

Model FC47 Series

47mm Filter Cassettes



Reference Method 47mm Filter Cassettes for Use in Air Particulate Sampling Instruments

Alaric Model FC47 series filter cassettes are manufactured in the USA by our experienced machinists and technicians, with innovative features at a reasonable price. Each unit is CNC machined from wear-resistant Delrin® acetal polymer to precise tolerances for a consistent leakproof fit, and includes a precision perforated stainless steel filter backing disc. Quantity discounts and custom labeling options are available.

Model FC47 series cassettes meet all EPA specifications for use in PM_{2.5} Federal Reference Method air samplers, and are also compatible with many other similar air sampling instruments. The filter cassette holds and supports a standard 46.2 or 47 mm diameter filter disk during the air sample collection process. The cassettes can be loaded with PTFE, quartz fiber, glass fiber, or other common filter materials. Filter discs are not included.

Traceability: Model FC47 series filter cassettes feature laser-etched serial numbers on the bottom of the perforated screen disc. Our transport can lids also feature etched fields for the *Cassette ID* and *Filter ID* serial numbers, which can be optionally marked with a wet-erase pen. The can lids can be cleaned for reuse. Maintaining proper traceability and chain of custody for your filter samples has never been easier.

Transport Cans: Model FC47 filter cassettes are available with or without our innovative transport cans which protect the filter from damage or contamination during transportation and field deployment. The twist-top steel transport cans contain a machined internal spacer which prevents filter cassette movement inside the can. The cans do not contain any foam materials in order to eliminate the potential for sample contamination. Spare transport cans and classic stainless steel push-on type cassette transport caps are also available.

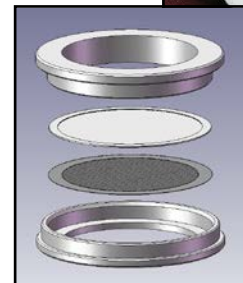
Model FC47 Filter Cassettes are made to the exact U.S. EPA *Filter Cassette* specifications, including all specified dimensions and materials. Compatible with sampler models from multiple manufacturers which use standard EPA 47mm filter cassettes.

Model FC47P Filter Cassettes have a large chamfer on the top inside edge for compatibility with the filter holding mechanism in Partisol® series samplers, and are machined from the same white acetal material as standard cassettes. Intended as a longer lasting replacement for the molded blue plastic filter cassettes.

Model Numbers & Options:

FC47	EPA Spec 47mm Filter Cassette With Transport Can
FC47NC	EPA Spec 47mm Filter Cassette Without Transport Can
FC47P	Chamfered 47mm Filter Cassette With Transport Can
FC47PNC	Chamfered 47mm Filter Cassette Without Transport Can

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FEATURES

- EPA PM_{2.5} Reference Method Specifications
- CNC Machined
- Laser Serialized Screens
- Made in the USA
- Optional Transport Cans

APPLICATIONS

- PM_{2.5} Sampling
- PM₁₀ Sampling
- Single-Event Air Samplers
- Sequential Air Samplers
- Manual Air Samplers
- Laboratory PM Studies
- Outdoor or Indoor Particle Sample Collection

