



- 1) System flow rate = 35 GPM.
- 2) Approximate friction loss via pipe ($\phi 2"$) & all fittings from point A to B = 4.5' of head
- 3) Maximum suction lift estimated = 4'-9"

This is based on the difference in the liquid level (minimum) in the tank & pump suction and the system being always primed. It is expected that the Anti Siphon valve will hold the diesel in the suction tube as soon as the vane pump is shut.

However the maximum or highest point on the system C is about 11' from tank bottom.

Will the pump have to work against this 10' (11' - 1' of minimum liquid level) or 3'-9" (4'-9" - 1' of minimum liquid level)?