

STLs ; Gcodes ; .STEP Files

I've provided extensive CAD dimensions of replications from photographic analysis of estate photographs. This is a master listing of freely available STLs, Gcodes and .STEP files formats. For those who may not know, .STEP files are for CNC machining. I personally use PCBWay, if anyone is interested. This will be updated when I design and release more.

- [3" Gas Resonant Cavity \(aka Hydrogen Gas Gun\)](#)
- [9 Resonant Cavity Cell \(.STEP files\)](#)
- [Long Tube Cells For Testing \(STL files\)](#)
- [Coil Winding Machine \(STL files\)](#)
- [Wire Straightener & Length Measuring Machine \(STL files\)](#)
- [EPG \(STL files\)](#)
- [Steam Resonator](#)

3" Gas Resonant Cavity (aka Hydrogen Gas Gun)

The design is centered around market available semi-clear 3" PVC pipe. As of 12-7-25, I've not have CNC machined versions. Until I get around to that, please only focus on the below given STLs.

Coming Soon

9 Resonant Cavity Cell (.STEP files)

Semi-clear PVC pipe (USA - Ebay distributor): [Semi-Clear PVC Pipe](#)

Main Cell Body: [Main Body-NineResonantCavity_12-31-25.step](#)

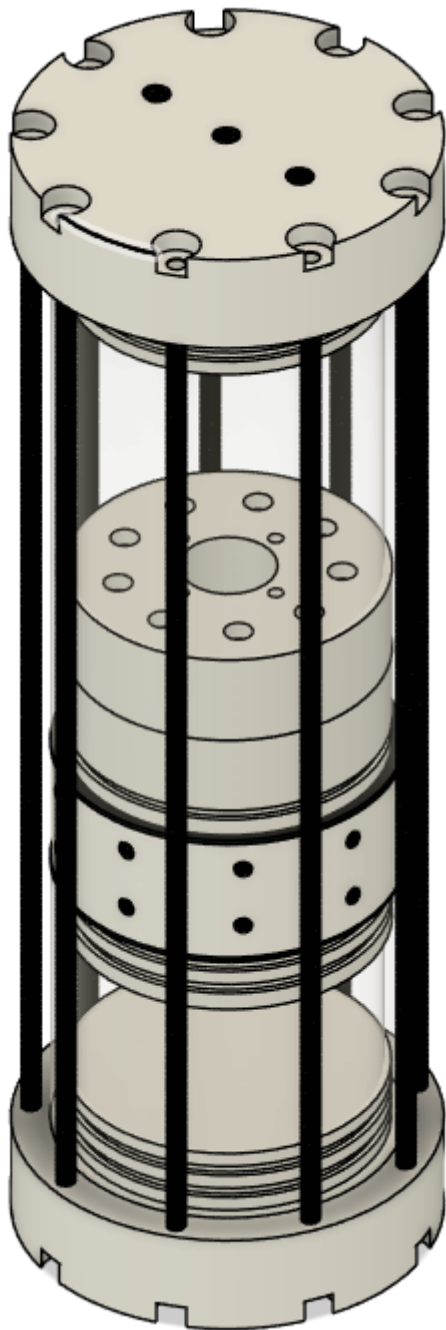
Electrode Cap: [ElectrodeCap-NineResonantCavity_12-31-25.step](#)

Top Plate: [TopPlate-NineResonantCavity_12-31-25.step](#)

Bottom Plate: [BottomPlate-NineResonantCavity_12-31-25.step](#)

4 Inch Milled Inner Electrode: [InnerElectrode-NineResonantCavity_12-31-25.step](#)

Complete Assembly:



Long Tube Cells For Testing (STL files)

Coming Soon

Coil Winding Machine (STL files)

Coming Soon

Wire Straightener & Length Measuring Machine (STL files)

Coming soon.

EPG (STL files)

Coming Soon

Steam Resonator

The following .STEP and STL files are from Memo WFC 423-DA. The .STEP files have been provided for CNC machining. STLs are for 3D printing. Discrepancies were found with Stan's original dimensions. A 3D printed model was built and the .STEP files were modified to reflect the corrected dimensions.

NOTE FROM ETHAN CROWDER: I've used PCBWay's CNC machining services without any issue. Our group is not affiliated with them, nor do we receive any sponsorships for mentioning them. I've provided these for free so anyone in the world with the resources can have the electrodes made. Gerber files for the PCB are provided as a link below.

There are certain individuals that have a habit of taking other's work and claiming it as their own. While I won't name them here, please understand that the .STEP and STL files will probably show up on other websites, possibly for purchasing. The files provided here are FREE OF CHARGE. The original Memo WFC 423 DA diagrams are included for clarity.

PCB Gerber Link: [Steam Resonator PCB Gerbers](#)

STL FILES

Steam Resonator S/R Mount Base: [SRMountBlock-SteamResonator_12-31-25.stl](#)

Steam Resonator Insulation Block: [InsulationBlock-SteamResonator_12-31-25.stl](#)

Steam Resonator End Cap: [EndCap-SteamResonator_12-31-25.stl](#)

Steam Resonator Terminal Cap: [TerminalCap-SteamResonator_12-31-25.stl](#)

Steam Resonator Delrin Nut: [DelrinNut-SteamResonator_12-31-25.stl](#)

.STEP FILES

Steam Resonator Inner Excitor Rod: [InnerExcitorRod-SteamResonator_12-31-25.step](#)

Steam Resonator Outer Excitor Tube: [OuterExcitorTube-SteamResonator_12-31-25.step](#)

Steam Resonator S/R Mount Base: [SRMountBlock-SteamResonator_12-31-25.step](#)

Steam Resonator Terminal Cap: [TerminalCap-SteamResonator_12-31-25.step](#)

Steam Resonator End Cap: [EndCap-SteamResonator_12-31-25.step](#)

Steam Resonator Mount Pin: [MountPin-SteamResonator_12-31-25.step](#)

Steam Resonator Stem Plate: [StemPlate-SteamResonator_12-31-25.step](#)

Steam Resonator Insulation Block: [InsulationBlock-SteamResonator_12-31-25.step](#)

Steam Resonator Delrin Nut: [DelrinNut-SteamResonator_12-31-25.step](#)

WFC 423-DA DIAGRAMS:

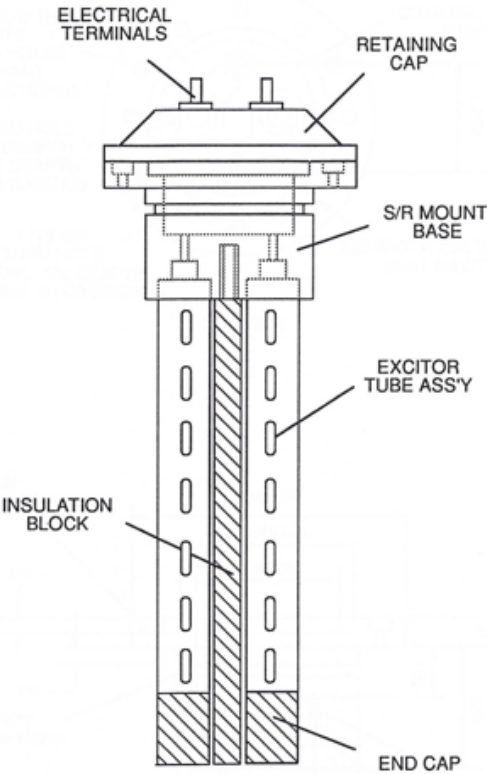


FIGURE 13-1: STEAM RESONATOR ASS'Y

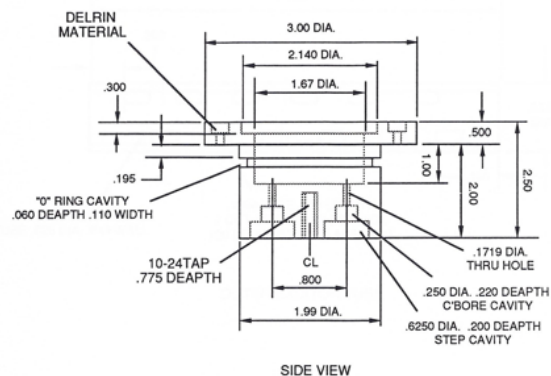
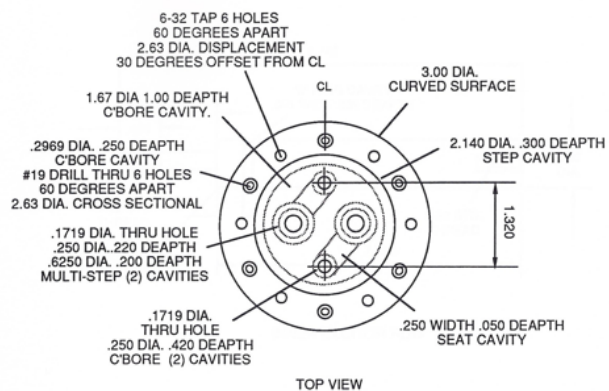
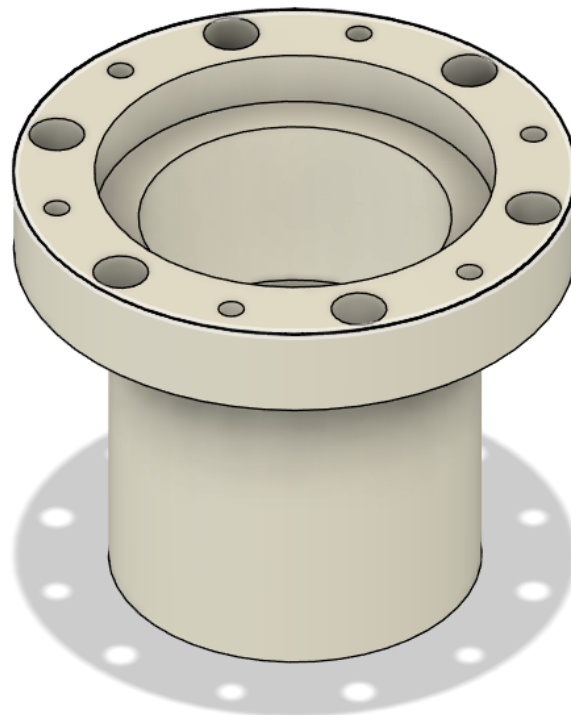


FIGURE 13-2: S/R MOUNT BASE



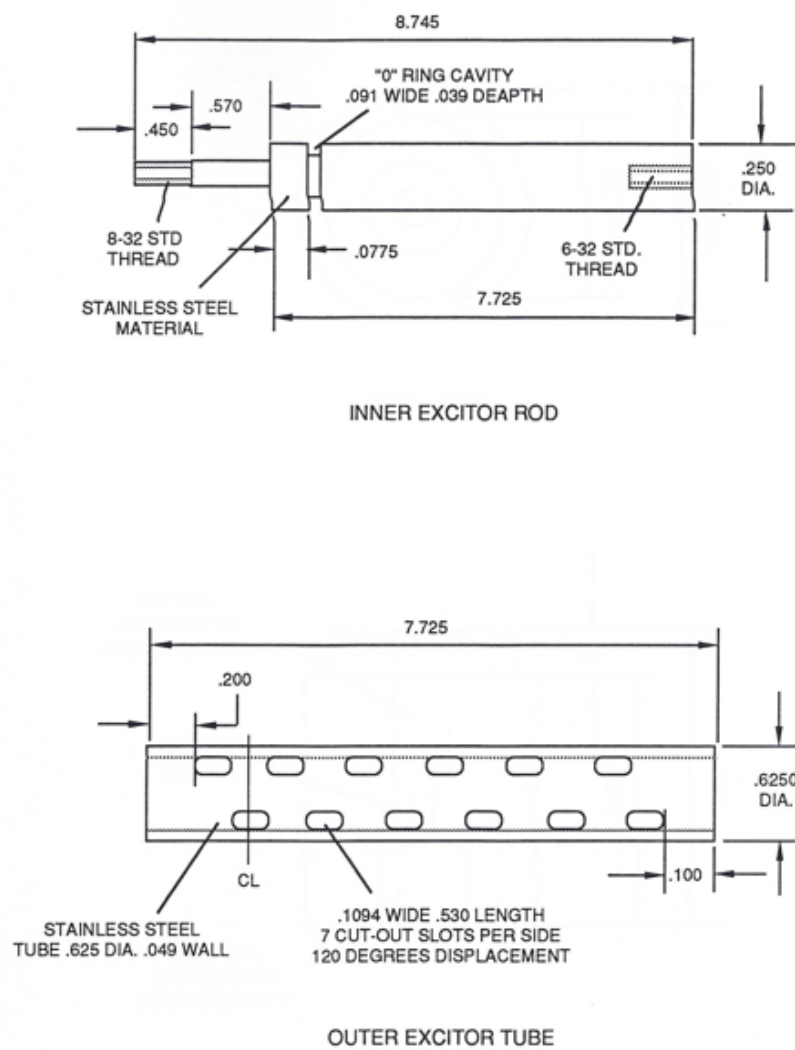


FIGURE 13-3: EXCITOR TUBE ASS'Y

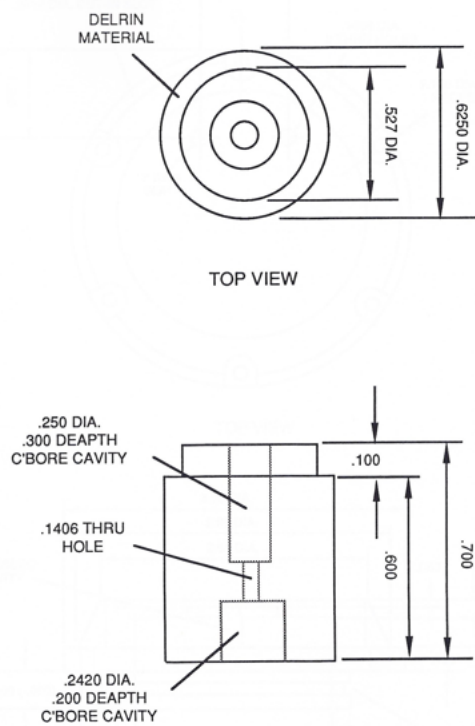
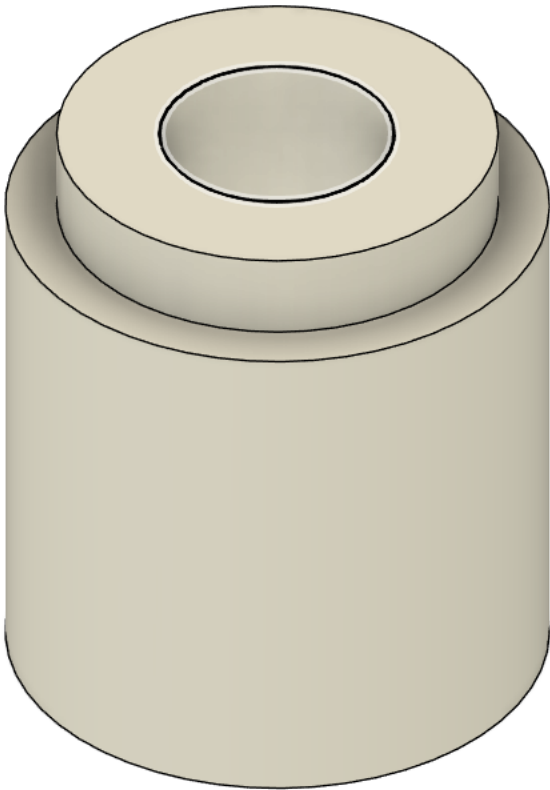


FIGURE 13-4: END CAP



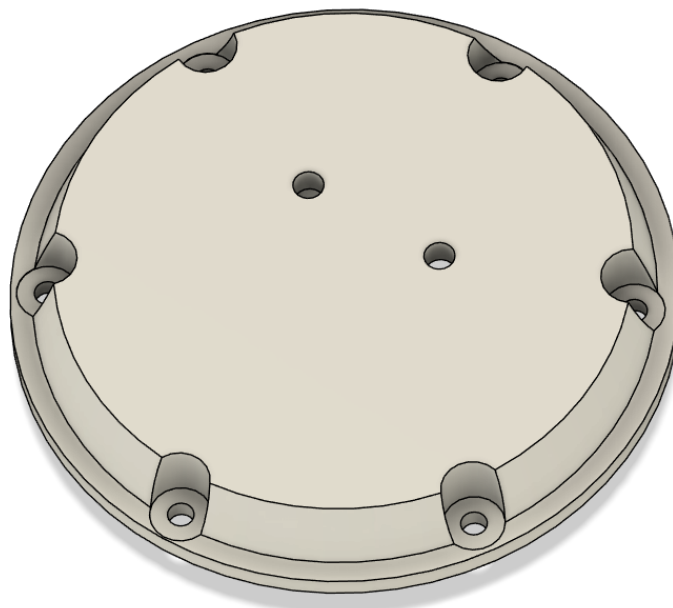
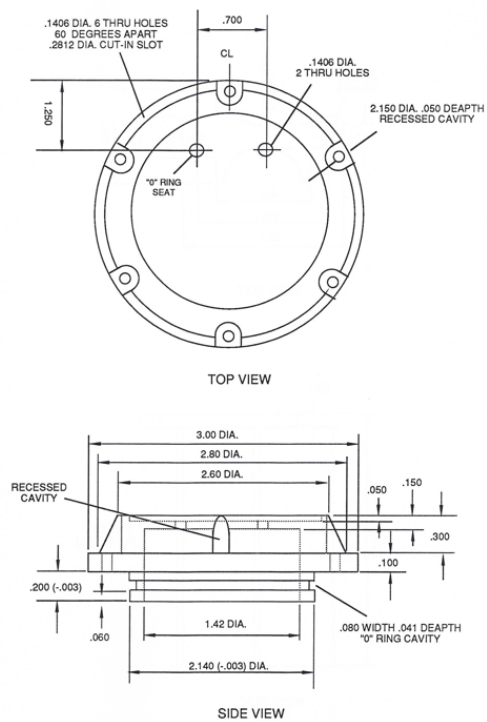


FIGURE 13-5: TERMINAL CAP

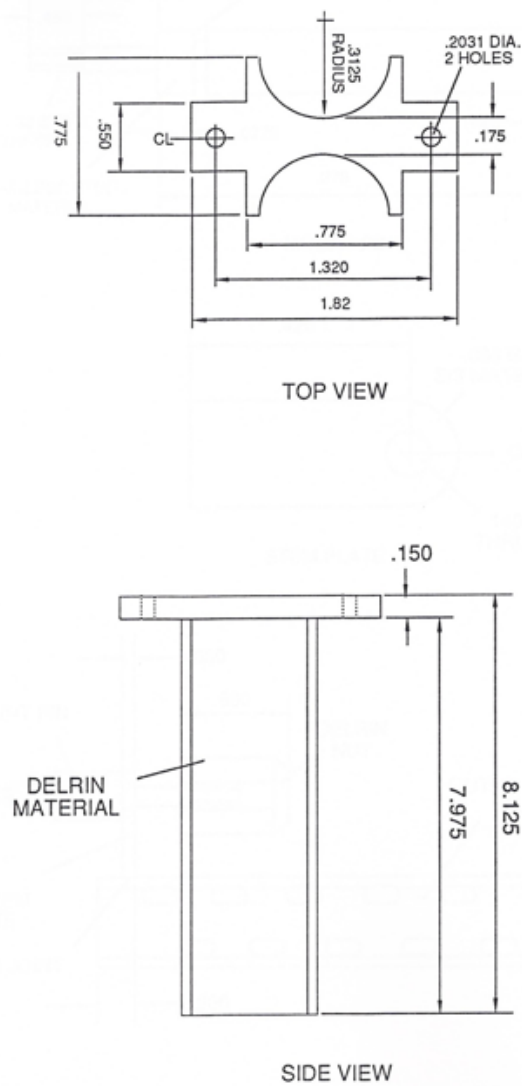
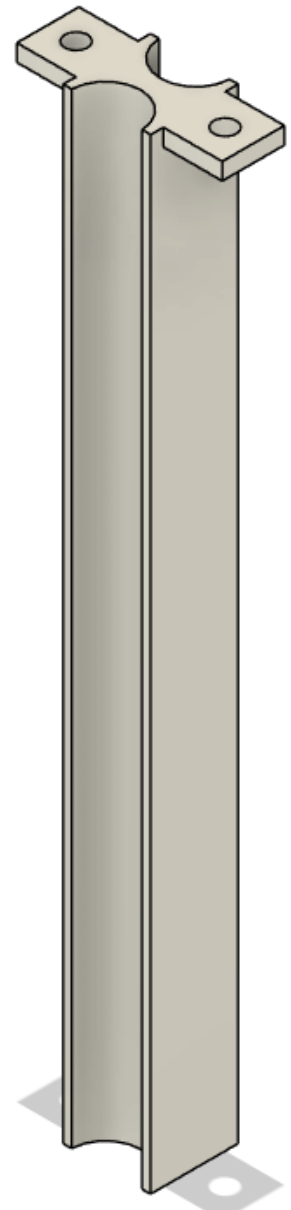
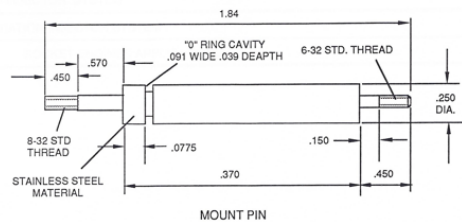
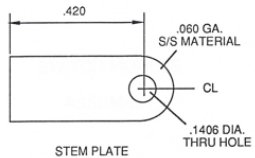


FIGURE 13-6: INSULATION BLOCK





MOUNT PIN



STEM PLATE

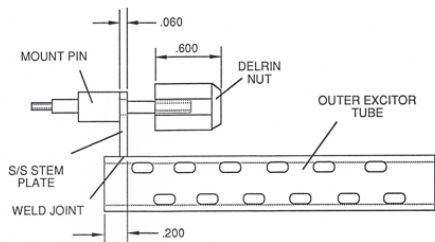


FIGURE 13-7: TERMINAL POST ASSY

