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## TECHNICAL INFORMATION

### DeFumigator™ Cyanoacrylate Fume Extractor Catalog No. FR300

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#### INTRODUCTION

The No. FR300 DeFumigator™ is a self-contained cyanoacrylate filtration system that connects directly to SIRCHIE's cyanoacrylate development chambers (FR100, FR200, FR600, and CNA900). The noxious odors and fumes inside the chamber are drawn through a >99% efficient filtering system comprised of a HEPA Filter (FR301) and a Bonded Carbon-Activated Filter (FR302).

A 220V AC version of the DeFumigator™ is available by ordering FR300220.



## PROCEDURE

1. Connect the AC Power Cable to a convenient outlet.
2. After fuming is complete, connect one end of the flexible hose to the FR300 DeFumigator™.
3. Remove the end cap from the lower right inlet port of the fuming chamber (FR200, FR600, and CNA900) or from the top right inlet port on the FR100, and connect the other end of the flexible hose to this port (see Page 4).
4. Remove the end cap from the inlet port on the opposite end of the fuming chamber.



*Be certain that no other accessories are attached to the chamber.*


5. To evacuate fumes, turn the DeFumigator™ on using the Timer Control. The Timer Control, located on the top of the unit, allows for setting the evacuation time (up to 5 minutes).
6. The FR300 will shut off automatically when the cycle is complete.

## MAINTENANCE

- A. Cleaning:** Occasionally wipe down the exterior of the unit using a damp paper towel or cloth. Do not use commercial cleaning solvents as this may damage the finish.
- B. Filter Change:** When a decrease in airflow is noted, both filters should be changed. Unscrew the four thumbscrews securing the filter access chamber. Remove the existing filters in sequence and replace with new ones as indicated by the labels on the filters and inside the unit.




*The Timer Control, located on the rear of the unit allows for setting the evacuation time.*

 **Note:** The sequence of removal and replacement of the filters is essential in preventing damage to the gasket (see photo below).



#### FR300 SPECIFICATIONS:

- Exhaust Fan: High-capacity electric fan
- FR301 HEPA Filter: Removes 99.97% of particulates
- FR302 Bonded Carbon-Activated Filter: Removes 99.97% of organic odors
- Control: 0-5 Minute Timer
- Dimensions: 16"L x 10.5"W x 7.5"H
- Weight: 13.5 lbs.

 **Note:** The DeFumigator™ is for use with cyanoacrylate fuming chambers that have two (2) inlet ports as shown below. If you have the older version of the FR100, call customer service for modifications at (919) 554-2244. No modifications are available for the CNA900.



No. FR200 Cyanoacrylate Fuming Chamber—The FR300 connects to the lower right inlet port for fume extraction.

**REMEMBER:** Remove upper left panel cap to ensure proper airflow.

**Remove this cap to ensure proper airflow.**



No. FR100 Cyanoacrylate Laboratory Fuming Chamber—The FR300 connects to the top right inlet port for fume extraction.



No. CNA900 Portable Fuming Chamber Kit—The FR300 connects to the lower right inlet port for fume extraction.

**REMEMBER:** Remove upper left panel cap to ensure proper airflow.