Why is my foam not dense?

Steps to follow

1. Make sure the water pressure is high enough
2. Look at the water connections and make sure to avoid water stops
3. Make sure you mixed your foam concentration properly with the water
4. You might have to change the position of your container
5. In case of low water flow/pressure you might need a pump

Step #1 Definition

Water pressure: is a measure of the force that gets the water through our mains and into your pipes. Water pressure should be between 20 to 90 PSI in order for the canon to work properly.

*No pressure vs pressure

Water flow: the amount of water flowing (as past a valve) per unit of time. A good water flow would be higher than 10 gal/min (38L/min).
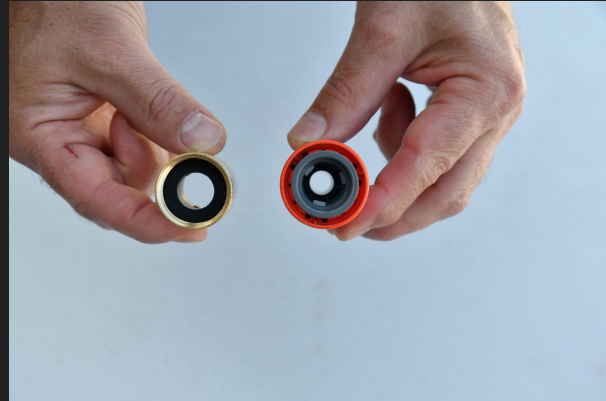
Step #2 Avoid water stops

- Equip your canon with quick-change garden hose fittings that are not providing a water stop function. If there is a water stop, use a screwdriver to remove it, usually not hard to do.
- Make sure the water exit of your house has no water stop.

Water stop

VS

No water stop

From the Hardware store

- Plastic components

- Break easily

- Leak when there is too much water pressure

From OhFX!

- Shock resistant/made of brass

- No water flow resistance

- No leaking/don't rust

Step #3 Mixing properly your solution

1. Fill your 5 gal container (20L) with 4.75 gal (18L) of water.
2. Add two bottles of the foam solution to your container. (Make sure you always put the water first)
3. Put the cap on and shake lightly the container for about 30 secondes.
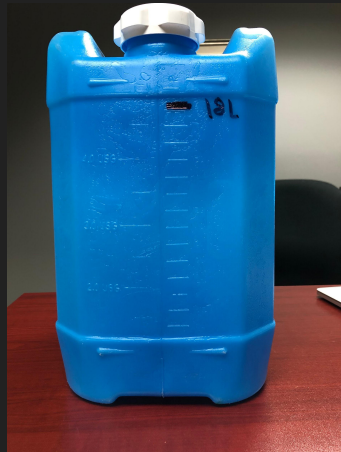
20L container

Mixing

Step #4 Container position

1. Bring your container as close as possible to your cannon.
2. Change the position of your container by lifting it higher, at the same level of your cannon.

Foam solution lifted

Step #5 The pump

- If step 1,2,3 and 4 didn't give you the foam density you wanted, use a water pump (from OhFX!) that will give you the result you were looking for (advisable pump of min. 3BAR/43PSI).

Oh!FX water pump