

5. Nichrome tubes are heated, causing a thermal shock to the air being fed.  
A middle section tube was added to create redundancy, and improve filtering and air purification quality

6. the nozzle that feed the redundancy, was modified to ensure, more air would flow through it, than the outlet nozzle.

4. A ceramic heat sink assists to stabilize the chamber temperature

7. after filtering the air is cooled again, causing a second thermal shock, and improving filtering

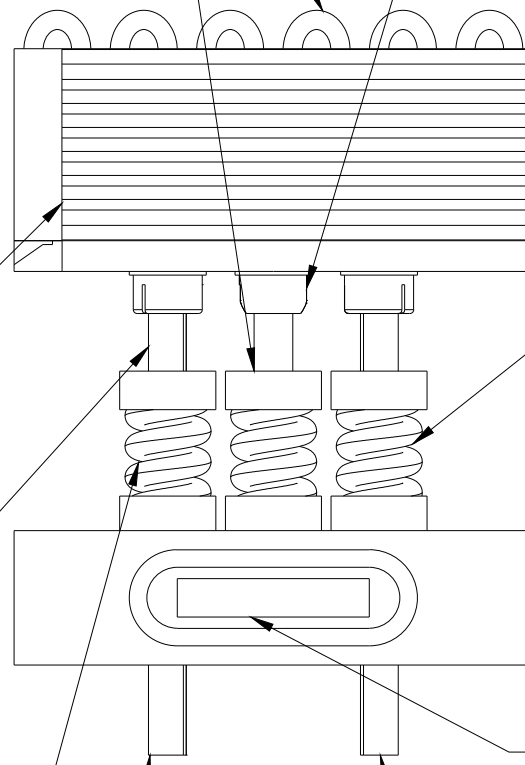
3. The cooled air is fed to the heating chamber

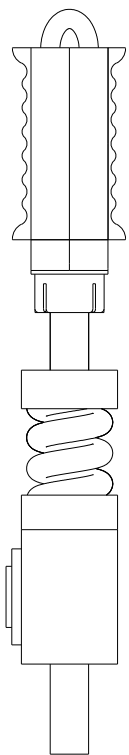
8. Algorithm returns air purity and other vectors in the screen

2. Using a cooling electrical sistem, air goes through this spiral, while is being colled fastly

9. Clean Air is returned, throught the smaller nozzle

1. Using a pump or air compressor air is pushed into the sistem.  
In this phase air is at an  $N$  (unknown) temperature



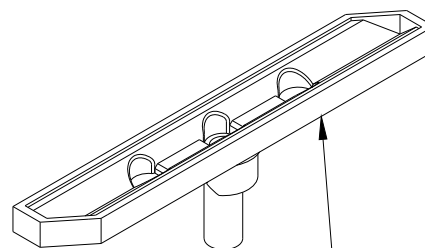
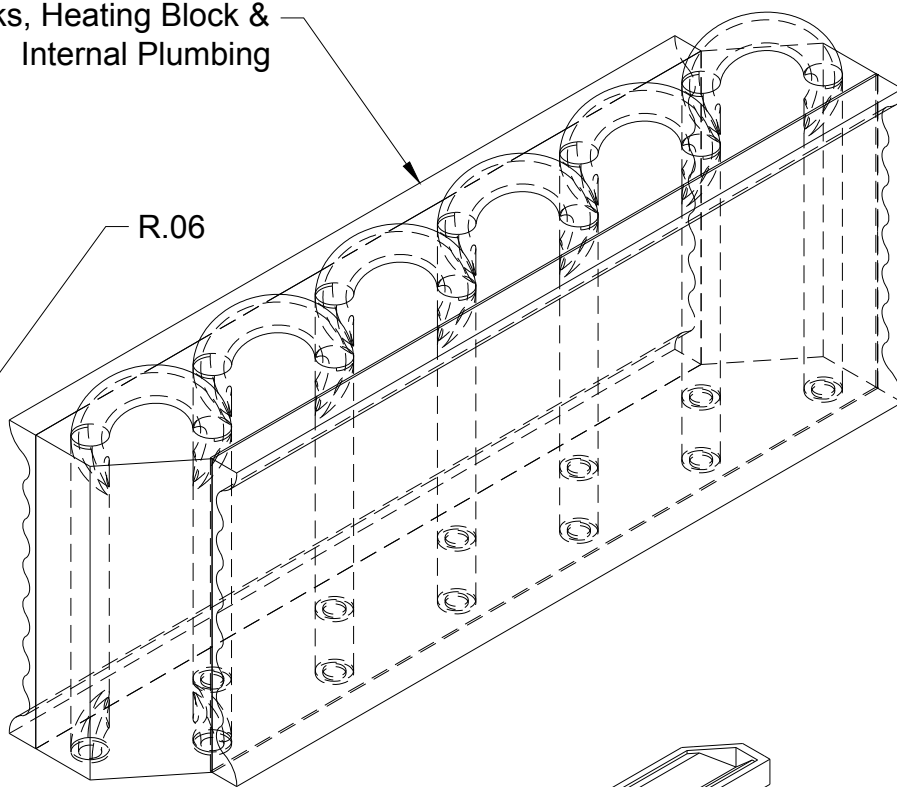


Heat Sinks, Heating Block &  
Internal Plumbing

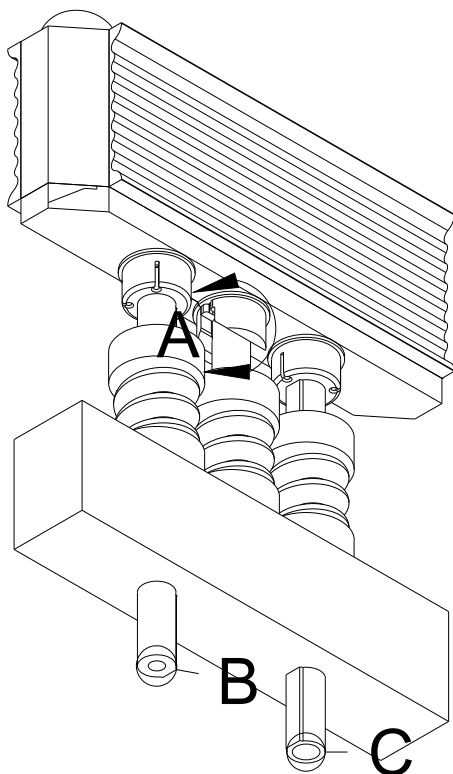
R.06

R.04

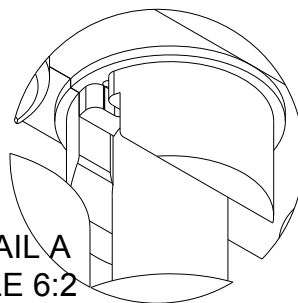
Hollow Core



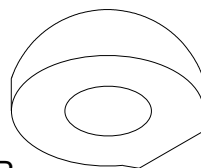
Center Nozzle &  
sink



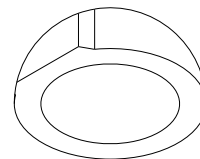
DETAIL A  
SCALE 6:2



DETAIL B  
SCALE 10:2



DETAIL C  
SCALE 10:2



Detailed View