

DELUXE ALL-GRAIN SYSTEM

Official NORTHERN BREWER Instructional Document

THE DELUXE AGS CONTAINS:

MASH/LAUTER TUN

- 5 or 10 gallon cooler
- 9" or 12" stainless false bottom w/ barbed brass elbow fitting
- Bronze cooler valve and bulkhead
- 2 brass 1/2" MPT to 3/8" barbed fittings
- 3.5 feet of 3/8" ID high-temp tubing (clear)

SPARGE WATER TANK

- 5 or 10 gallon cooler
- Bronze cooler valve and bulkhead
- Brass 1/2" MPT to 3/8" barbed fitting
- 3.5 feet of 3/8" ID thermoplastic tubing (beige)
- Siphon sprayer



SETUP

CLEANING

Rinse and sanitize all components before they come into contact with wort or brewing water. After the initial use, it will not be necessary to sanitize mashing equipment before use as long as it is surface-clean.

ASSEMBLE THE MASH/LAUTER TUN

1. Thread the brass elbow into the hole in the dome of the false bottom. The elbow should protrude from the convex side, so that the false bottom sits flat.
2. Unscrew the factory-installed plastic tap on the picnic cooler; remove the tap, washer, and nut.
3. Insert the false bottom, elbow up, in the cooler. Apply one or two wraps of Teflon tape to a 1/2" MPT to 3/8" barbed fitting; then thread this fitting into the FPT port of the cooler bulkhead (the side that will be inside the cooler).
4. Install the cooler bulkhead and valve assembly as specified in the cooler conversion instructions.
5. Connect the barbed elbow fitting on the false bottom to the barbed fitting on the bulkhead. Using a few inches of 3/8" ID thermoplastic tubing,

ASSEMBLE THE SPARGE WATER TANK

1. Unscrew the factory-installed plastic tap on the picnic cooler; remove the tap, washer, and nut.
2. Install the cooler bulkhead and valve assembly as specified in the cooler conversion instructions.
3. Attach one end of a 3.5-foot section of 3/8" ID thermoplastic tubing to the sprayer; the other end of the tubing will connect to the barb on the ball valve on the outside of the tank.

CONNECTING & TESTING

1. Get set up. Your Deluxe All-grain system is powered by gravity. The sparge water tank will need to be the highest point of your system, with the boiling kettle the lowest point. The mash/lauter tun will need to be in between. Place the sparge water tank (SWT) on a table or counter; place the mash/lauter tun (MLT) on a chair or stool beneath it. The boiling kettle will rest on the floor beneath the MLT to collect the wort.
2. Connect the tubing with the sprayer to the sparge water tank valve. Let the sprayer hang several inches down into the mash/lauter tun.
3. Attach the remaining length of tubing to the mash/lauter tun valve, and let the free end hang inside the boiling kettle.
4. Close the valves on both vessels. Fill the sparge water tank with a couple gallons of water.
5. Open the valve on the sparge water tank - the sprayer should deliver a gentle drizzle of water to the mash/lauter tun (you can adjust the flow rate using the valve on the sparge water tank).
6. When a few inches of water have collected in the mash/lauter tun, open the MLT valve. You should be able to easily adjust the flow of the water going into the boiling kettle.

GETTING READY TO BREW

This battle station is operational, commander. Please read through the entire mashing and sparging instructions before starting to brew! And remember - be careful! All-grain brewing involves working with heavy vessels full of very hot liquids.