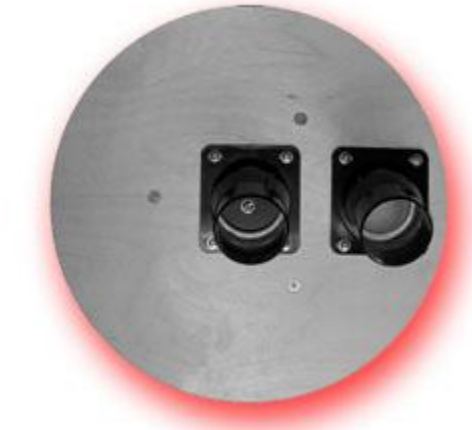
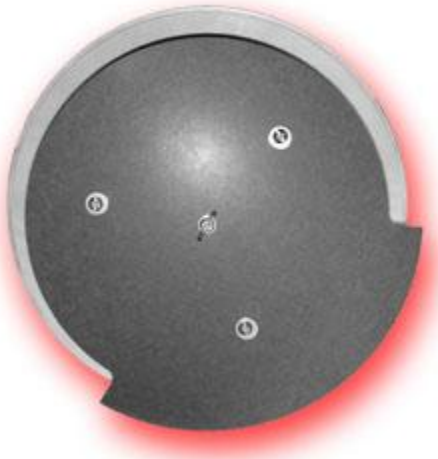
DUST COLLECTION SYSTEM

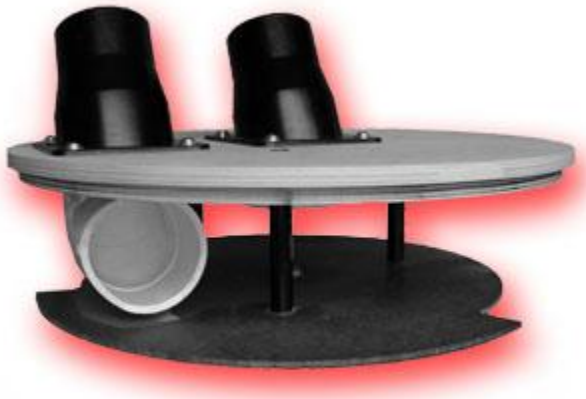
Dust Collection using Metal Can. Set outside and port in using a shop vac and remote switch.



Top of lid showing the two 2.5" dust ports I bought at either Rockler or Woodcraft. The exit port is top dead-center. The input port is positioned so the elbow is approx. .75" from the edge of the can.



The bottom view of the baffle. The baffle is cut such that its large diameter is the same as the inner diameter of the can measured at approx. 3" down from the rim. 120-degrees of the baffle is left at this larger diameter, while 240-degrees of the baffle is reduced in diameter by 2.25" (forming a 1.125" "drop slot."



The guts of the lid. The elbow was slightly modified so it can sit flush to the top of the lid and so it can hug the side of the can a little. Those spacers are made from 1/2" ABS that I cut to length and tapped for a 1/4" machine screw. The output port tube is a PVC coupler. The PVC fittings are simply hot melt glued to the plywood top.

Another view of the guts showing the relationship of the elbow to the baffle's expanded (120-degree) section. Testing indicated that this design minimized turbulence.

--Phil