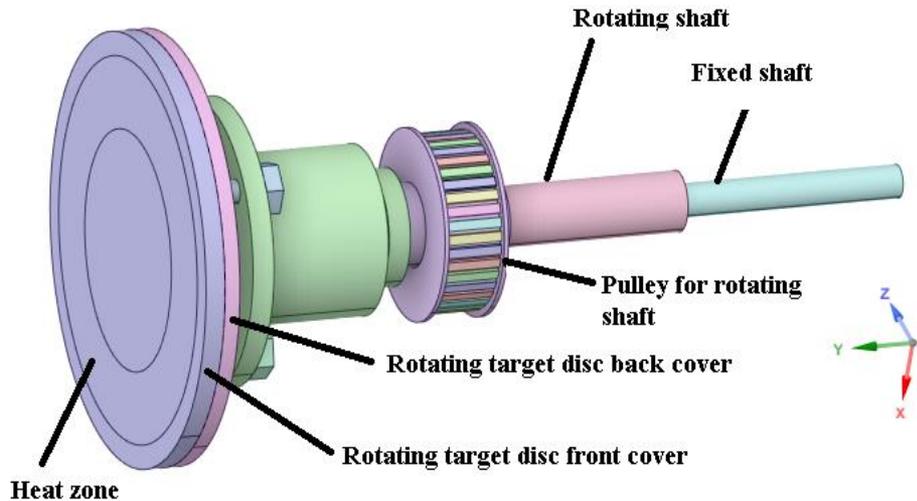


# A CFD Analysis of the Rotating Target Holder of the 14-MeV neutron generator

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The paper presents the simulation of the flow parameters like velocity, mass flow rate and the speed of the rotation of the Rotating target holder to carry over the heat generated during high energy neutron impacted on the target holder.

The rotating target disc front cover is having heat affected zone of 7 kW. The fluid flows in between the annular gap of the rotating target front and back cover while entering from central hollow fixed shaft and exiting from annular gap of fixed and rotating shaft.

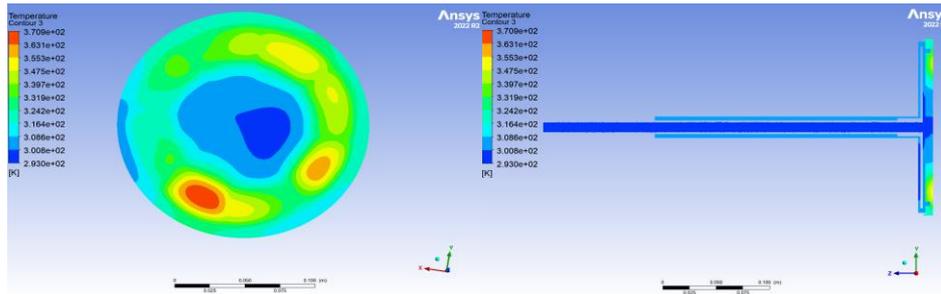


Figure - 1 Design model and CFD image of Rotating target holder

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<https://www.sciencedirect.com/science/article/pii/S0920379623006610>