

A-10 MANUAL

1. Precision controlled water recirculation.
2. Hot water pump controls oil filling temperatures.
3. Tank holds 950 ml. Lower reservoir is 10 ml.
4. Custom tips to fill your cartridges.
5. Can be used to fill multiple containers. Precise weight. Precision metering positive displacement. Fill by weight, not time or pressure.

SET-UP:

1. Using a surge protector, plug in Anova Heater to the power converter source.
2. Plug converter lead to the power plug located on the top of the unit.
3. Plug in Hand/Foot switch to bottom of unit at the rear of the A-10.
4. Position and push Anova straight into water tank--DO NOT TWIST. The stainless-steel column should be below the top of the housing, not showing.
5. Into silver fill cup, on the side of the Anova housing tank, add 4 units of Glycol and top off with water.
6. Set Anova temperature to 150 degrees minimum, then adjust to preferred temperature after 10 minutes. All A-10 are shipped with a 155 degree heat switch.

***NOTE - Unit will not turn on until minimum of 155 degree Fahrenheit temperature is reached. This is a safety feature – can be adjusted with lower temperature heat switches to prevent damage to the filler from pushing cold oil through the system.

*Green Ready Light needs to be on in order for filler to operate.

On the Anova, the Temperature adjustment knob changes the temperature. The ON/OFF switch will light WHITE when ON and RED when OFF.

Check to see if on Fahrenheit (F) or Centigrade (C). We Prefer (F) - Fahrenheit. To change from (F) to (C) or (C) to (F) hold the arrow on/off button for 5 seconds.

- A. Always check water level monthly in silver cup.

KEY PAD:

RED - Screen is in Setup mode

GREEN - Screen is ON ready to cycle
(Touch Screen will time out after 10 minutes and go blank. Touch to show settings)

The shot stroke/position goes from 0.0 to 1.85. The 1.85 position will never change.

You will see a P1 and P0 on top of the screen - that is the piston location.

To calibrate shot size:

1. Touch **Edit** on lower right corner of screen - screen will turn RED and numeric pad will appear.

2. Enter shot preference, press **ENTER**, press **ESCAPE** to get back to green screen.

***NOTE - If screen is RED, the unit will not work. The first shot will be at the old calibration weight. It takes one cycle to get to your new shot settings.

FURTHER SET-UP:

1. Pour oil into unit from back and let flow down.
2. Make sure needle is free from old oil. If filler has not been in use, the oil residue in tip will cool and may clog.

***NOTE - You can use heat gun on needle to release old oil.

3. Set shot size to 0.0 and purge air out of filler to prime line. This may take 3 to 5 shots.

**NOTE - Go to Key Pad

Instructions:

4. Set shot settings.

**NOTE - Go to Key Pad Instructions

**NOTE - 1.20 is approximately .5 ml, .75 is approximately 1.0 ml

Viscosity & heat will vary these settings--these are approximate set points that will need to be calibrated.

CALIBRATION:

Example:

.75 gives you a 1.05 shot, you are .05 over. You would add .05 to lower weight to .80 to get 1.00

**NOTE - Go to Key Pad Instructions to adjust. First shot will be old calibration weight.

REMINDER - Number has nothing to do with weight. Setting range is 0.0 to 1.85 positions of the piston/actuator you are adjusting the stroke length. 1.85 position will never change. The larger the number, the smaller the shot size.

CARE:

1. Clean unit with ISO Alcohol or Grain Alcohol. Always use 'Micro Fiber' towel, NEVER paper or terry-cloth towels.
2. Place finger on upper valve then hit cycle start switch. Piston will move forward flushing oil out. Take finger off when piston is in return location. Do this until solution is clear.
3. Alcohol will not push through the machine without this finger cycling on the upper valve as it has no viscosity.

**REMEMBER - Always keep lid on machine to assure no foreign matter gets into the unit.

VERY IMPORTANT--Keep valves clean from any dirt, silicone chips, glass shards.

VALVE CLEANING:

Lower Valve: Using 5/16" socket, loosen until it releases. Soak in ISO Alcohol or Grain Alcohol. Then take air hose and blow air through valve from the needle mount location.

****NOTE** - If oil is in tank you will need to plug the upper valve with yellow thumb bolt. Thread yellow thumb bolt into upper valve. This will prevent oil from draining out of the oil tank.

For more information, Google CoolJarz A-10 Filler and review the FAQ for Online Instruction.