahlstrom and Millipore.

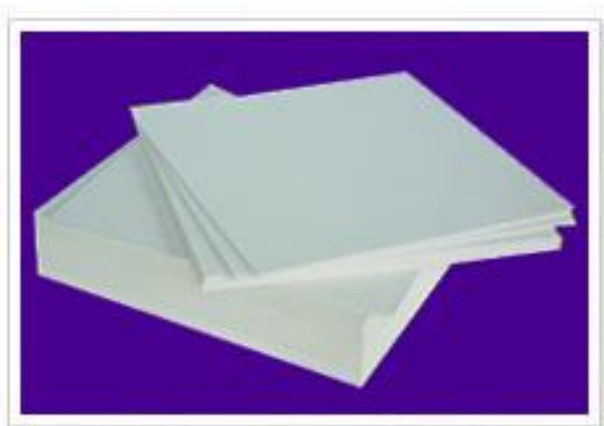
Filter Media Types:

Glass Fiber, Cellulose, Membrane, Quantitative and Qualitative

Typical Dimensions:

<u>Diameter (mm)</u>	<u>Diameter (Inches)</u>	<u>Sheets</u>
21, 25, 37, 47, 50	2, 2.25, 3.0 and 4.0	8"×10" (20.3cm × 25.4cm)
60, 70, 76, 102, 110,		45cm x 45cm
125, 140 and 150		46cm x 57cm

Custom diameters are available and may require a tooling cost in the initial order.



We carry Whatman, Ahlstrom and Millipore products

FILTER HOLDERS

Filter Holder Materials:

Plastic, Aluminum and Stainless Steel



**Plastic
In-Line Style**



**Stainless Steel
In-Line Style**



**Aluminum
Open-face Style**

Filter Holder Types:

Particulate Only

- open face
- In-line

Combination (RICF + Particulate)

- open face
- In-Line

Plastic Open Face



FJ-46P



FJ-34P



**FJ-44
Aluminum In-Line**



8" × 10" FJ2100



Lapel Filter Holders

PRODUCT PROFILE

Air Sampling Systems

- ❖ High Volume Air Samplers
 - Portable Grab Samplers
 - Environmental Systems
 - Enzyme Dust Samplers
 - PM10 Systems
- ❖ Continuous Air Samplers
 - Environmental Systems
 - Portable
 - Fixed Station
- ❖ Personal Air Samplers
- ❖ Emergency Response DC Powered Air Sampling Systems

Filter Paper

- ❖ Glass Fiber
- ❖ Cellulose
- ❖ Membrane
- ❖ Quartz

Filter Holders

- ❖ Open face
- ❖ In-Line
- ❖ PAS Filter Holders
- ❖ Materials
 - Plastic
 - Aluminum
 - Stainless Steel

Radon Detection Devices

- ❖ 2-Day Passive Charcoal Canisters
- ❖ 7-Day Passive Charcoal Canisters
- ❖ Continuous Radon Monitors

Tritium Detection Systems

- ❖ Portable and Fixed Station Collection Systems utilizing Silica Gel or Molecular Sieve Absorbents
- ❖ Continuous Tritium Monitors

New Products

- ❖ Global Air Sampling Systems
- ❖ Digital Flow Meter Air Samplers
- ❖ C-14 Collection Systems
- ❖ ELITE DIGITAL LIGHT (EDL) Air Samplers
- ❖ Isokinetic Air Sampling Systems
- ❖ MEGA High Volume Air Samplers
- ❖ ULTRA High Volume (CTBTO) Air Samplers

Radioiodine Collection Cartridges

- ❖ TEDA Impregnated Charcoal
- ❖ Silver Zeolite
- ❖ Custom Cartridges
- ❖ Bulk Silver Zeolite

Air Flow Calibrators

- ❖ World Calibrator Series
- ❖ Compact Digital V.2 Series
- ❖ Mini-Calibrator



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