

Open Discharge PSV system for Gas or Steam Service with discharge pipe is with 90 deg elbow at the outlet end.

Point of Discharge is 'C'

Please refer the attached sketch.

The forces to be considered in static analysis in pop up condition

- 1)  $F_1$  &  $F_2$
- 2) Shall we consider the cancelling effect of  $F_3$

Somebody please clarify.

Thanks

