

# BUILD YOUR OWN FOG MACHINE

## Parts List:

Vape Tank - you only need the top part of a vape which is relatively cheap. This includes the heating element that creates the vape "fog".

I used one with a  $1.8\Omega$  rating.

These use around 4-5V but I used a 3V power supply to avoid over heating.

Ebay Description: KangerTech® CE4 Clearomizer eGo E-Cigarette Vape Tank  $1.8\Omega$  (1.6ml)

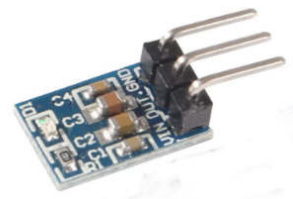
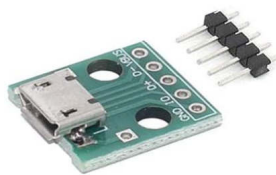


Small air pump - used to push the fog through the vape. I only had a 12V one which I ran at 5V but you can buy a range of voltages to suit your power source.

Ebay Description: DC 3-6v Small Mini 370 Motor Air Pump Oxygen Pump DIY Aquarium Tank



Power - I used a micro USB plug and converted it to 3V for the vape using these two items



Amazon Description:

10Pcs DIY Male Connector/MINI MICRO USB to DIP Adapter 2.54mm 5pin Female Connector B Type USB2.0 Female PCB Converter USB 3.0

5Pcs/Set AMS1117 Step-Down Power Module, 3 Pins 5V to 3.3V Buck Module Voltage Regulator LDO 800mA

You will also need to be able to solder the parts together.

Vape Liquid - you can use glycerine or a nicotine-free vape liquid.

Tubing - to connect the fan and the vape. Mine came with the fan but aquarium supplies should have the right tube.



KATHY MILLATT | MODELLING

# BUILD YOUR OWN FOG MACHINE

VAPE - positive to centre  
negative to outside  
DO NOT BLOCK THE CENTRE  
HOLE

5V to 3V Buck Converter

Micro USB female connector

5V power but I used a 12v DC  
fan for a more gentle fog

fritzing

Other Thoughts:

Replace the USB power with batteries if you want portability.

Different fan speeds will give different effects.

Experiment with different vape or even smoke fluids.



<https://youtu.be/A4GorvVC0FU>



KATHY MILLATT | MODELLING