

# SteelTank™ Port Assembly Instructions

## Contents

1x SteelTank Fermenter	1x 1/2" NPT Nipple
1x SteelTank Fermenter Lid (with grommet)	2x 1/2" NPT Red O-ring (one spare)
1x Airlock	1x 1/2" NPT Hex Nut
1x Roll Teflon Tape	1x Ball Valve
1x Steel Washer	

Assembled port from outside in:

*ball valve / washer / fermenter wall / red o-ring / hex nut*

1. Wrap threaded nipple with three or four layers of teflon tape. For easier assembly, only wrap half of the nipple on the end that will be screwed into the ball valve.
2. Insert the wrapped nipple into the ball valve and tighten while holding onto the nipple with a pair of pliers or in a vice grip.
3. Place washer on to the nipple and insert the nipple into the fermenter port hole. The flat side of the washer should press against the outside of the tank.
4. On the inside of the tank, place one of the red o-rings onto the nipple and roll it along until it is flush as possible with the interior wall.
5. Place hex nut on nipple and tighten with a wrench.
  - Note: It's a plumbers nut, so if you examine it closely you will see one side has a slightly larger indentation. Make sure that's facing towards the fermenter wall so the o-ring can sit comfortably inside it. Also, there's no need to crank it too hard when tightening the hex nut, as that can push the o-ring out of place. A firm turn with a wrench should be fine.
  - Tip: If tightening becomes difficult, try holding the hex nut in place with a wrench and twist the ball valve on the exterior until it feels secure.
6. Perform a water test on the fermenter by filling with water and wait. If there is a leak repeat assembly again from step 1. If there are no leaks after 10 minutes, then it is ready to be used for brewing.

If you are having any problems with assembly, email [chapmanhomebrewing@gmail.com](mailto:chapmanhomebrewing@gmail.com) or call Steve at 971-533-7771, and we will answer any questions you have.