



Sight Glass

TO CONNECT TO A 1/2" NPT PAN PORT

When sap is at a rolling boil and there is a lot of steam billowing from the pan, it can be challenging to see sap depth at any given moment. The Deluxe Sight Glass upgrade allows you to verify sap depth constantly, helping to protect both your syrup and your pans.

ANATOMY

- ①** Fire Polished Glass Tube with Measurement Sticker
- ②** Anti-Turbulence Base Seat with Two O-Rings
- ③** Pan Attachment Assembly (*The standard 1/2" NPT attachment is shown here.*)
- ④** Drain/Draw-Off Valve (*This is the ball valve that came with your 16" x 30" pan.*)

YOU WILL NEED

- Teflon Tape (*also known as "Plumber's Tape." Available at your local hardware store.*)
- Vegetable Oil
- Gonzo Spout (*optional*)

INSTRUCTIONS

1. The stainless steel fittings (elbows, nipples, Tee, and valve) should be connected as shown in the photo. (You will connect the Glass Tube and the Base Seat in a later step.) **Use Teflon Tape on ALL threaded connections** to enhance the seal and help prevent thread binding.
Please note that this kit is capable of multiple configurations. See the back of this page for more options.
2. Connect the fittings from step 1 to the 1/2" NPT port on your evaporator pan as shown in the photo. Do not overtighten.
3. Insert the Glass Tube squarely into the Base Seat. **TIP:** Rub a small drop of vegetable oil on the o-rings inside the Base Seat to enhance the ease of installation.
4. Screw the Base Seat into the "Tee" on the Sight Glass Assembly so that it looks like the photo.
5. Flat and Divided Pans have a "Level Assist" feature on the end panels to indicate where 2" depth is located. Fill your pan to that 2" depth and make sure the pan is sitting level. Next, adhere the provided sticker so that the "2" mark on the sticker aligns with your liquid level.
6. While you are boiling, strive to keep your liquid level at about 2". **The liquid level in your sight glass tube will NOT read depths that are below the level of your draw-off port.** When your sight glass indicates 1" depth, it is actually telling you that the depth is **1" OR LOWER.** **ADD SAP IMMEDIATELY!**
7. OPTIONAL: Add a Gonzo Spout or Street Elbow to the Ball Valve to enhance control of syrup during draw off.



NOTE: Use Teflon Tape on ALL threaded connections to enhance the seal and help prevent thread binding.

The parts that are ghosted in the below images are not included in your Sight Glass Kit, but may be found in your Smoky Lake Pan Accessory Kit.

If you are using a *Divided* Pan, your Sight Glass could be connected to either the *Inlet* OR *Draw-Off* Port, depending on your personal preference. If connecting to the sap *Inlet* Port on a Divided Pan, you may acquire an additional Valve/Nipple on SmokyLakeMaple.com.

CONFIGURATION OPTION #2

BENEFIT: The Sight Glass is held closer to the pan which reduces strain on the pan fittings. Also, some folks prefer having their Draw-Off Valve pointing downward.



CONFIGURATION OPTION #3

BENEFIT: Works great for an Inlet Port on a Divided Pan. By positioning a Valve between the Sight Glass and the Pan, you can isolate and drain the Sight Glass independently.



OPTIONAL ADD-ONS

Available on SmokyLakeMaple.com.



Gonzo Spout
SKU: SL-GONZO



1/2" NPT Street Elbow
SKU: UB-STRELB05



1/2" NPT Ball Valve
SKU: SL-BVALV



1/2" NPT Nipple
SKU: UB-NIP05

