

## Restriction Orifice

## Model : WZ 300 Series

### DESCRIPTION

#### ■ Sing Plate Single Hole & Single Pate Multi Holes

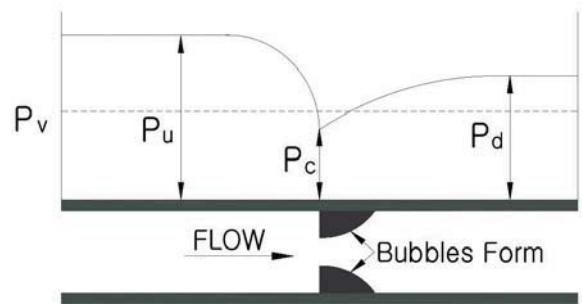
The restriction orifices are used for reducing fluid pressure and are designed somewhat different from the measuring orifice plate. This plate have the same sharp with measuring concentric bore type orifice plate except for that is not beveled.

#### ■ Multi Stage Type

used for reducing cavitations for liquid and sonic for gaseous to generate noise or vibration, and accelerate the erosion to the piping.

$P_u$  is the pressure upstream of the orifice,  $P_c$  is the Vena-Contractor pressure,  $P_d$  is the pressure  $P_d$  must be higher than the vapor pressure,  $P_v$ , of the flowing fluid. If  $P_c$  falls below  $P_v$ , bubbles form, the first stage of cavitations. As the fluid moves downstream, the bubbles collapse under the higher pressure,  $P_d$ , in the final stage of cavitations.

This type is



Model : WZ 410 Series (MRO)



Model : WZ 410 Series (FE\_RTJ)



Model : WZ-410 Series (RO\_RF)