

TimTom Smokebomb Rauchbier

⚠ If your kit has **liquid yeast**, put it in the refrigerator as soon as possible.

The German Rauchbier is the ultimate in smoke beers. Using a large portion of German smoked malt, this partial mash has a strong malt backbone that will smell and taste of smoked meat. We've added just a hint of honey malt to create a unique and delicious flavor, like your favorite honey-smoked foodstuff. This beer can be made as an ale or lager to be enjoyed all year round no matter what your tastes.

Calculated Appx.: O.G.: 1.060 F.G.: 1.015 ABV: 5.9% IBU: 29 SRM: 17

Kit Ingredients

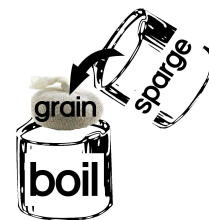
- Specialty Steeping Grains:
 - 2 lb Rauch malt
 - 1 lb Munich 10L malt
 - ¼ lb De-bittered Black malt
 - ¼ lb Honey malt
- 6 lb pilsen malt extract
- 1 oz German Perle hops (60 min)
- 1 oz German Spalt hops (5 min)
- 1 cup corn sugar for bottling
- 2 Muslin sacks to steep grains
- As an ale: Wyeast 1007, WLP029, or GY016
- As a lager: Wyeast 2308, WLP830, or GY045

⚠ Please make sure that your kit contains these items. Please call us at 608-257-0099 before brewing if any item is missing. Thanks!

Directions

Sanitize everything well! Remember to stir periodically throughout the boil!

0. About 3 to 6 hours before you brew, remove the liquid yeast from the refrigerator. If it is a Wyeast pack, break the nutrient pack inside the yeast package according to the directions on the package. Leave the yeast out at room temperature until it is time to pitch your yeast into your beer. If you want the yeast to impart more flavor, just use one packet of yeast. If you want a cleaner flavor, either use two yeast packets or make a yeast starter.
1. Fill kettle with 10 quarts of water and heat it to 160F. Pour the crushed **steeping grain** into the grain sacks equally, tie them closed, and place them into your kettle (**Note:** If your brew system allows you to boil more than 12 quarts, feel free to boil more liquid. This will allow you to get a bit better utilization from your hops and reduce caramelization). Check the temperature, make sure it is between 150F and 155F. (If you want a little more body in the beer mash a little warmer. If you want a little less body, mash a little cooler. Just make sure to keep it between 148F and 159F). Mash the grains for 60 minutes.
2. While grains are mashing, heat 7 quarts of water to 170F in a separate pot. After 60 minutes, **remove the grains** from mixture and sparge by rinsing them with the 7 quarts of hot water, collecting the runnings in your boil kettle. Then turn on the heat and bring the mixture to a boil. You will be boiling the mixture, called wort, for a total of 60 minutes. However, keep reading, because you'll be adding hops during that time.
3. When you achieve a boil, turn off the heat and empty the **Pilsen malt extract** into the hot water. (Extract may pour more easily if you open the top of the container and place it in a saucepan of



hot, not boiling, water for ten minutes prior to pouring. Do not apply direct heat to the jar). Stir extract into wort well.

4. Turn the heat back on and bring the wort to a boil. Upon initial boil the wort may foam up (called a “hot break”). If this happens, reduce the heat until the foam recedes, then turn up the heat, bring back to a boil, and maintain a rolling boil. Start your 60 minute timer at this point in the brewing process. Add **1 oz of Perle** hop pellets and boil the wort for 55 minutes. This hop addition will impart most of the bitterness to your beer.
5. After these 55 minutes, it’s time for another hop addition. Add **1 oz German Spalt** hop pellets and boil for 5 more minutes.
6. After these 5 minutes (60 minutes total), you are done boiling your beer, so it’s time to turn off the heat.
7. Sanitize fermentor, stopper, and air lock with sanitizing material according to its directions.
8. Fill the sanitized fermentor with 2 gallons of cold water (use less if you boiled more water than the recipe calls for). Cool your hot wort down to around 100-110F by placing your pot carefully into a sink of ice water for 15-30 minutes or by using a wort chiller. Carefully pour the hot wort into the cold water in the fermentor. If necessary, top up to 5 gallons with cold water.
9. Take a temperature reading of the wort. If the wort mixture in the fermentor is below 80°F (not warm to the touch), give the wort a good shake or a good stir with a sanitized metal or plastic spoon. Here you are trying to aerate the wort, which will help your yeast get going. This is also a good time to take a hydrometer reading. The number from this reading is your starting gravity. Add your beer **yeast**. Instructions are on the yeast package.
10. Seal your fermentor. Attach the fermentation lock half filled with water. If you are making this beer as an ale, ferment at 60°-72°F for around 14 days. If you are making the beer as a lager, ferment between 48-55F for 14-21 days and then lager the beer between 34-44F for 3-4 weeks. Note that it can take up to 24 hours for active fermentation to be visible. If you don’t see any activity in the air lock or foam on the surface of the beer after 24 hours, call us at 608-257-0099. If doing a double stage fermentation, siphon the beer into the glass carboy after 5-7 days (10-14 days if making a lager) in the primary fermentor (the beer may be transferred to the glass carboy as soon as the foam has fallen far enough so the carboy will not overflow).
11. After fermentation has ceased (and lagering if making a lager), you can go ahead and bottle or keg your beer. Whether you bottle or keg, sanitize everything that will contact the beer during packaging, including bottles, caps, kegs, siphon tubing, bottle filler, etc. Also, now is a good time to take a hydrometer reading. This would be your beer’s final gravity.
 - a. **Bottling, Single-Stage Fermentor:** Siphon beer into sanitized bottles. Pour just under 1 tsp. corn sugar in each bottle. Cap and turn bottles upside down several times to mix in sugar.
 - b. **Bottling, 2-Stage Fermentor:** Rack the beer carefully off the sediment into a sterilized fermentor or bottling bucket from the carboy. Bring $\frac{3}{4}$ pint of water to a boil. Turn off heat. Dissolve 1 cup of corn sugar in this hot water and stir gently into the beer. Bottle and cap.
 - c. **Kegging:** Siphon the beer into your sanitized keg, purge the oxygen from the head-space, hook up to your CO2, wait, and enjoy!
12. Store upright at room temperature (~70F) for 14 days to carbonate. Beer may then be stored at cooler temperatures to age. Beer may be consumed at any time, though it will continue to improve for several weeks.