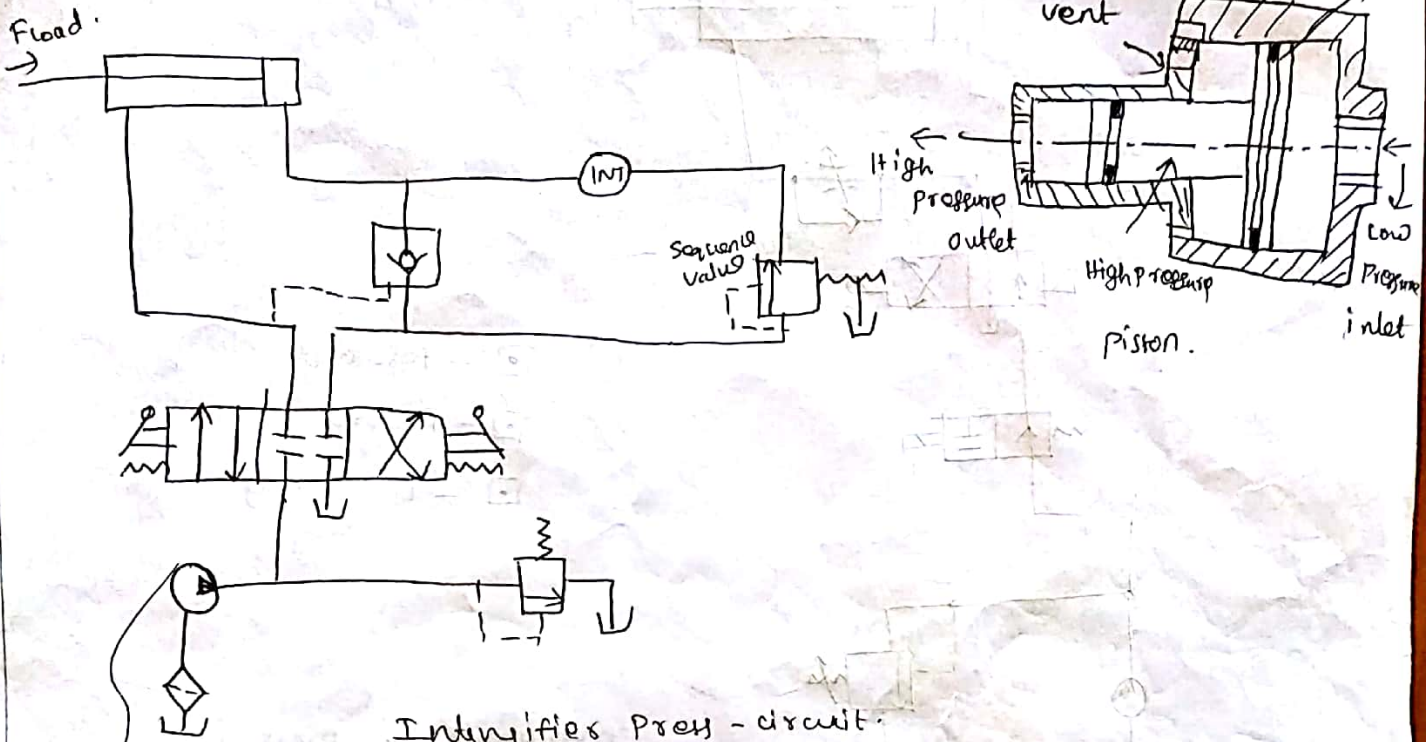


Applications of Intensifier Press circuit :-

Punching - Press application.

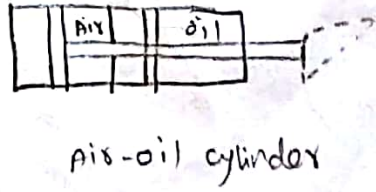
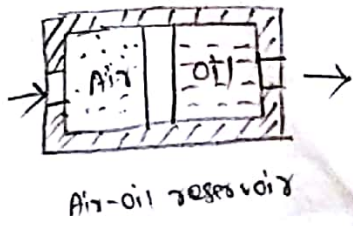


The intensifier should be installed near the cylinder to keep the high pressure lines as short as possible

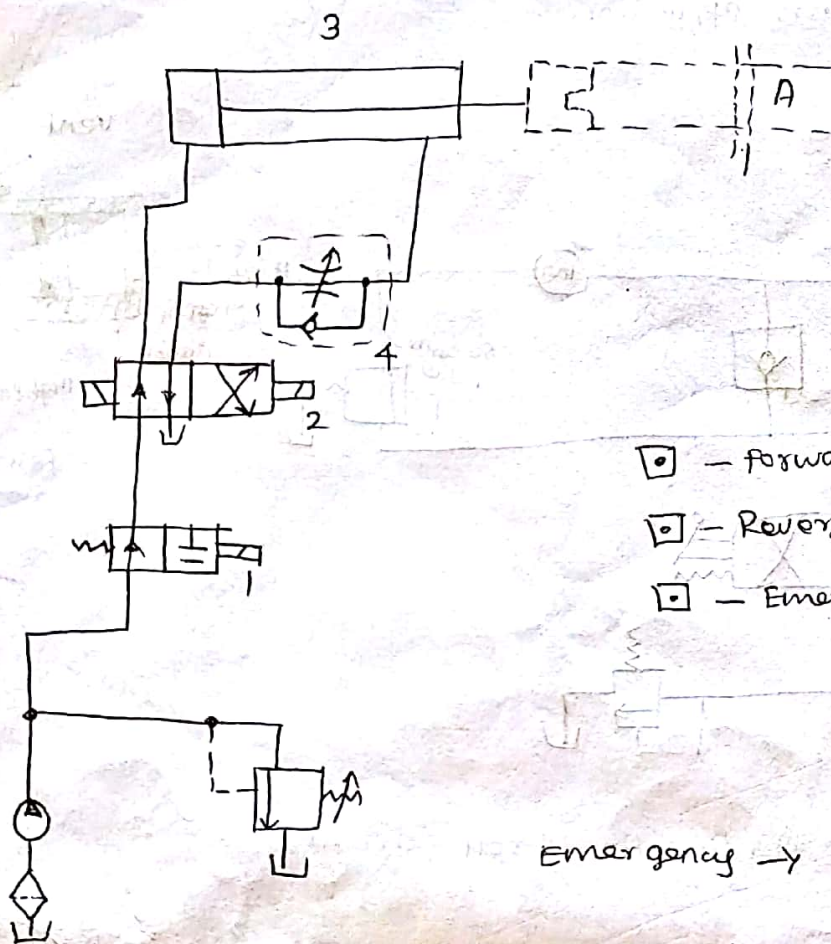
$$\text{Intensification ratio} = \frac{P_2}{P_1} = \frac{A_1}{A_2}$$

Hydro Pneumatic Circuits :-

- * Air-oil reservoir
- * Air-oil cylinder
- * Air-oil intensifier.



Fair-Safe circuit



- - forward
- - Reverse
- - Emergency

Emergency → press 1

forward + reverse → press 2

when an accident occurs, the operator has to stop all the hydraulic actions.

for this, an emergency cut off valve is installed b/w the pump and the master control valves.

