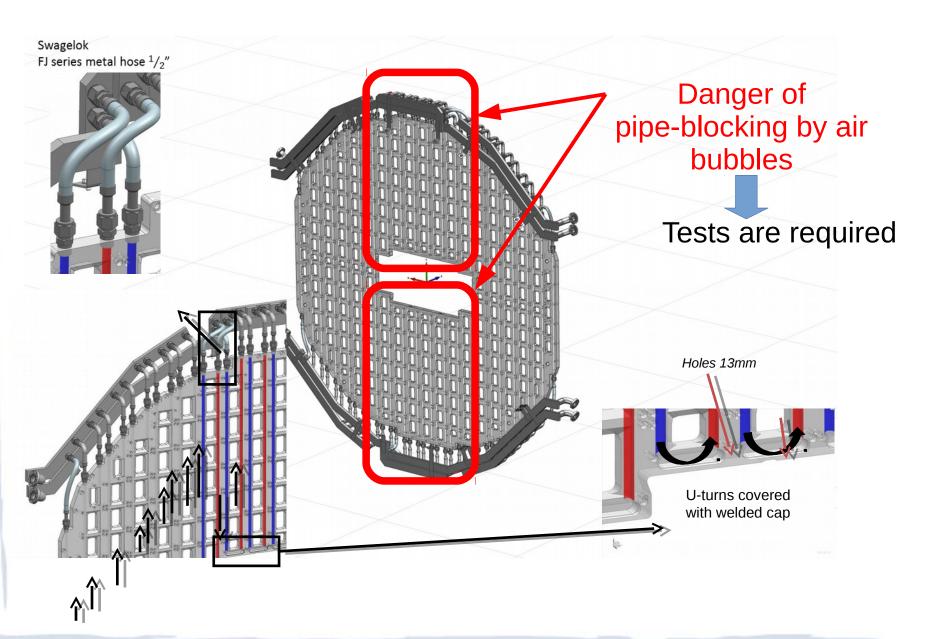


Mounting Plate Cooling

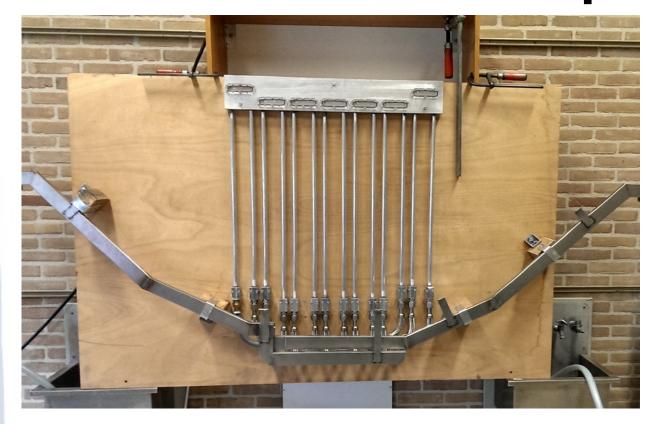






Cooling-Circuit Test Set-up





- Monitoring of the liquid flow
- Monitoring of presence of air-bubbles
- Tests of individual U-turns
- Test of a complete cooling circuit

Results of tests:

- Air bubbles in a single U-turn are removed at a liquid flow >25 cm/s (~70 cm/s is nominal for cooling)
- Some U-turns always remain blocked by air bubbles in a complete cooling circuit

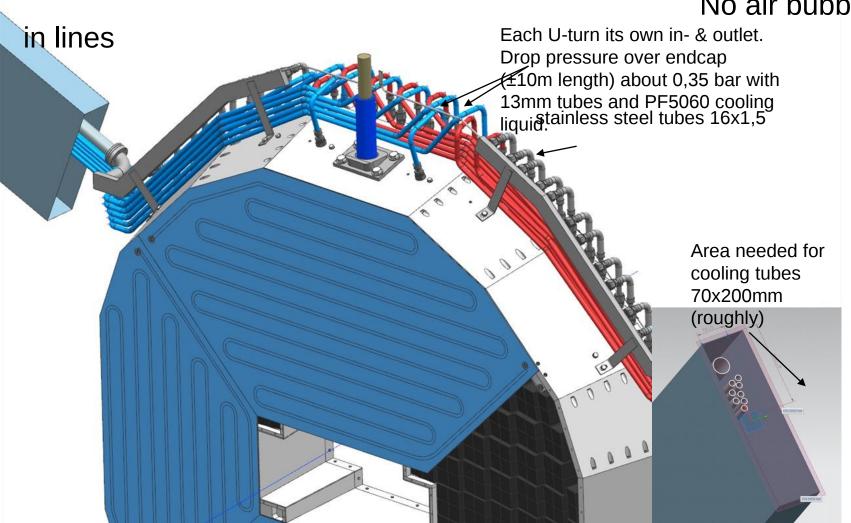


Cooling of the Central Part of the Endcap

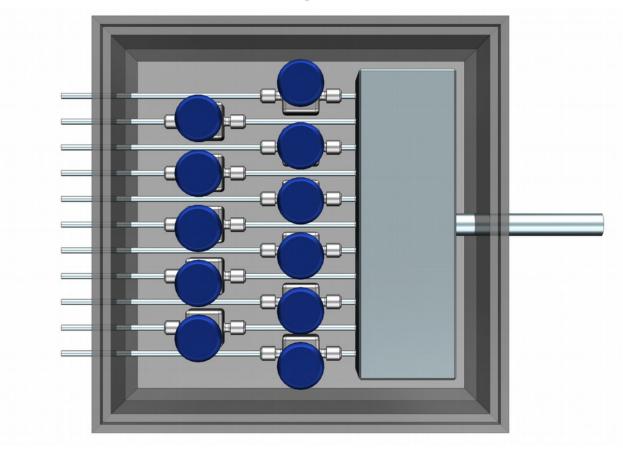


Individual supply for each U-turn is possible → External control on the flow in each line \rightarrow

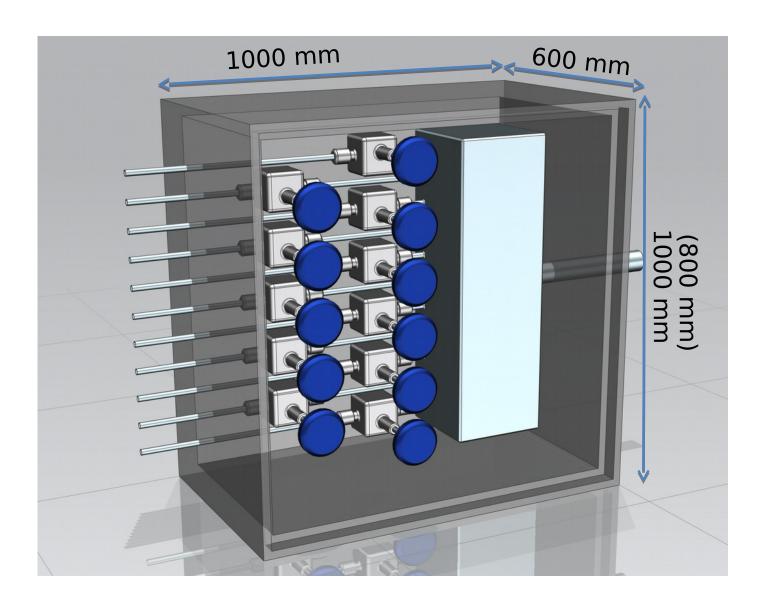
No air bubbles



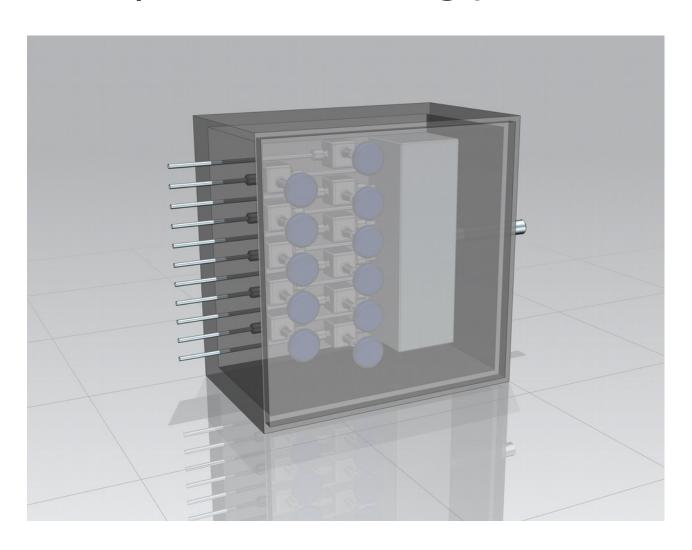
FwEndcap EMC Cooling Junction Box



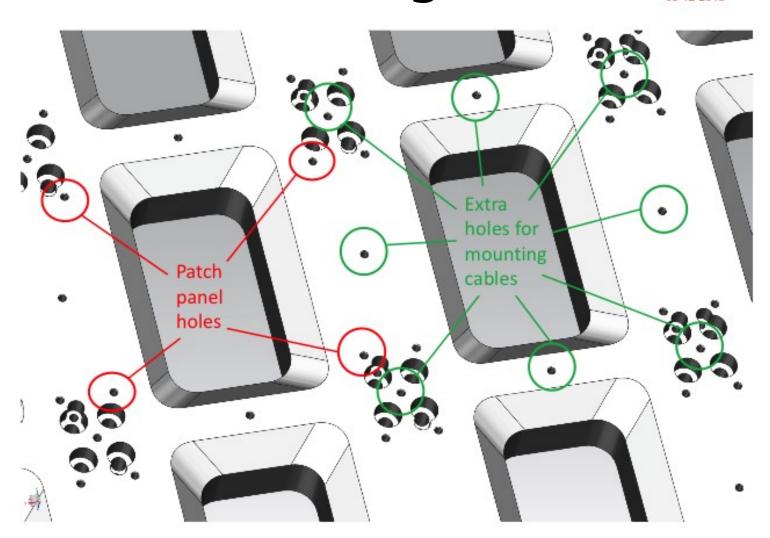
FwEndcap EMC Cooling Junction Box 2 with 11 (+ 2 with 7) valves



FwEndcap EMC Cooling Junction Box



Mountingplate: final changes



Mountingplate: final changes

