

TECHNICAL INFORMATION

Disposable Fuming Chamber and Assistant Stand

Catalog Nos. FA100, FA101, FA103



INTRODUCTION

The FA100 is a disposable fuming chamber kit for use in the field or laboratory that provides an enclosed space for fuming with the Cyanowand[™], FINDER[™] cyanoacrylate gel packets or Omega-Print[™] cyanoacrylate fuming compounds. The fuming chamber is made of 0.012" thick, clear PVC. It transports flat and is set up in seconds by simply installing the end caps. The No. FA101 Universal Fuming Assistant Stand is all aluminum, and it assembles and disassembles in seconds. Only the fuming chamber, red plugs and end caps are disposable while the fuming assistant stand has an unlimited life.

PRECAUTIONS

- Before using this kit, consult the appropriate Material Safety Data Sheets (MSDS) found on our website at www.sirchie.com/support.
- When using the SCW100 Cyanowand, DO NOT permit the metal tip to come into contact with the PVC tank.

100 HUNTER PLACE, YOUNGSVILLE, NC 27596 USA

Ph: (919) 554-2244, (800) 356-7311 • Fax: (919) 554-2266, (800) 899-8181 • Web: www.sirchie.com • Email: sirchieinfo@sirchie.com

- To control the release of cyanoacrylate fumes after fuming is complete, place the tank under a ducted or recirculating fuming hood.
- Place control prints on dark-surfaced material into the tank each time evidence is fumed.

PROCEDURE

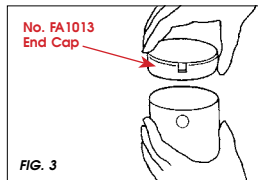
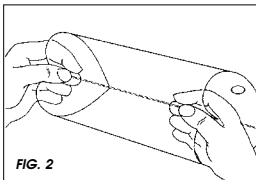
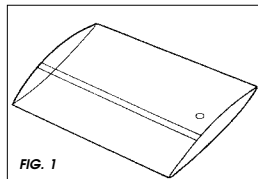
Chamber Assembly

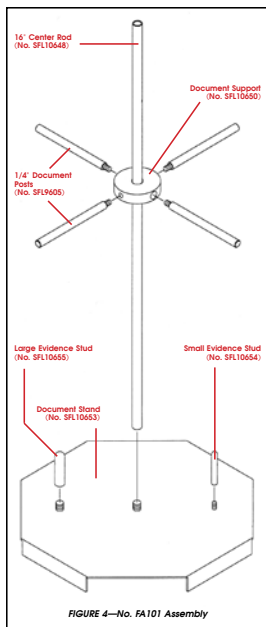
The .012" thick PVC tank cylinder is shipped flat as shown in Figure 1. To set up the tank, you first have to flatten the scores along the edges (Fig. 2). Insert the end caps into the tube as illustrated in Figure 3. The single 1.25" hole should be at the top of the chamber.

Fuming Assistant Stand and Assembly

The Universal Fuming Assistant Stand (No. FA101) comes standard with the No. FA100 Disposable Fuming Chamber. Four (4) evidence suspension clips included allow the operator to hang items to be fumed and the evidence studs help to secure evidence such as a gun as illustrated in Figure 4. No. FA101 is constructed of all aluminum and assembles or disassembles in seconds.

1. Screw evidence studs onto document stand.
2. Screw center rod onto document stand.
3. Screw four .25" document posts into smaller holes in document support.
4. Loosely screw remaining document post into large hole in document support.





- Slide post assembly onto center rod. Tighten post against center rod in position desired.
- Place evidence to be processed onto studs, posts or one of the 4 suspension clips provided.

Chamber Use

With the evidence inside the chamber, close the lid. Following the Cyanowand™ instructions, ignite the Cyanowand™ and insert the top into the opening when it begins to emit fumes. **NOTE: DO NOT allow the metal tip of the wand to touch the PVC cylinder.** When sufficient fumes have been introduced, turn off the Cyanowand™ and insert the red plug into the opening. Follow Cyanowand™ directions for processing prints. *HINT: Adding a cup of warm water to the tank during fuming will help reconstitute moisture in any latents present.*

Using Liquid Cyanoacrylate

When using liquid cyanoacrylate such as Omega-Print™ Compound, proceed as follows:

- Place evidence to be fumed inside the tank.
- Place approximately 1g of fuming compound into a metal fuming tray (No. CNA106).
- Place the fuming tray into the tank, put on the lid and be certain the red plastic cap is in place in the tank opening.
- Observe development. Using this method will take several hours for prints to develop.

5. To accelerate development, use one of the following:

A. Using Cyano-Shot™ (CNA3000):

1. Place evidence to be fumed inside the tank.
2. Place the Cyano-Shot™ jar containing the blue liquid on the base of the fuming assistant.
3. Place the activator canister (hole side down) into the jar containing the activator solution.
4. Empty the cyanoacrylate fuming compound from the plastic vial onto the metal top of the activator canister.
5. Observe development.



B. Using a FINDER™ Packet (CNA2001):

1. Place evidence to be fumed inside the tank.
2. Separate the two halves of the FINDER™ packet by pulling on the tabbed ends as marked (see example to the right).
3. Using the adhesive tab on the rear of the packet, affix it to the tank wall near the top.
4. Close the tank and be certain the red plastic cap is in place in the tank opening.
5. Observe development.



FA100 CONTENTS:

- 3- FA1012 Disposable Fuming Cylinders 18" x 9.5" dia. (45.7cm x 24.1cm) w/red plugs (3); Volume: 268 cu. in. (4391.7 cu. cm)
- 6- FA1013 End Caps (Disposable)
- 1- FA101 Universal Fuming Assistant Stand w/4 Evidence Suspension Clips