

# How to safely operate the Balco Waterjet Cleaner

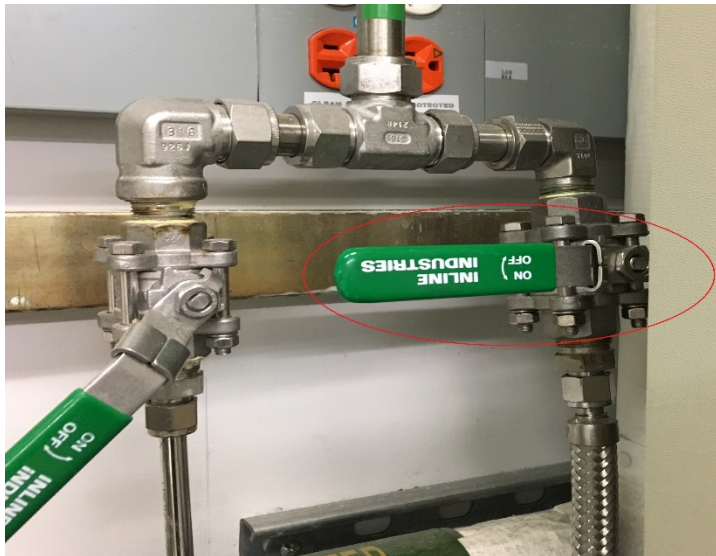
The OBJ-03006 Balco Waterjet Cleaner is used for cleaning support material from 3D printed parts. This guide will step through the process of cleaning a 3D part in a safe manner.

Step 1: Observe the PPE (Personal Protection Equipment) needed for the laboratory where you are using the Waterjet Cleaner. Presently, Safety Glasses with side shields should suffice. If you are sensitive to noise you may also want to wear some type of hearing protection.

Step 2: After removing the part from the 3D printer tray, if there are large pieces of support material that can be safely broken away from the part without causing damage to the part, remove those bits of support material and throw away in the trash. Regular trash is safe for this action as the support material is fully cured plastic.

Step 3: Proceed to the laboratory with the part(s) in a plastic bin from the 3D printer room. When entering the lab, be aware of your surroundings and look for anything that could be a safety hazard (eg: standing water on the floor, trip hazards, and alarms ringing or louder than normal noise levels.). Do not proceed to washer if there are unsafe conditions; have the situation remedied first.

Step 4: Turn on the water supply located to the left of the cleaner. The OFF position of the handle is horizontal and the ON position is a counter-clockwise movement to 90° vertical. In the picture below, the handle is circled.



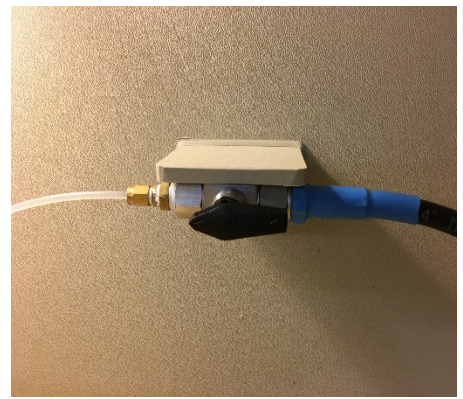
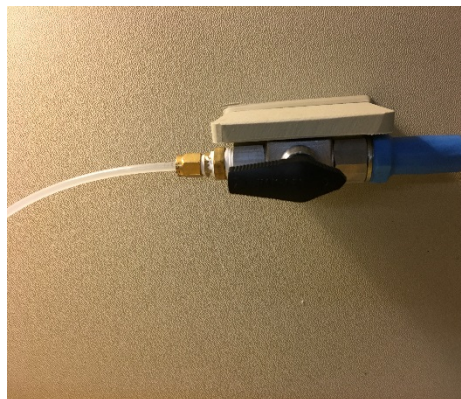
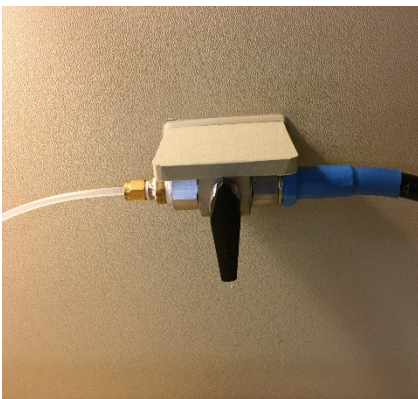
Step 5: Step to the front of the Cleaner and turn on the power by flipping the switch marked POWER to the ON position, the light inside the unit will switch on. In the picture below, the switch is circled.



Step 6: Step to the right of the machine and you will see the access panel for placing parts to be cleaned into the machine. The panel should be open, if it is not, open it by sliding the panel up. Use the screw knob to keep the access panel open by turning it in to block the channel where the panel sits. Place the parts to be cleaned inside the machine and close the access panel.



Step 7: Place your hands in the rubber gloves at the front of the machine and turn the spray switch to the right for a more forceful spray (most parts) or to the left for a finer spray (delicate parts).



Step 8: Notice the round foot switch on the floor. That switch controls the ON/OFF of the water jet. Pick up a part in one hand and one of the hoses in the other hand. Step on the foot switch and start cleaning the part.



Step 9: When you have finished cleaning the part(s), put the spray switch back to the center setting and use the compressed air hose next to the cleaner to dry the parts. The compressor hose is long enough to allow drying the parts inside the cleaner. Push down the black handle to operate.



Step 10: When cleaning is finished, the inside of the unit needs to be dried as thoroughly as is possible to prevent mold. To do this, there is a squeegee under the cleaner that may be used and drying towel on top of the machine to swab up any left over water. The access panel should be left in the open position so that it dries completely. When you have finished drying out the machine, got to the front of the machine and turn the power off. Make sure to set the water supply valve back to the OFF (horizontal) position. You are done!