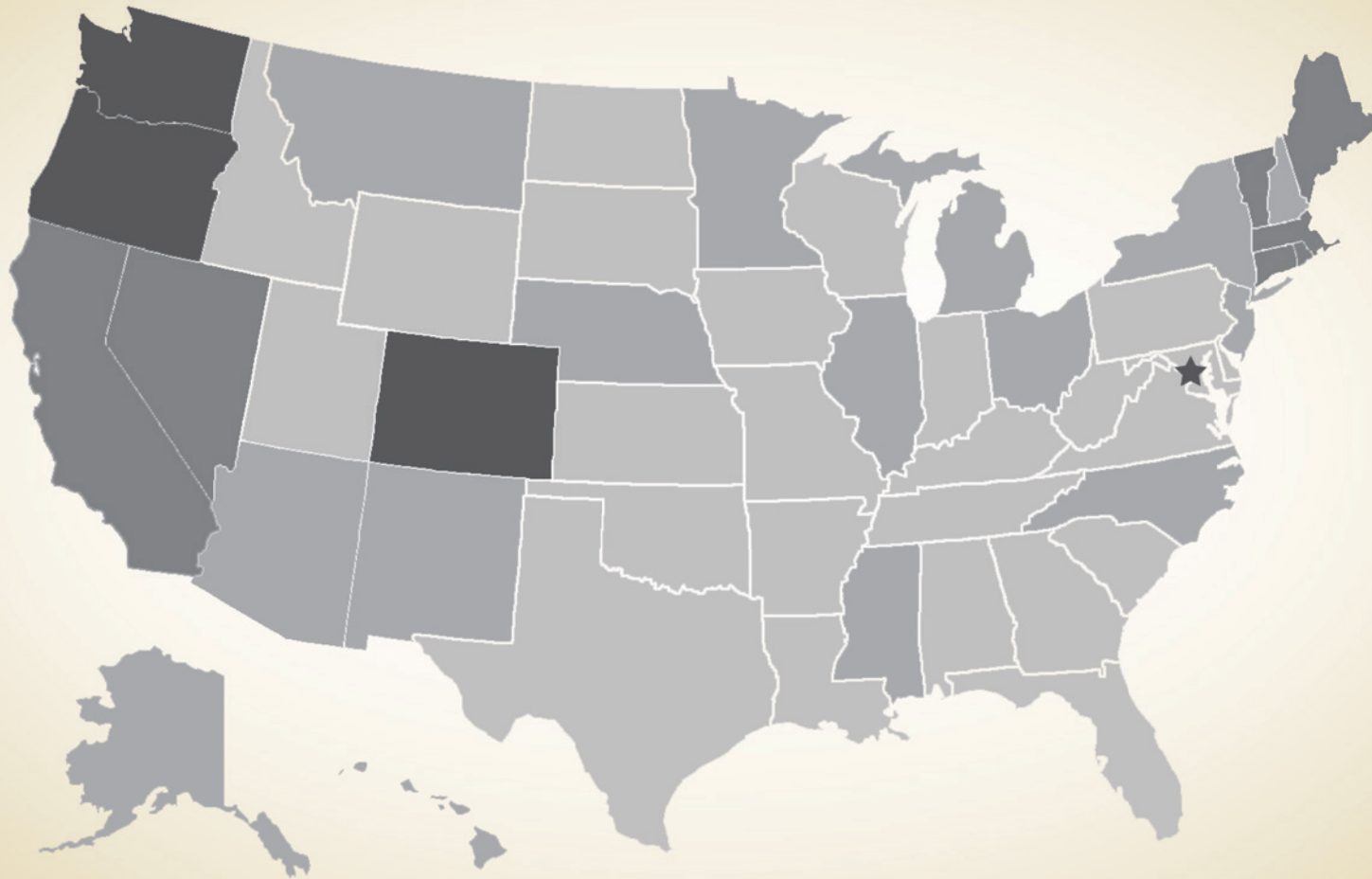





AURA

To objectively look and solve design problems.

Marijuana Legalization is bringing a lot of new consumers into the industry.



A large, diverse crowd of people is shown waiting in a line outside a dispensary. The crowd is composed of individuals of various ages, ethnicities, and professions, illustrating the text's claim that marijuana consumers are not limited to a specific stereotype. The background is slightly blurred, focusing attention on the individuals in the foreground.

This consumer does not fit the general stigma or stereotype of a marijuana smoker. They come from all walks of life and are just as professional and successful.

This is an actual line outside a Colorado dispensary.

This consumer has no brand to associate with...



≠



... As current water pipes have a connotation to them that he does not wish to affiliate with.

These water pipes do not belong in his home

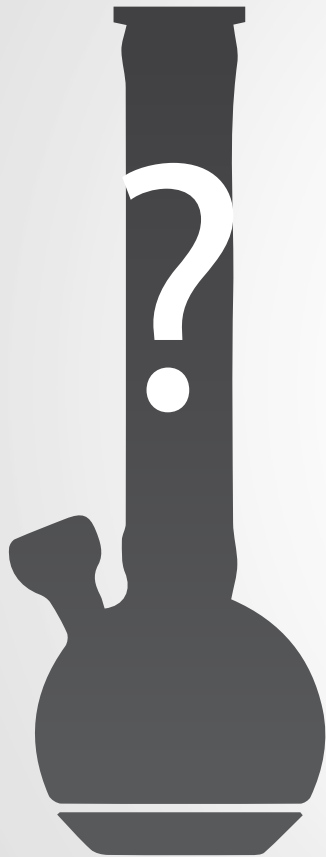


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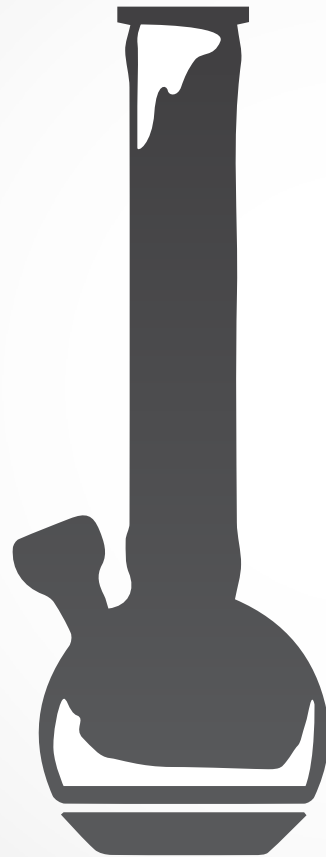


because he does not want to affiliate with a stereotype
that is quickly changing.

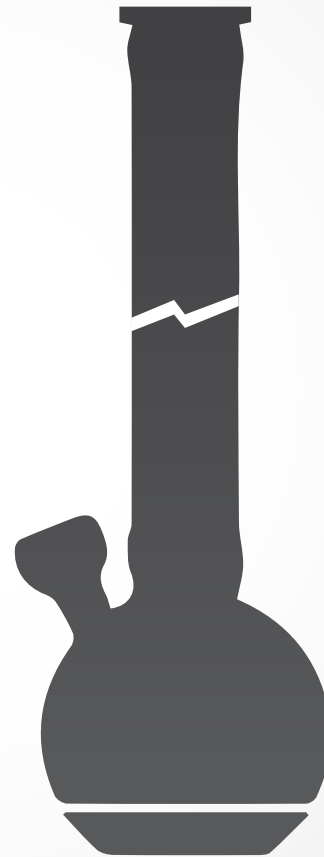
Water pipes are also inherently bad products



Non-Intuitive



Dirty



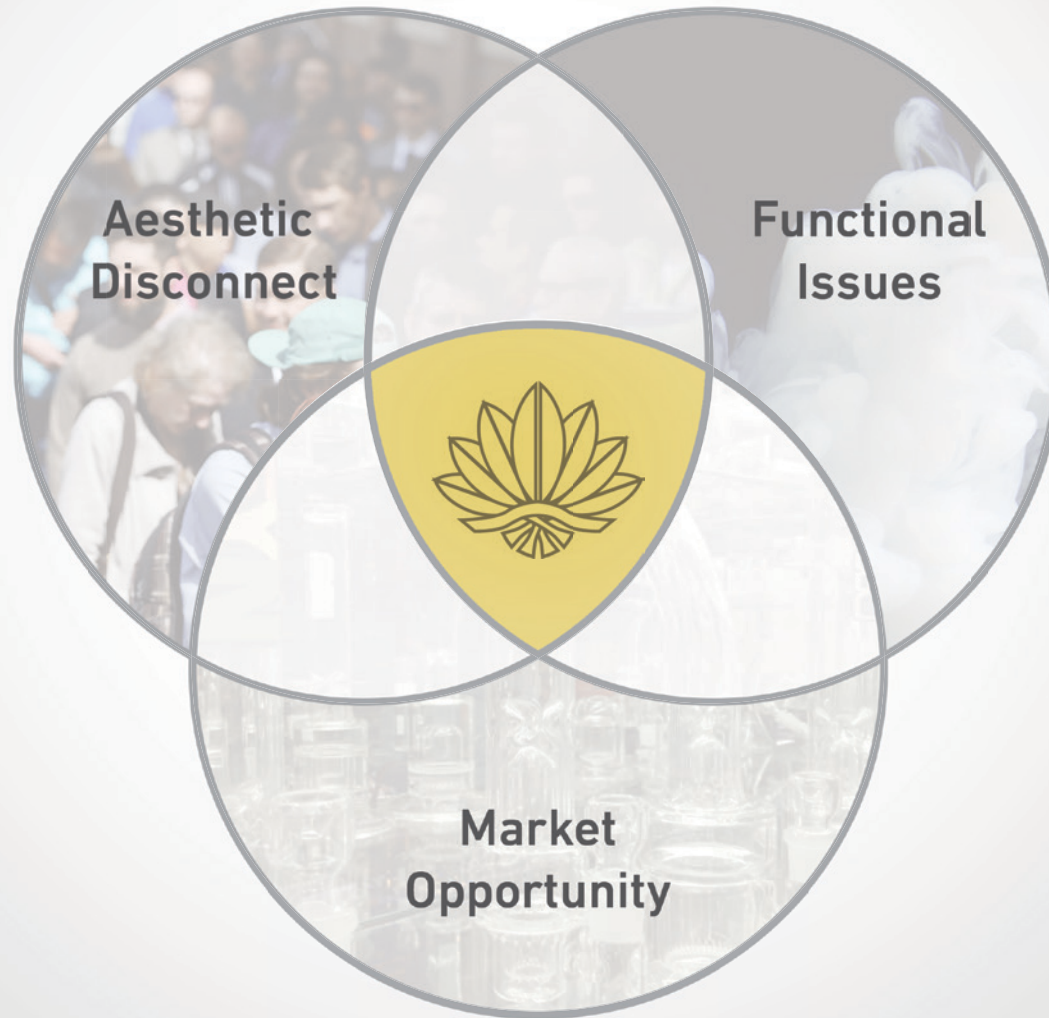
Fragile



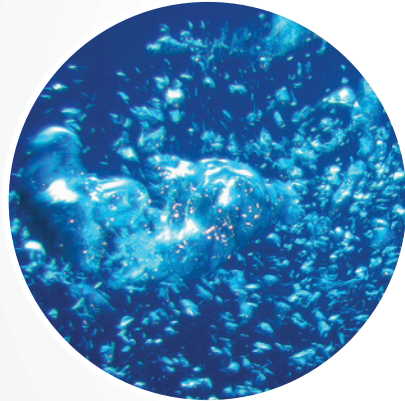
Expensive

... among other things

We used this to drive our design approach



Two Major Goals



Percolation
(For better smoke
filtration)



Cooling
(For easier smoking
experience)

Overview of current water pipes...

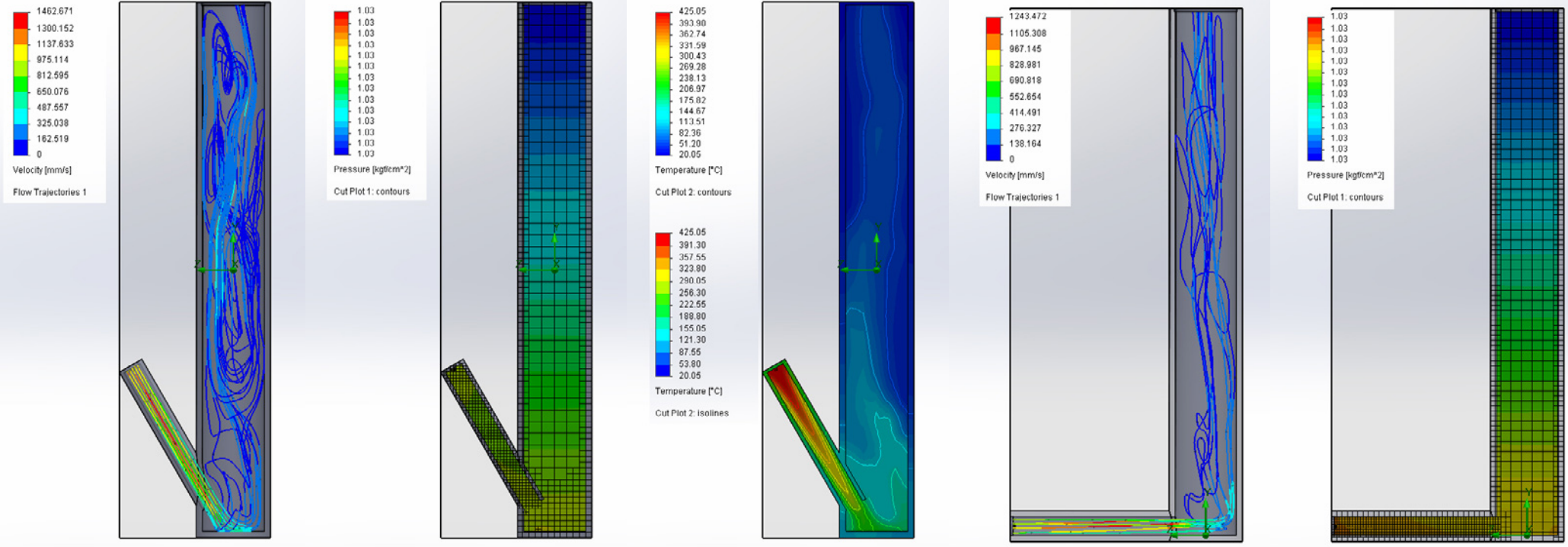


1. BOWL PIECE - This is where you load the marijuana. This piece is often very fragile, small, and also removed for loading or carbing.

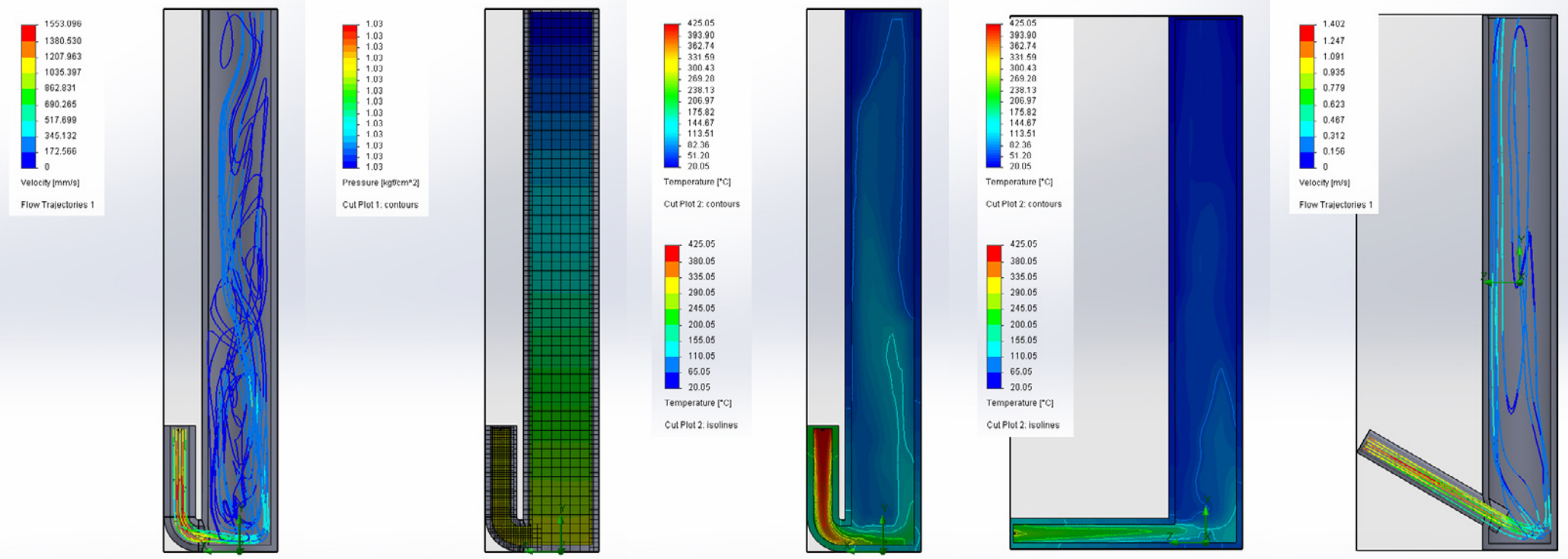
2. WATER CHAMBER - One of the dirtiest parts, the water usually sits in here for extended period of times and through multiple uses as it is difficult to get it out and clean. Often times it requires a puzzle like game to get the water out of all the sealed chambers.

3. DIFFUSERS/PERCOLATORS - Where the performance of the water pipe happens. Percolators want to make a lot of smoke, so they have tiny little glass pieces and holes. These get dirty and/or break. Either way, once these don't work the water pipe becomes useless, as theres no way to reach in there.

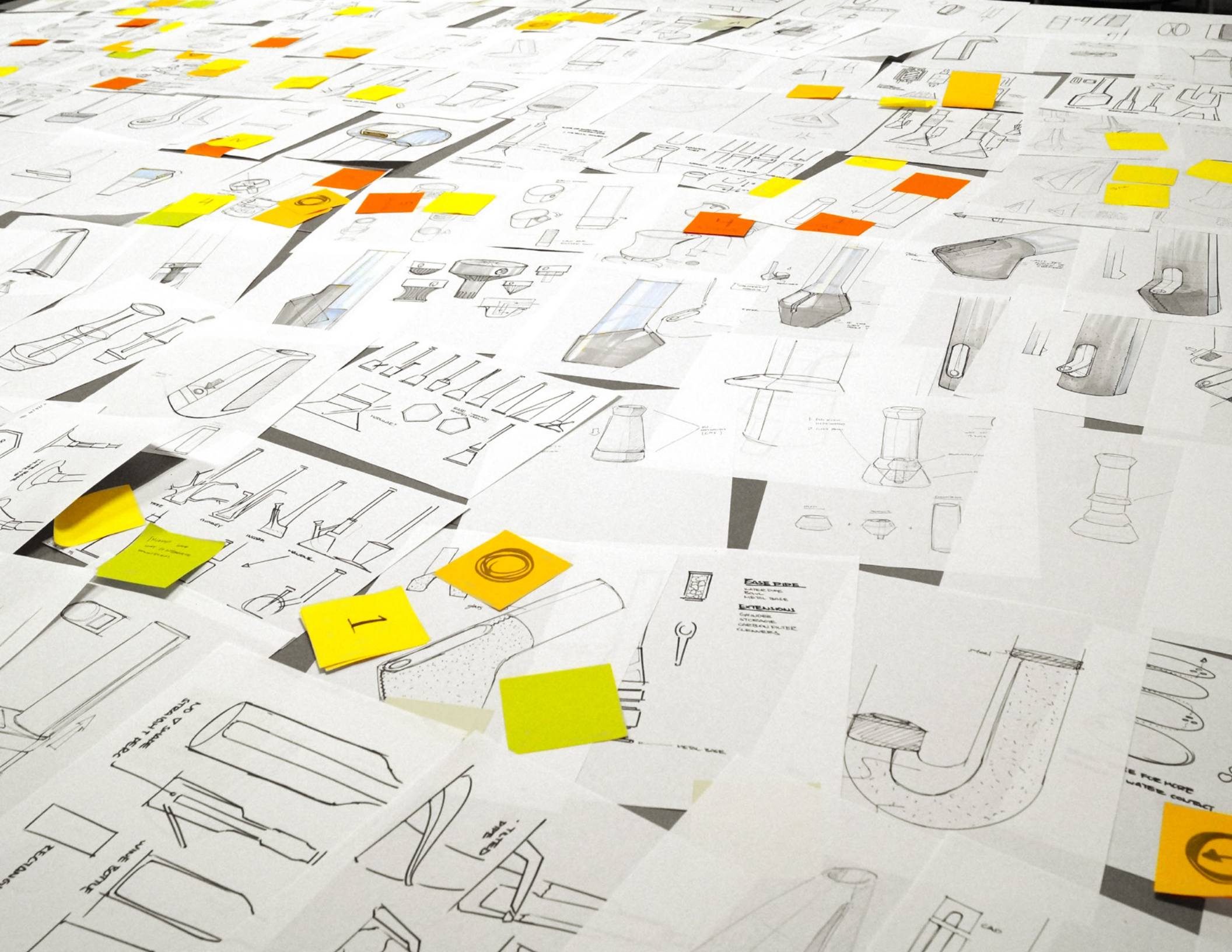
4. ICE CATCH - To cool the smoke once it's made it through the system. Ice is stored up here because it can not make it through all the smaller chambers below.



Learned the physics and fluid dynamics of water pipes, and how they work.







EASE PIPE

- WAVE DOME
- SAFETY BASE
- WAVE BASE

EXTENSION

- GRASSHOPPER STORAGE
- GRASSHOPPER EXTREME CLEANER

100% WAVE STRAIGHT BEZEL

TECHNICAL DRAWING

WAVE ZONE

WAVE ZONE

WAVE BASE

FOR MORE WATER CONTACT

1

1

1

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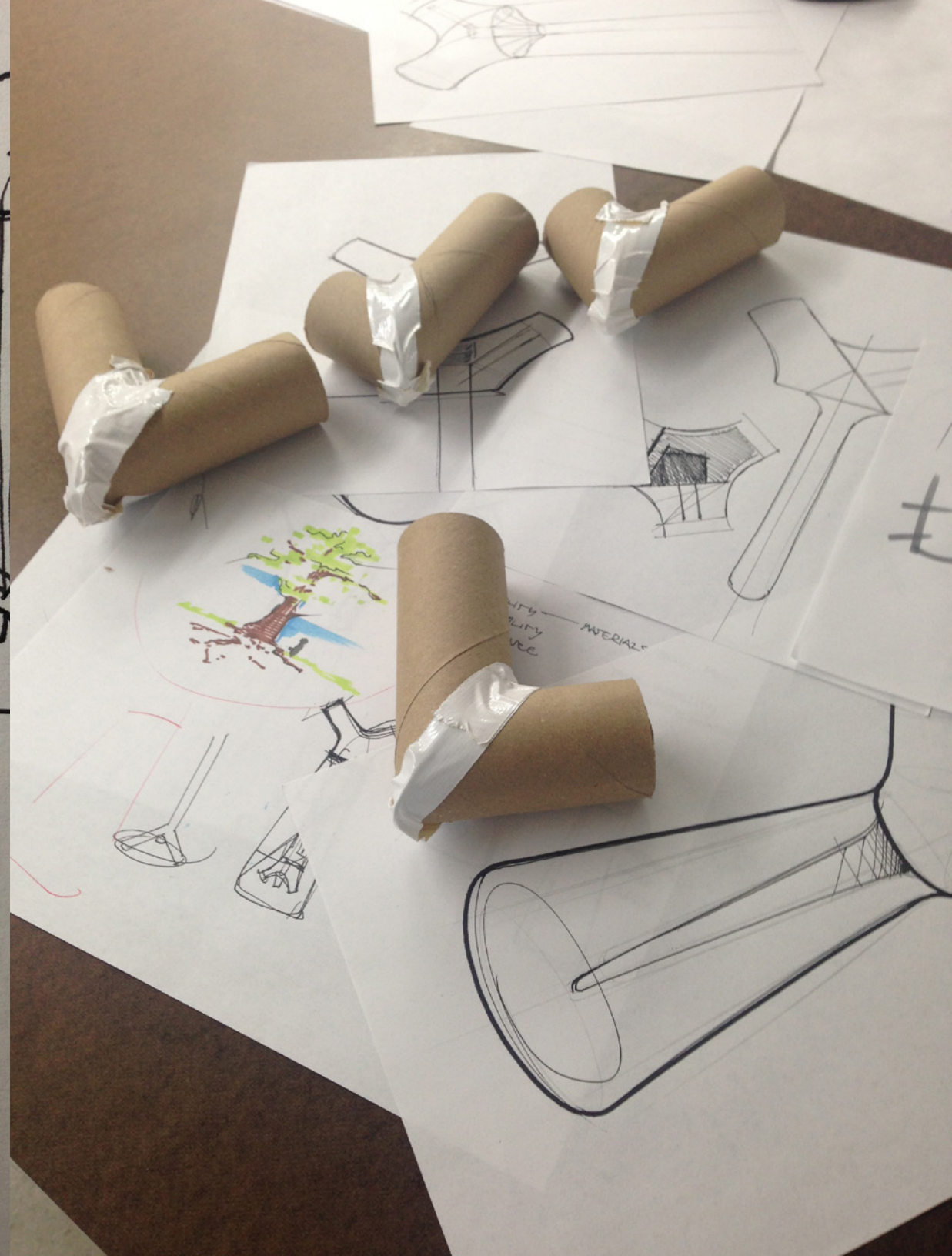
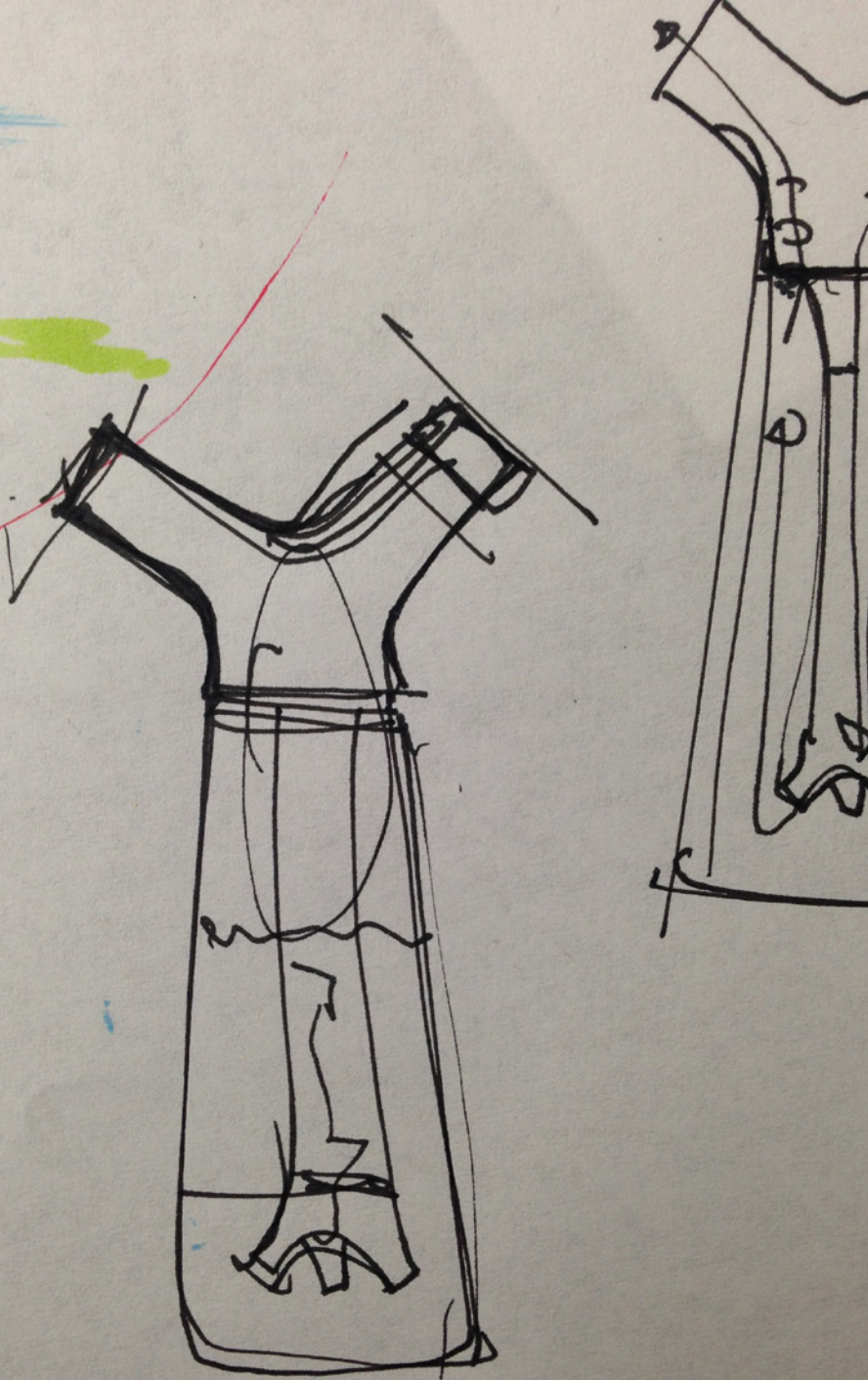


Functional water prototypes to test the percolation

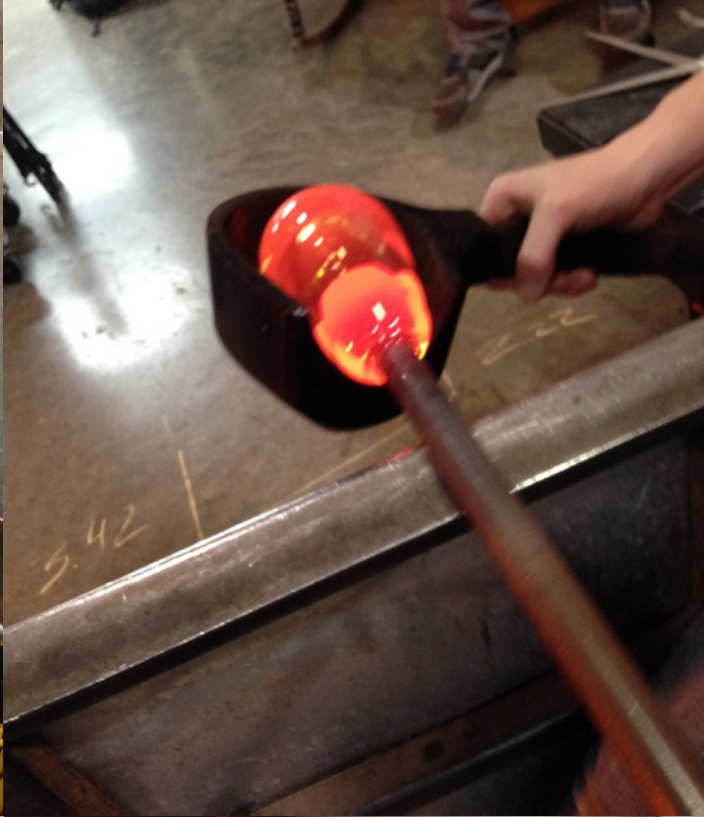




As well as physical prototypes to for ergonomics





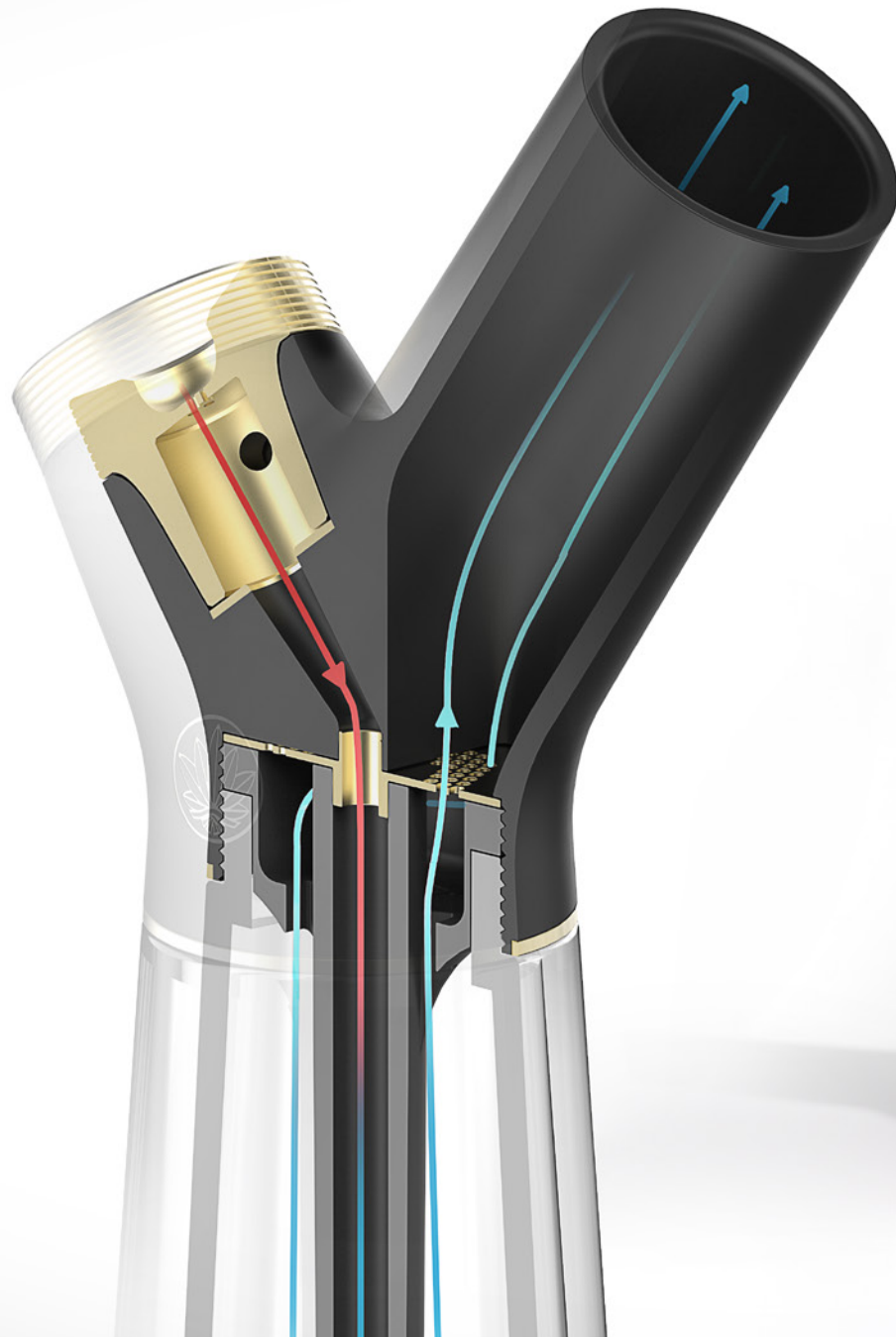




3D print working prototype



Engineered for excellent cooling, mass
manufacture, and percolation.

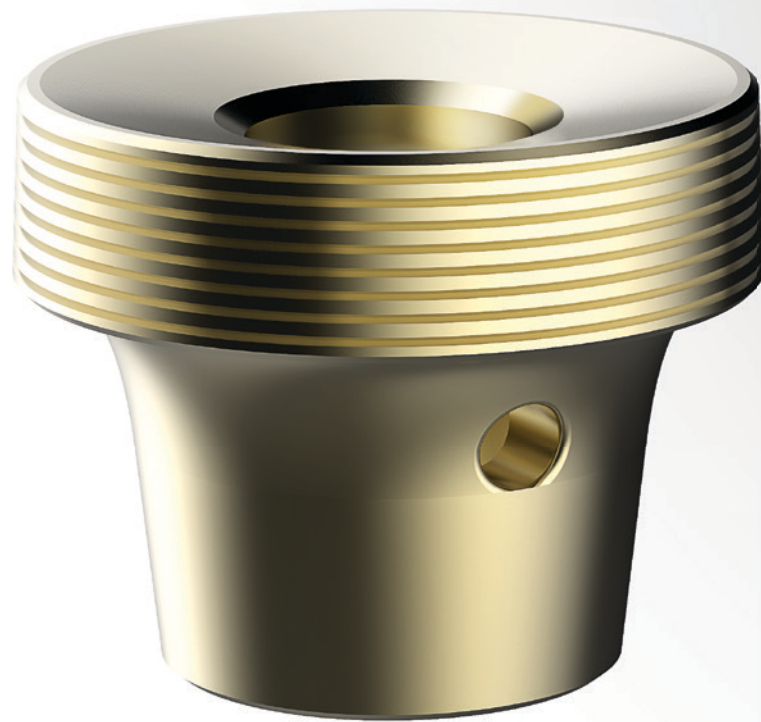




Putting ice inside not only helps the cooling but also the percolation of the bubbles

Whole system can be
dissassembled for easy
cleaning or replacement
of broken parts





The bowl piece sits flat on the table, making it easier to load up. The top also features a wide platter so you don't spill your marijuana when pouring it in.

