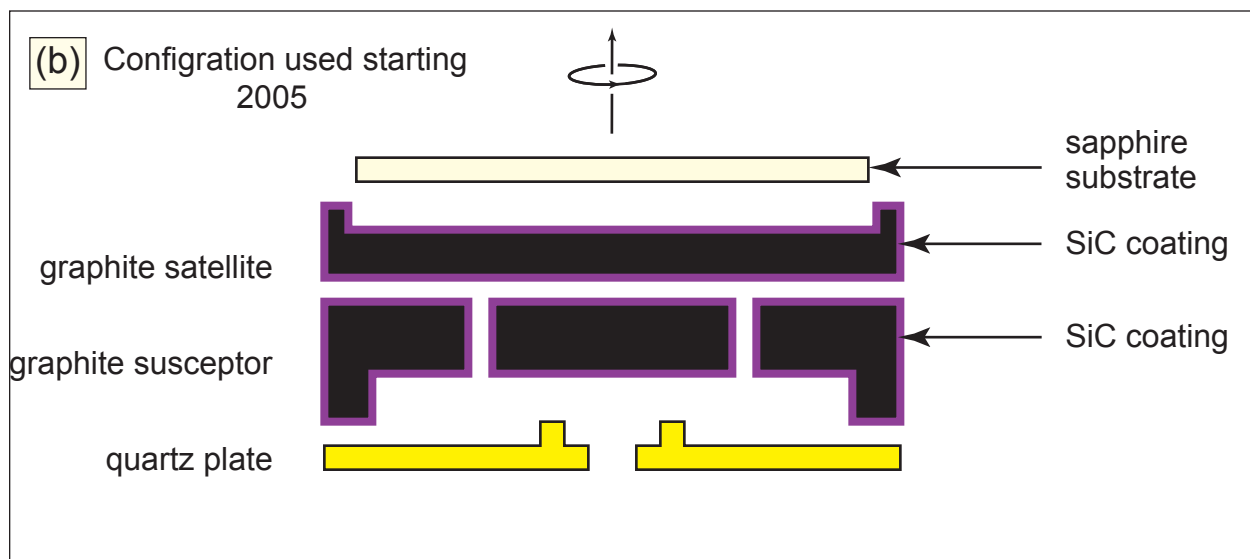
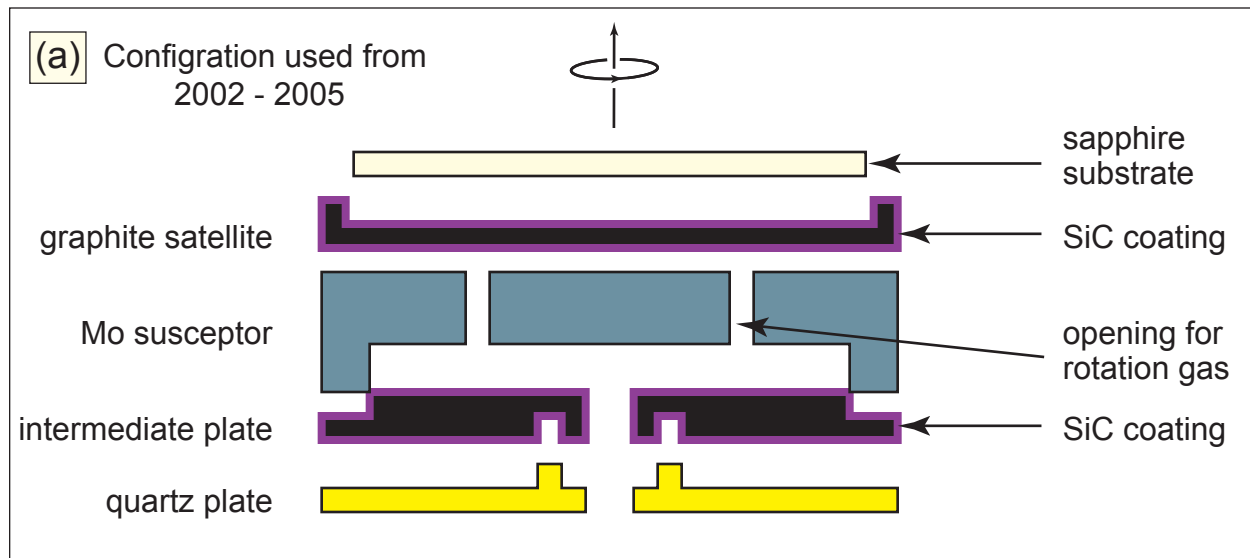


MOCVD susceptor and satellite



- The graphite plate absorbs the RF power and thus heat up.
- In the first case (a), heat will transfer to sapphire substrate from the high temperature intermediate plate through molybdenum susceptor and graphite satellite.
- Molybdenum plate is used to increase the thermal uniformity, but it also decrease the thermal coupling efficiency.
- More energy will be lost to the cooling water instead of transferring heat to the satellite.
- In the second case (b), the graphite susceptor and the satellite are heated by RF power and less energy loss is obtained due to efficient thermal coupling.