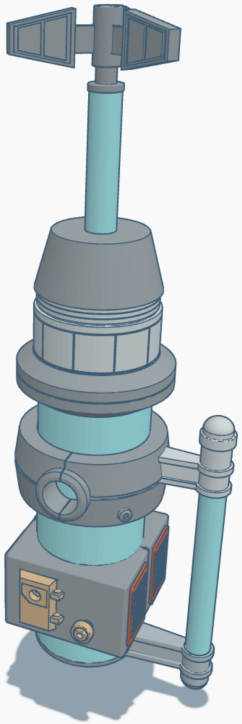
Personal Vaporator Assembly Instructions

You will first need to clean up some of the resin parts as per the instruction leaflet inclosed. The parts are not prepared and some flashing and cleanup is required before paint can be applied. The Pipes will need cutting to length and sanding to ensure they are ready for prming and painting.

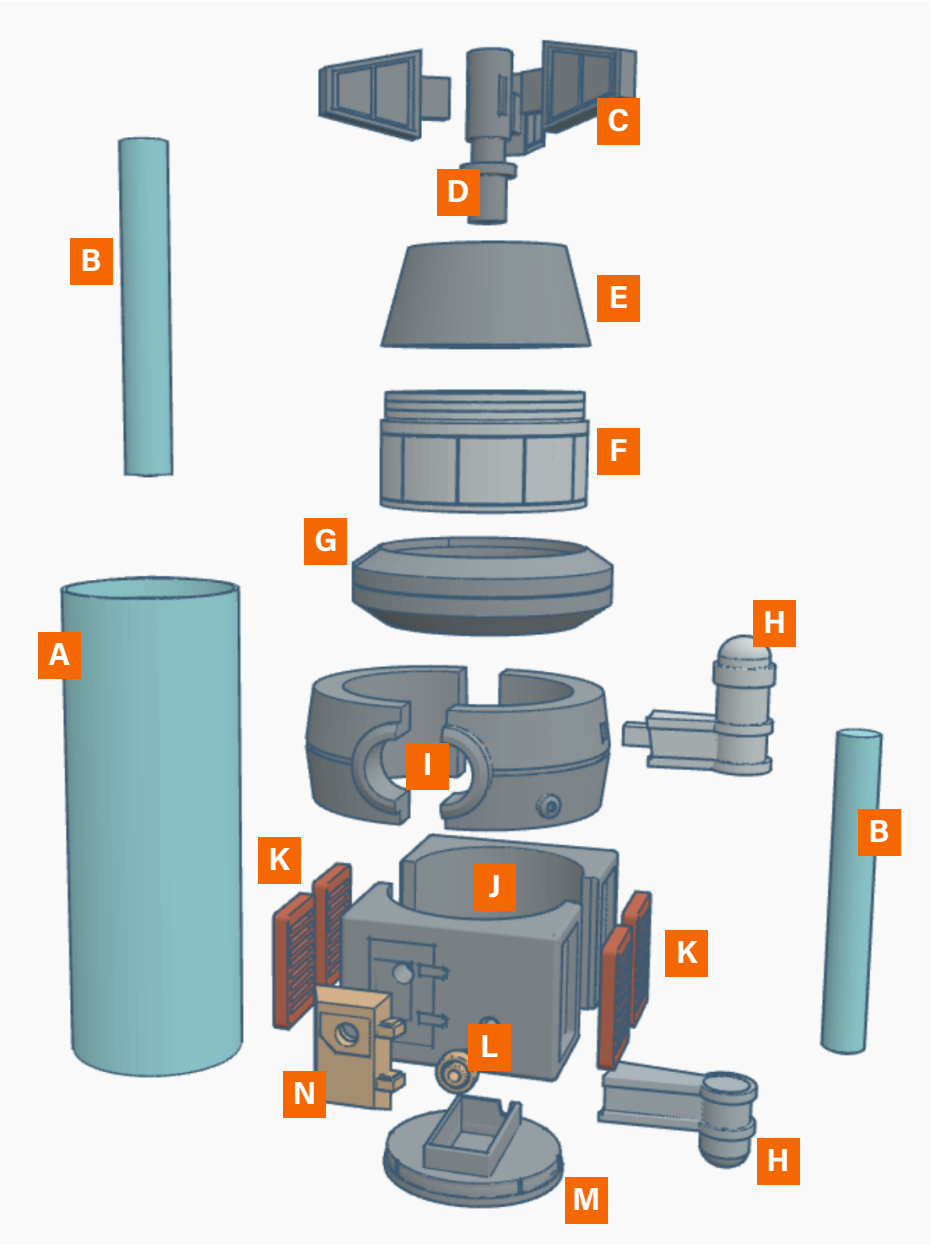
Electronics will require some minor soldering to wire up the Battery, switich and LED.



Parts List

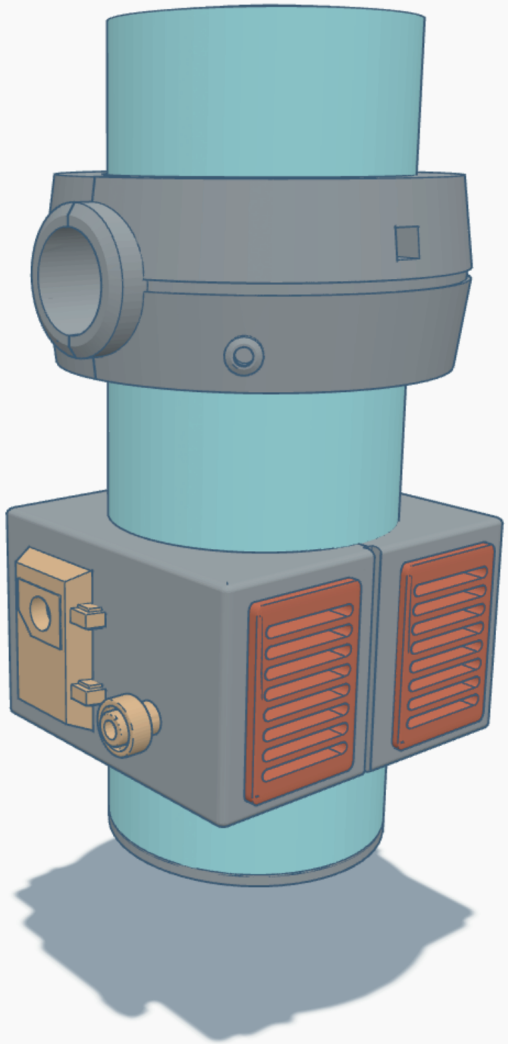
A. x1 100mm diameter pipe (needs cuttinq to 250mm lenqth)
B. x1 25mm diameter pipe (requires cuttinq into 2 parts) x
C. 3 Fins
D. x1 Fin Holder
E. x1 Cone Cap
F. x1 Detailed Rinq witq Panellinq
G. x1 Circular Saucer Rinq
H. x2 External Small Pipe Holder
I. x2 Half Round Sections
J. x2 Large Rectangular Main Sections
K. x4 Vents
L. x1 LED Holder
M. x1 Control Panel and Switch Holder
N. x1 Base Cap with Battery Holder

x1 PP9 Battery Box, x1 Flashing LED, x1 Switch



Sand and Prime Parts

Apply a light sanding using 100 or 120 grit sandpaper to the parts to remove any surface defects and prepare for priming. With the 3D printed parts, there will be some 'layer lines' and these can be removed by sanding the top surface. If required, you can fill any holes or defects in the parts using plastic putty or filler. After sanding, use your priming paint of choice.



Step 1

Ensure you have cut the 100mm diameter pipe (A) to 250mm depth and sanded the pipe in preparation for priming.

Step 2

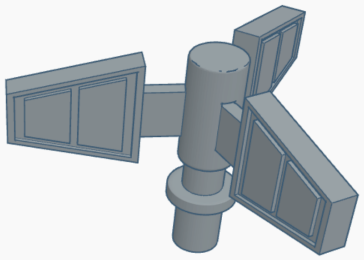
Glue the 4 Vents (K) onto the main Rectangular sections (J). Glue the LED holder (L) and control panel (N) in place into the holes available.

Step 3 - IMPORTANT

Before gluing the 2 main Rectangular sections to the 100mm Pipe (A), drill pilot holes for the wiring for the Switch and LED into the 100mm Pipe by using a pencil to mark the drill holes.

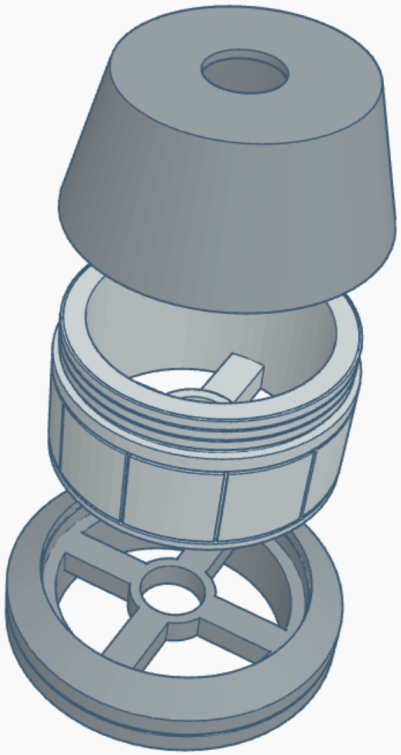
Step 4

Glue the 2 main Rectangular sections (J) to the 100mm Pipe (A) and glue the 2 circular half-round sections (I) together and onto the pipe as shown.



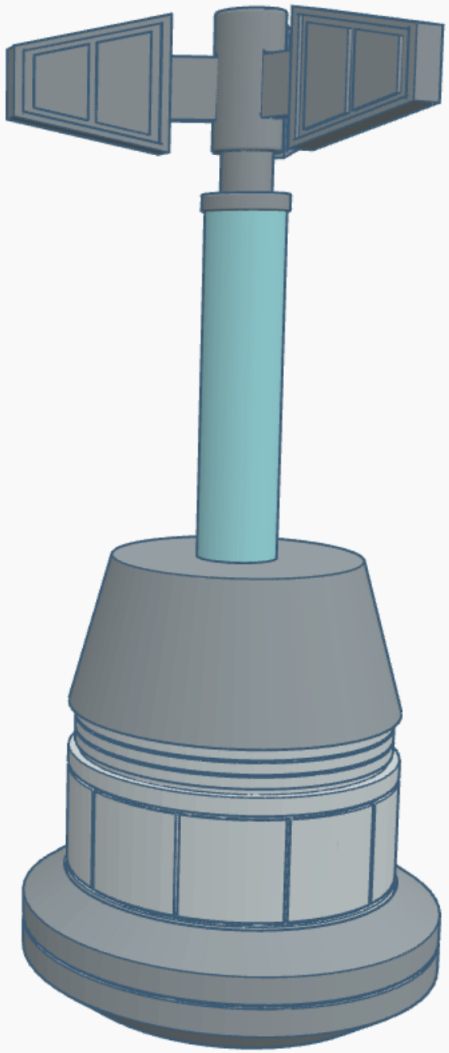
Step 5

Glue the 3 fins (C) to the Fin support bracket (D).



Step 6

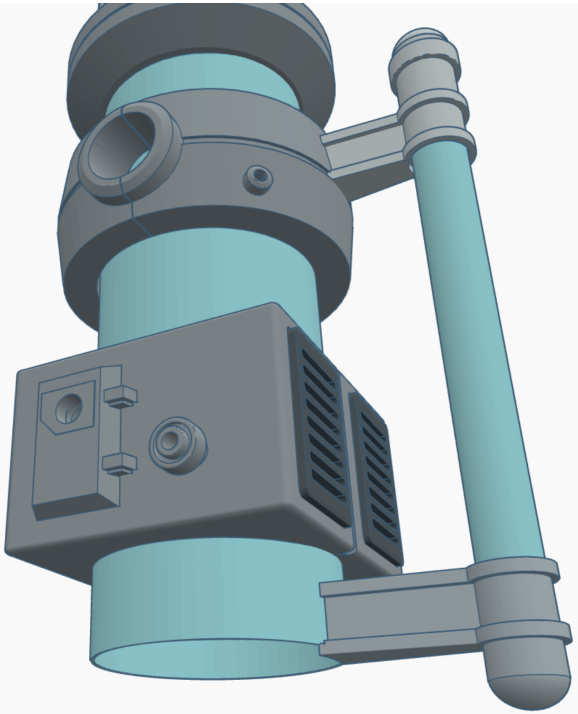
Using the 25mm pipe (B) as a guide, glue the Cone (E) to the Detailed Ring with Panelling (F) and add onto the Circular Saucer Ring (G) to the bottom. This section will fit onto the 100mm pipe.



Step 7

Cut the 25mm pipe (B) to the length you are satisfied with (c. 200mm tall) and insert into the hole in the Cone (E). There is a support inside that will hold it in place. Add glue inside to strengthen the pipe.

Next, add the top Fin Holder and Fins (C & D) to the pipe and glue in place.



Step 8

Glue the top External Small Pipe Holder (H) onto the main Vaporator unit. This part has a peg that fits into the hole in the Circular half-round section (I).

Step 9

Next, the bottom External Pipe Holder (H) needs to be aligned. A small lip on the bottom part will fit snugly over the based on the 100mm Pipe. DO NOT GLUE yet.

Step 10

Measure and cut the 25mm small Pipe (B) so that is fits between the two External Pipe Holders (H) and once you are happy with the size, glue the final parts together onto the main Vaporator unit as shown in the picture.

Step 11

Paint and weather to your own personal preference, before adding the Electonics and Switch to the inside of the unit.

Step 12

The Base Cap and Battery Holder (M) simple fits snugly into the base of the Vaporator, and will not require glue.

Wiring Diagram

You will need to carefully wire the Electronics following the diagram so that the 9v battery can powered the flashing LED when switched on. You can also use some wire connectors (not supplied) to make it simpler to assemble.

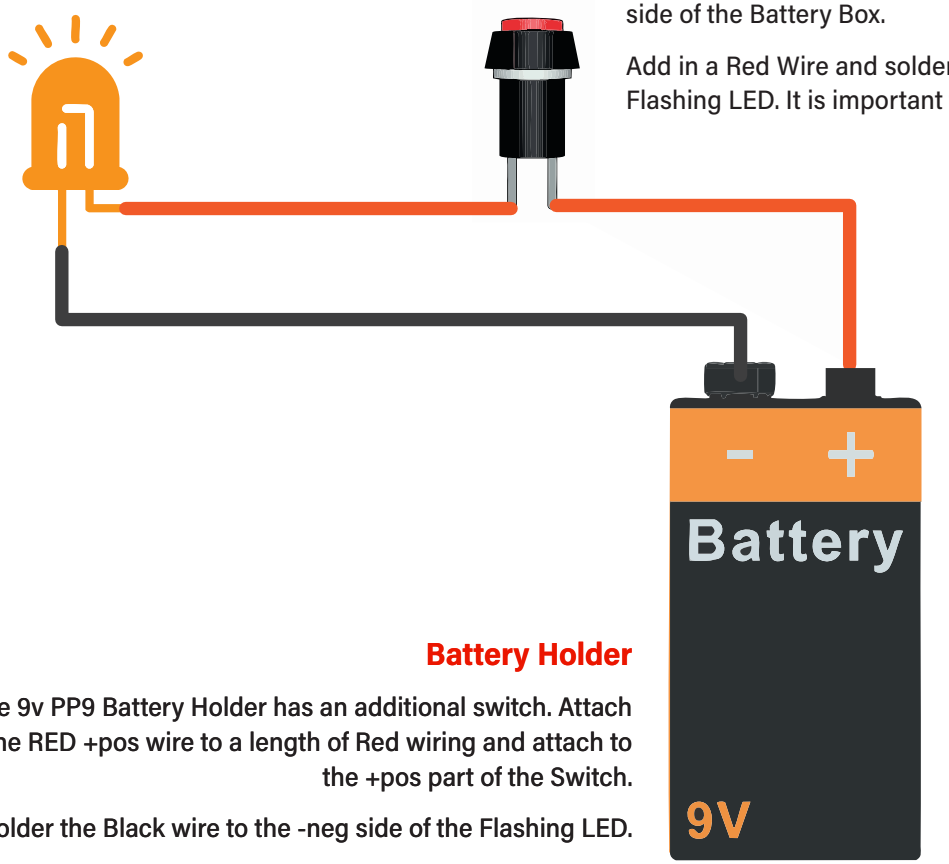
Push Button Switch

Ensure the +pos lead of the Switch is attached to the +pos side of the Battery Box.

Add in a Red Wire and solder this to the +pos side of the Flashing LED. It is important that this is done correctly.

Flashing LED

The LED is prewired with a reisistor, so you do not need solder any additional components.



TEST BEFORE FINAL ASSEMBLY

We advise you to test your wiring before assembly. Adding in some wiring connectors would assist you in inserting them inside the Vaporator Unit.

Battery Holder

The 9v PP9 Battery Holder has an additional switch. Attach the RED +pos wire to a length of Red wiring and attach to the +pos part of the Switch.

Solder the Black wire to the -neg side of the Flashing LED.