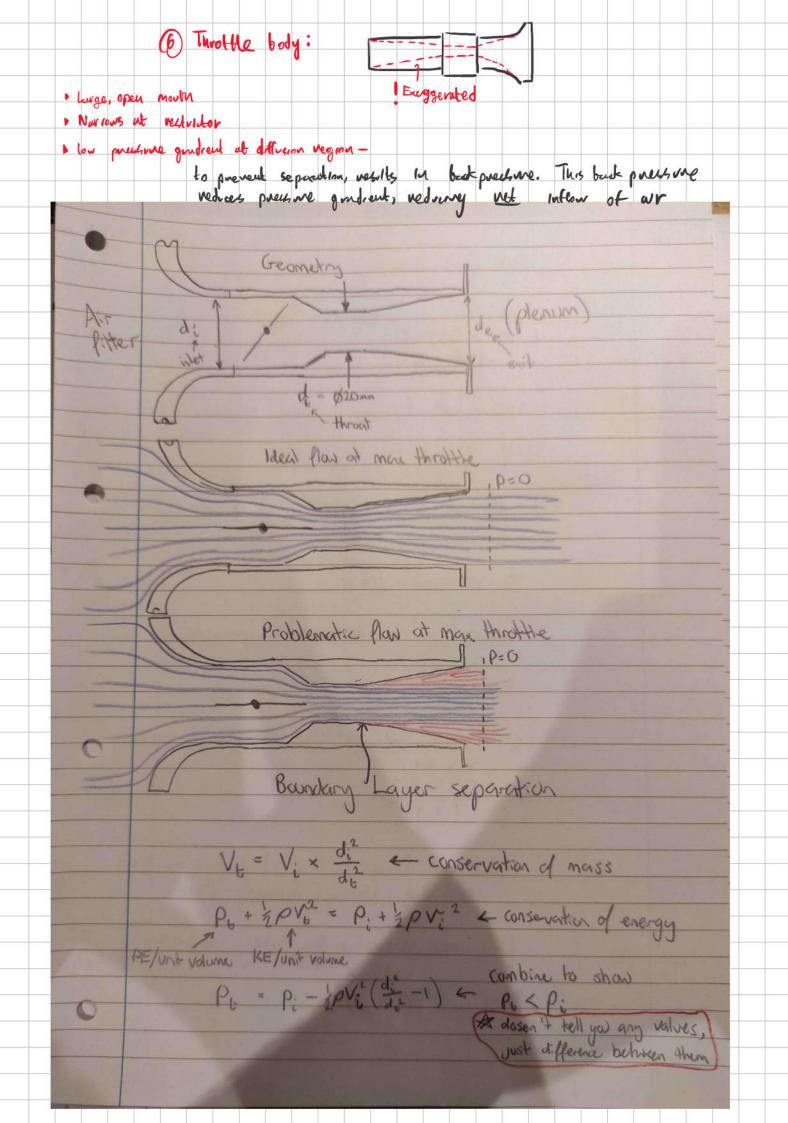


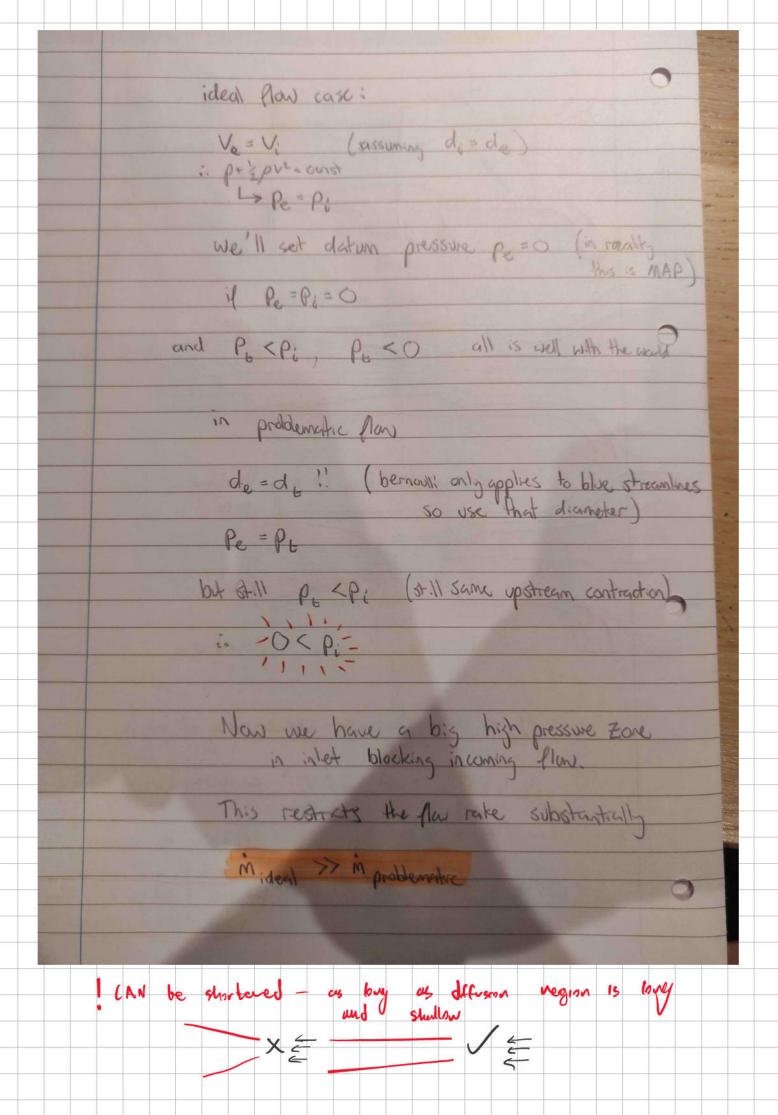
While 290mm is an upper bound for the runner length, this does includ the curved path length of the injecto holders as well. Overall then, the length limit is lower.

From the simulations, there i a greater drop-off at high end (high RPM) torque for longer lengths, so actually a shorte runner length is better.

Effective cross-sectional area facing in direct air flow is also an issue- try to keep this fixed, but avoid making the angle any further vertical.

Relevant for 'ram' air effect.





## 1 Pura vetensulton:

Consider some variable which is the horizontal overhang of the thrrottlebody an air filter in front of the rear roll hoop plane.

We can select a geometry, such that adjusting a variety of parameters: Runner straight section length, injector holer bend radius, Plenum longitundinal length etc... gives the following outputs: (1) Overhang in x in front of rollhoop (2) Vertical height of throttlebody mouth

