

# Smoky Lake Sight Glass

## Configuration to Connect to a Smoky Lake Float Box

### ANATOMY

- ① Fire Polished Glass Tube
- ② Support Brace
- ③ Anti-Turbulence Base Seat
- ④ Pan Attachment  
*(The standard 1/2" NPT attachment is shown here. Alternative attachment options are available upon request.)*
- ⑤ T-Valve *(Dictates the path of the sap through the valve.)*

### YOU WILL NEED

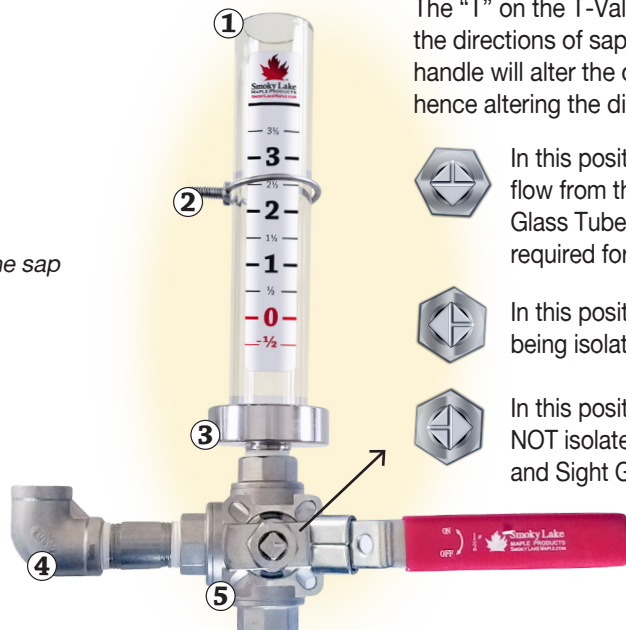
- Teflon Tape *(Use this on ALL threaded connections to prevent binding and to enhance seal. Available at all hardware stores.)*
- Vegetable Oil
- Ruler & Marker


### INSTALLATION


1. If you have not done so already, remove your float box from your pan.
2. Screw the sight glass fittings — minus the Base Seat ③ and Glass Tube ① — to the bottom of your float box.\*  
**DO NOT OVERTIGHTEN!**
3. Screw the Support Brace ② into the nut on the side of your float box.
4. Insert Glass Tube ① firmly into the Base Seat ③. *TIP: If it is too tight, rub a small drop of vegetable oil on the o-rings inside the Base Seat.*
5. Thread the Glass Tube ① through the underside of Support Brace ②. Then screw Base Seat ③ lightly into the appropriate fitting as shown in the photo. (You will tighten with Teflon tape in a later step.)
6. Reattach your Float Box ⑦ to your pan. Mark the location on Glass Tube ① which is the same height as the bottom of your pan. *(If you have a drop flue pan, the "bottom" of your pan is the TOP of the flues!)*
7. Remove the Base Seat ③ with Glass Tube ① so that you can adhere the provided sticker to the outside of the Glass Tube ②. The mark you made on the Glass Tube ① should align with the ZERO on the sticker. Last but not least, firmly reattach the Base Seat ③ and Glass Tube ① to the Pan Attachment ④.\*


### T-VALVE OPERATION

The "T" on the T-Valve's pivot point indicates the directions of sap to flow. Turning the handle will alter the orientation of the "T", hence altering the direction of sap flow.



 In this position, sap is allowed to flow from the Float Box to the Glass Tube. This position is required for normal operation.

 In this position, the Sight Glass is being isolated and drained.

 In this position, the Sight Glass is NOT isolated. Both the Float Box and Sight Glass will drain.

\*Use Teflon Tape on all threaded connections to enhance the seal and prevent thread binding.

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