

Building A Forge With A Ribbon Burner

My burner comes in from the top as appears in the Ribbon Burner attachment. I made the burner holder $\frac{3}{8}$ " larger than the burner so that the burner will easily slip in. When I cast my forge I first installed the burner so that the face of the burner was even with what would be the surface of the casting of the forge. Before casting the forge I wrapped the burner with a layer of corrugated cardboard. After the casting had cured I removed the cardboard and stuffed the resulting space with Inswool. This will allow for expansion and contraction of the burner and forge and prevent the heat of the forge from chimneying out of the forge. From the burner I have:

1. 2" ell
2. a short 2" nipple to extend out clear the forge
3. a second 2" ell
4. a second 2" nipple (6" or so)
5. a 2" X 2" X $\frac{1}{4}$ " T
6. a 2" nipple
7. a 2" gate valve
8. a 2" nipple to attach to
9. the blower.

To supply the Propane I have

1. a high pressure adjustable regulator with a pressure gage attached to the Propane supply
2. propane hose
3. $\frac{1}{4}$ " ball valve
4. $\frac{1}{4}$ " needle valve
5. $\frac{1}{4}$ " street ell into the $\frac{1}{4}$ " inlet of the T. I was unable to get a 2" X 2" X $\frac{1}{4}$ " T and had to get a 2" X 2" X $\frac{1}{2}$ " T and a 1/2" to $\frac{1}{4}$ " reducer.