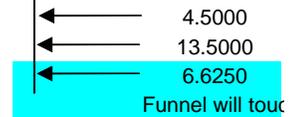


**Directions:**

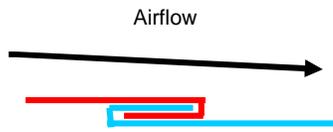
- 1- Under Top Diameter put in the hole size you want in Inches.
- 2- Under Bottom Diameter put in the Hole size you want.
- 3- Change the Start & Angle for the size Length you want.
- 4- Moving the Degree setting towards 0 will increase the length. Moving it towards 90 will decrease the length.
- 5- Lay out on a cardboard template. Add 3/8" to both sides to interconnect the 2 pieces.
- 6- Using a Protractor, find the angle degree and mark. Draw lines from the start position thru the circle area. Cut out the area that is color Red shown above.
- 7- Bend one of the 3/8 down and the other end up as in the figure above right.



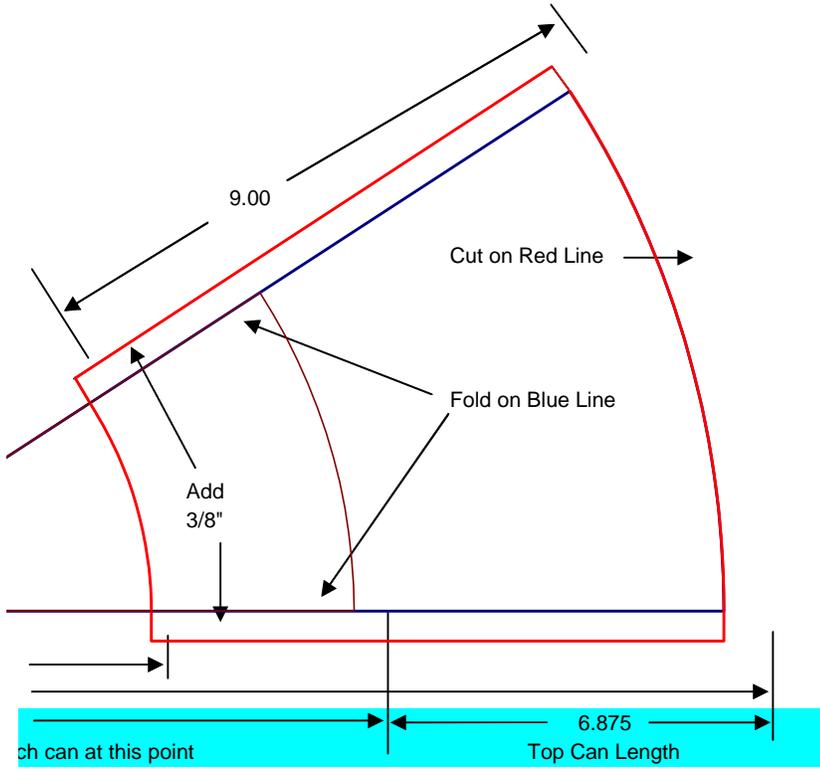
a Or

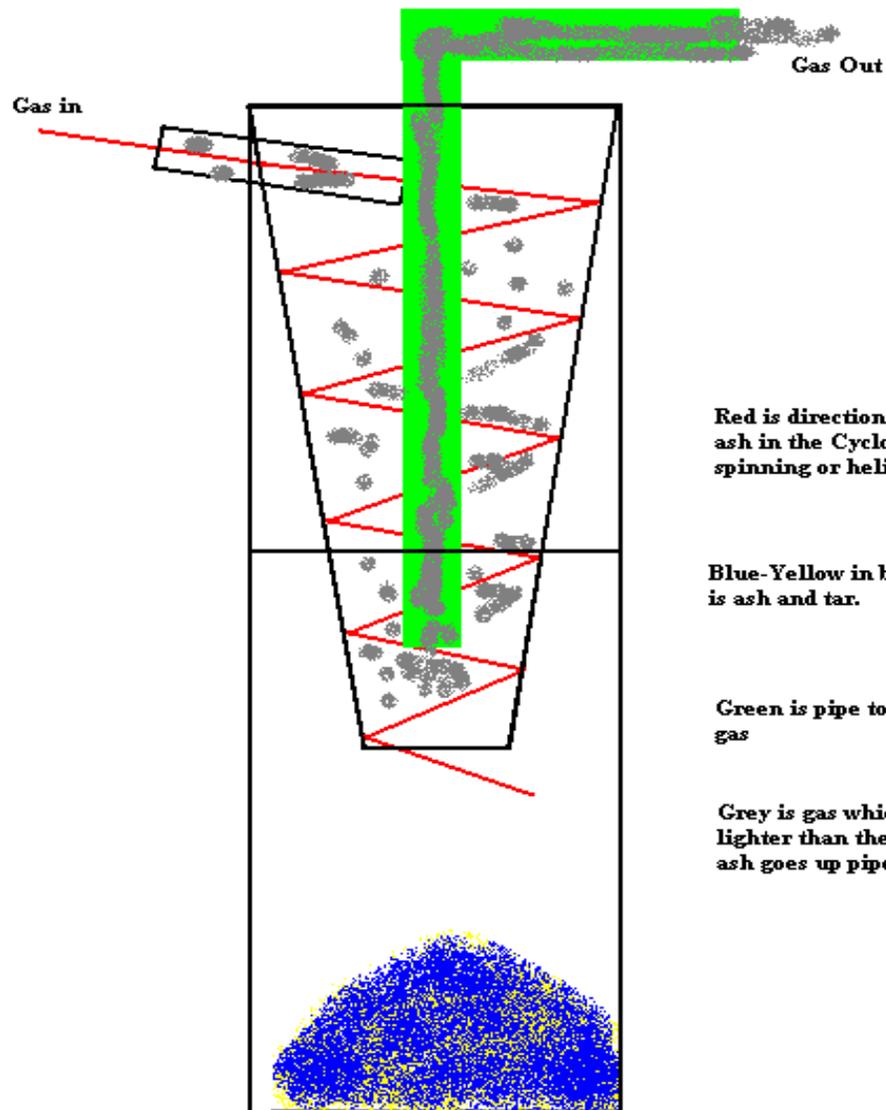


Fold 3/8" back on sides



Hammer it down





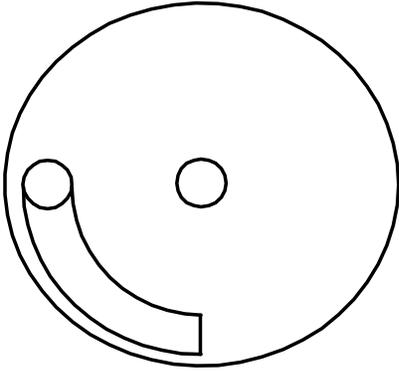
**Red is direction of gas and ash in the Cyclone spinning or helix.**

**Blue-Yellow in bottom can is ash and tar.**

**Green is pipe to collect gas**

**Grey is gas which is lighter than the tar and ash goes up pipe.**

Top View

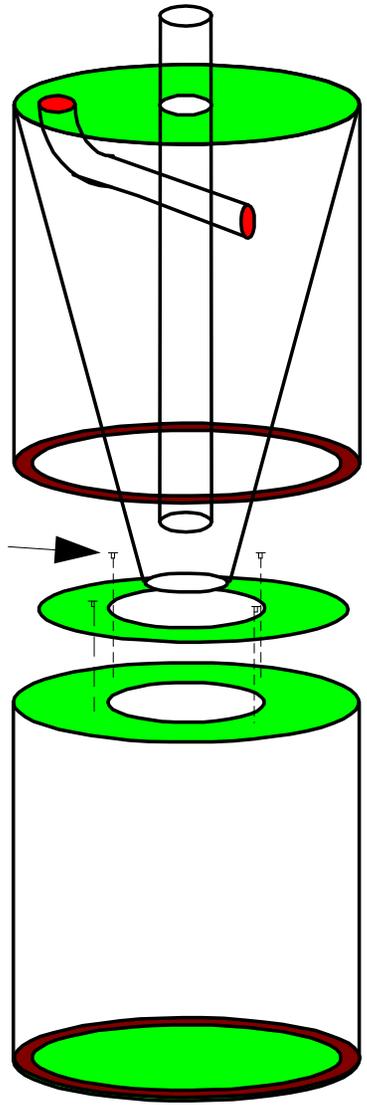


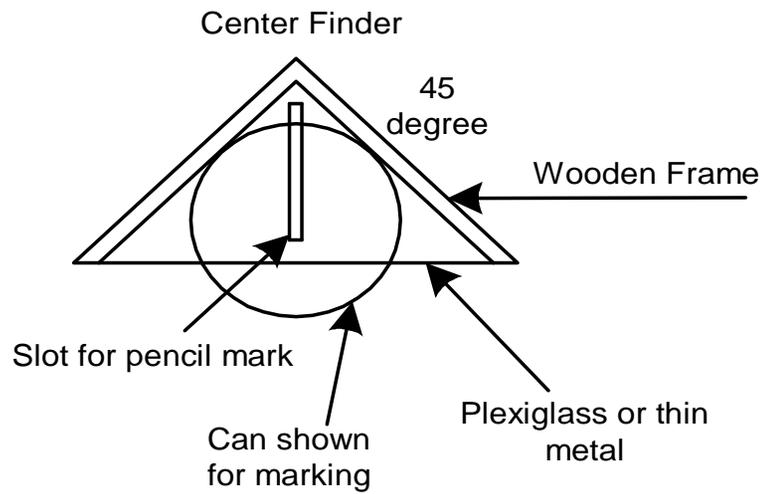
Inlet Pipe is brought in from top and angled down at 20 degree and round the inside of funnel.

Pop Rivets

Lid

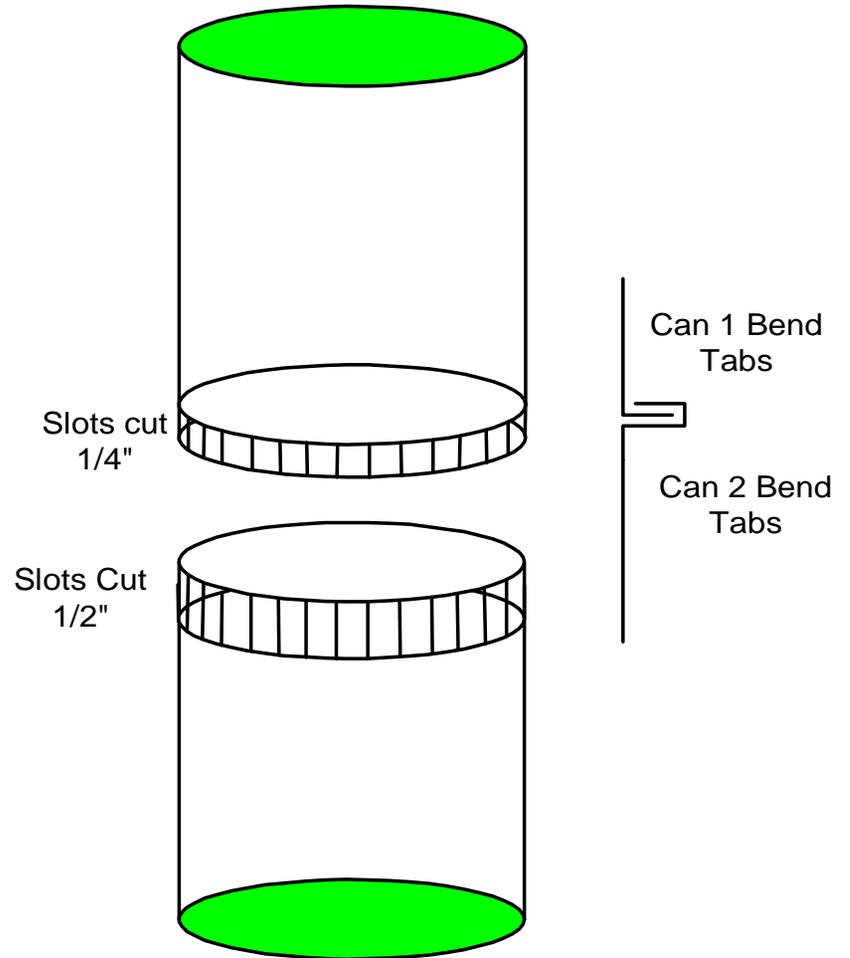
Lid so that ash can be removed

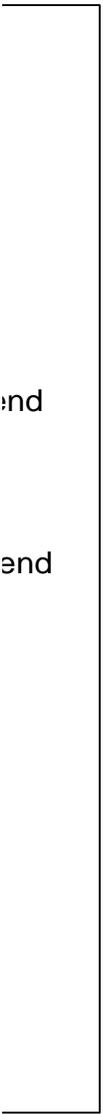




Circular Sheet  
Metal Cutter  
Ace Hardware

### Joining 2 Cans





end

end