

What Equipment do I need for all grain brewing?

There are lots of easy ways to jump into all grain brewing, and no one answer is more correct than another.

To complete an all-grain brew, you need to be able to steep anywhere from 2-3 pounds of grain per gallon of finished beer in hot water. This step is called the *mash*.

Once the mash is complete, you drain the sweet wort from the grains, then (optionally) rinse the last of the sugars from the grains into your boil kettle. This step is called *lauter*.

After lautering, you'll boil the wort and add hops and any other ingredients per your recipe.

Other than the mash & lauter, the main difference between all-grain and extract/partial mash brewing is the boil volume. While you might boil partial volume boil then top off with cold water when extract brewing, you will need to boil the full volume of wort on brew day. This means you'll need a kettle or pot with the capacity to boil something like 7.5 gallons down to 5.5 gallons.

The full volume boil also means cooling the wort can be challenging. In order to cool the wort down quickly, you'll need a wort chiller of some kind.

Here are some basic configurations of all-grain brewing systems:

1 Vessel	2 Vessel	3 Vessel
1 Pot		
BIAB	2 Pot BIAB; 1 Pot & 1 Cooler	Pot & 2 Cooler; 2 Pots & 1 Cooler; 3 Pots

Brew in a Bag (BIAB) is the easiest way to get into all-grain brewing. You will need to purchase a brew bag sized for your kettle. This setup enables you to complete an all-grain brew day with minimal investment.

An example of a BIAB all-grain system:

[Anvil Forge Burner](#)

[Brewmaster 8.5 Gallon Brew Kettle](#)

[The Brew Bag 30qt-42qt Kettle](#)

[25' Stainless Wort Chiller](#)

If you're interested in a 2- or 3-vessel brewing system, we recommend planning out your space according to the number of burners you want to have, as well as your ability to lift the quantity of water involved. Water weighs 8.34lbs per gallon, so lifting a picnic cooler with 8 gallons of water in it means lifting over 60 lbs of total weight.