

- a) The extra 5% is done to safeguard against the time it would take to bring down pressure if it exceeds the max. valve.
 - The additional 6% is added to take care of the reduction in thickness at the torus section
 - Since negligible corrossion occurs over the lifetime, the allowance for the same is taken to be less than that of the pressure versel where its prominent
 - d) This is done to prevent leakage of internal flind under operating pressure due to the hydrostatic end force that tends to separate the flange,
 - e) On the upwind side, the dead weight stress is helping in reducing the oncoming stess dre to it being in the apposite direct.

But in the downwind side it acts with the origing stress & thre is added to the thickness

Cal culation.