

SUCTION SIDE PULSATION,

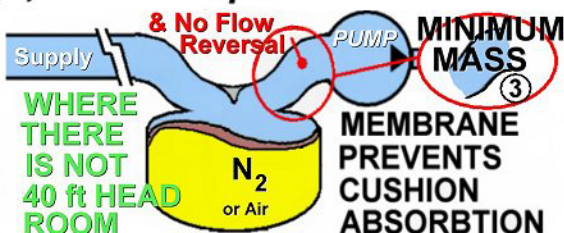
The Answer 2 DO's and 2 DON'T's

"Started" for Recip. Pumps means each suction stroke.

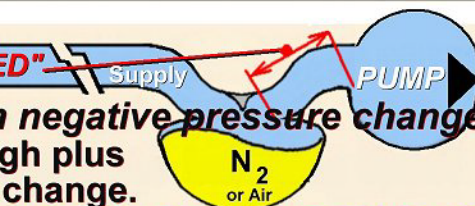
NO PRESSURE PAD

Suction supply system instability, is easier to prevent, than to allow-then try to cure.

1, Provide the pump with a local source of volume at minimal pressure, so that the mass to be accelerated is negligible^③. The volume must be able to change, without a pressure fall.

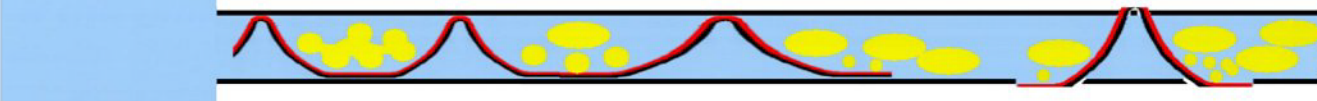


2, **INTERCEPTERS ARE "CLOSE COULPED"** De-Couple the supply column from negative pressure changes
De-Couple = Intercept by pass-through plus direction change.

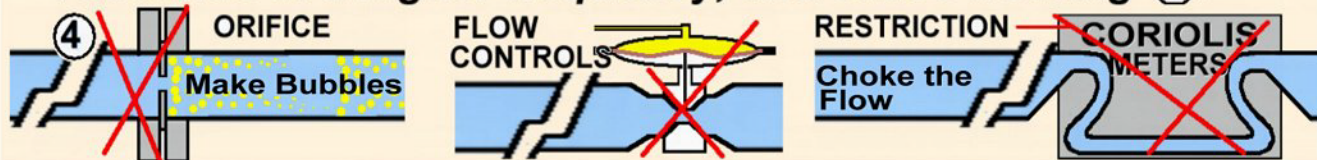


LOCAL SUCTION VOLUME ELASTICITY IS AN ESSENTIAL.

~~1, Do not force gasses into solution with nitrogen or air pads, they will come straight out when the pump starts, and increase the instability discussed on "PROBLEM" page.~~



2, Do not insert orifices or restrictions, they will cause wave rebounds at a higher frequency, and cause frothing ^④.



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