

# Model # PKATOM & PKATOM2

## 24 kt Perfume Atomizer Kit - Instructions

### Kit Features :

- Heavy 24kt plating
- Unique design
- Overall length 3-1/4" or 3-1/2"
- Reservoir able to hold any liquid

### Step 1 - Cut wood blanks

From 7/8" or larger square stock cut blanks to the length of the tubes plus 1/8". Grain should run lengthwise.

### Step 2 - Drill the wood blanks

Bore a centered hole lengthwise through each blank. Drill carefully since excessive pressure may cause the drill bit to wander and/or split the blank. Slow the feed rate and back the bit out repeatedly for chip removal. For best results - use a 19/32" HSS drill bit.

### Step 3 - Glue the tubes into the blanks

Apply epoxy or a gap filling cyanoacrylate (super glue), to the tube and insert into the blank with a twisting motion. This will spread the glue evenly. Center the tube within the blank and allow to dry.

### Step 4 - Square the ends

With a disc sander or other sanding device, square the ends of the blanks 90 degrees to the length of the brass tubes as needed.

### Step 5 - Turn the wood blanks

Install the blank on a turning mandrel with the appropriate bushing on each side. Tighten the nut snugly and bring the tailstock center firmly against the end of the mandrel. Turn or file the diameter down to any shape that your creativity dictates. For best results, turn the ends of the tubes down to be slightly larger than the diameter of the bushings.

### Step 6 - Sand

As with any sanding, progress through a range of grits. The type of wood used and the quality of the beginning surface will dictate your selection:

- 80-100 grits if rough surface or additional shaping is needed (overly thick)
  - 120-150 grits if fairly smooth and straight
  - 220-240 for final finish with most domestic woods
  - 320-400 especially on dense or oily exotic woods
- Scotch Brite® is helpful as it doesn't tend to scratch. Sand with blank spinning. For initial shaping, stick a piece of sandpaper on a board slightly narrower than each tube and use it to remove any hills or valleys. Final sanding with the grain (lathe off). To obtain a flush fit with the hardware, sand to the exact diameter of the bushings (21/32"). A little heavier look is possible by leaving more material.

### Step 7 - Finish

Try a finish of your choice but be careful if brushing on a poly, etc. you can stick the tube, bushings, and mandrel together. The following friction polish works well on most woods:

1/3 wood alcohol (methanol), 1/3 white or clear shellac, 1/3 boiled linseed oil.

Mix equal parts of the three ingredients in a bottle and shake before using. Apply with a rag to the spinning blank. Keep the rag in contact with the wood to build up heat, thus sealing the finish. Apply two coats.

### Step 8 - Touch up

With the blanks off the mandrel, lay them end to end, to decide which sets will look best when assembled.

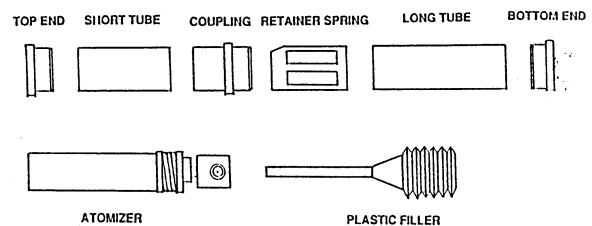
Remember, they will be 3/32" apart (due to the coupling) so minor differences won't show. If necessary, a light sanding of the ends on a block will square the ends and improve the fit during assembly.

### General Assembly hints:

- Use a clamp or vise with wood jaws to press parts together, squeeze slowly.
- Top and bottom tubes are different.. Be sure to assemble the coupling properly.

### Step 9 - Assembly

NOTE: The PKATOM2 has convex ends and a multiple ring design on the coupling, and a ring on each end



- a) Align atomizer parts according to the diagram above.
- b) Press an end piece into the top of the short blank and the bottom of the long blank.
- c) Press the short end of the coupling into the open end of the long blank.
- d) Insert the retainer spring flat end first into the long blank past the coupling through to the bottom.
- e) Fill the atomizer with your perfume or other liquid using the plastic filler.
- f) Insert the atomizer into the long blank where the retainer will secure it.
- g) Push two halves together aligning grain as desired.

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