

SUCTION SIDE PULSATION,

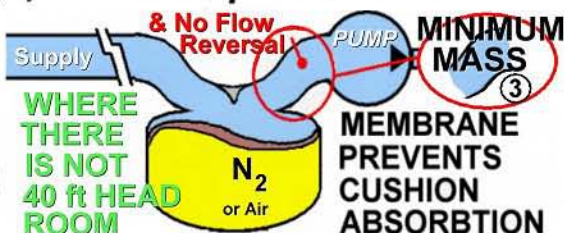
The Answer 2 DO's and 2 DON'T's

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

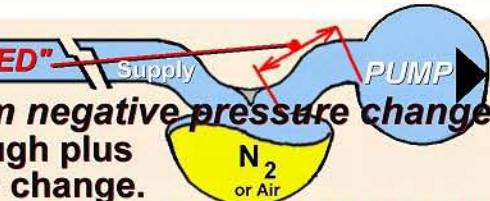
NO PRESSURE PAD

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.

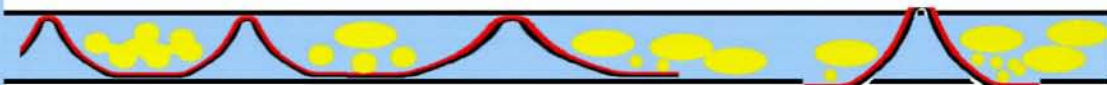


2, **INTERCEPTERS ARE "CLOSE COULPED"** De-Couple the supply column from negative pressure changes
De-Couple = Intercept by pass-through plus direction change.

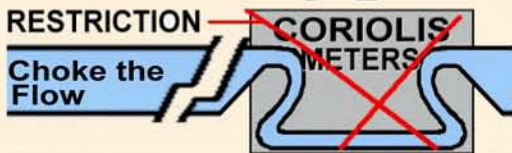
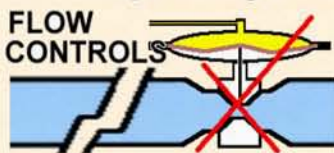
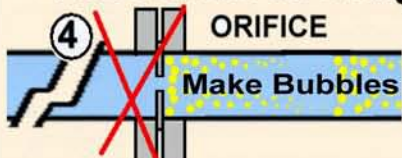


LOCAL SUCTION VOLUME ELASTICITY IS AN ESSENTIAL.

~~1, PAD~~ 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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