



**Shimming Fill Heads
for Lower Fill Height**

**This guide will show you how
to physically lower fill heights
and create more headspace
during canning**

Tools/Hardware Needed

- $\frac{5}{8}$ " Socket Wrench
- $\frac{5}{16}$ " Flat Washers
- Fill Head Assembly





Using a $\frac{5}{8}$ " Socket Wrench,
loosen the Float Claw & Ball
assembly and remove it from
the Centering Bell Stem.



Next, place the 5/16" Flat Washers on the threading of the Float Ball & Claw assembly.

NOTE

Use your best judgement to determine the amount of washers you'll need to achieve the desired fill height. 3 washers were used in this guide as an arbitrary example.





Thread the Float Ball & Claw assembly back onto the Centering Bell Stem by hand.

Hand tightening at the beginning of reassembly is imperative! Cross threading these parts will make them impossible to remove once seized inside the block, and result in a costly replacement of the entire Fill Head.

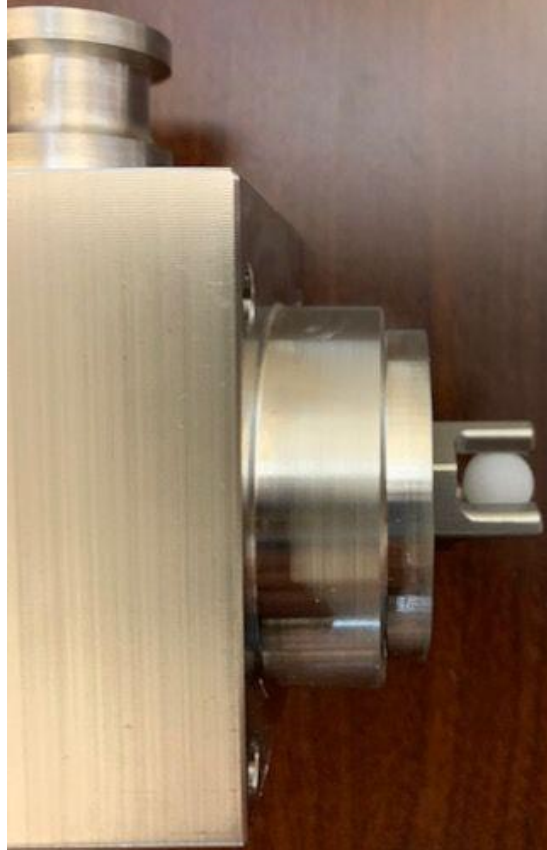
The Float Claw assembly is not hardened steel like the rest of the material used in the Fill Head assembly. This is why we strongly recommend hand threading to start.

Once you start to feel tension after hand tightening, use a $\frac{5}{8}$ " Socket Wrench to gently tighten down and secure the assembly.

**BE CAREFUL NOT TO
OVERTIGHTEN!**



BEFORE



The Float Ball will now sit lower on the Fill Head, creating a shorter fill and increased headspace.

This will allow you to physically lower your fill heights, sometimes necessary for filling flat/still product, or when using Nitrogen for carbonation.

AFTER



Closing Statements and Notes

- Ideally, this process will be done before your CIP process, so your washers will be thoroughly cleaned, and any potential contaminants from your Socket Wrench will be removed
- In the event that Shimming needs to be done in the middle of a run, it is advised that you clean your Flat Washers and Socket in a bucket of Alkaline or Caustic cleaner. Rinse and Sanitize after a ~10 minute soak, then add shims



If you have any further questions, please email: service@codimfg.com or call (303) 277-1542.

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