

# Engineering Data

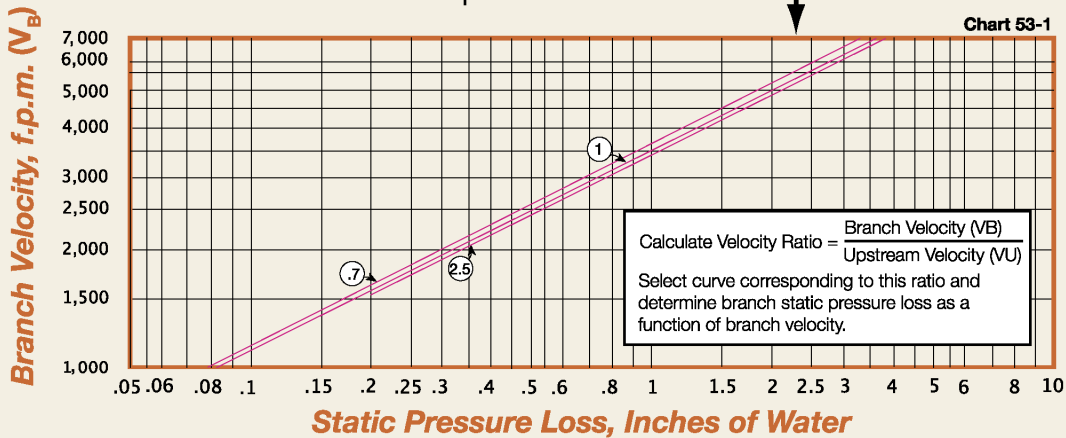
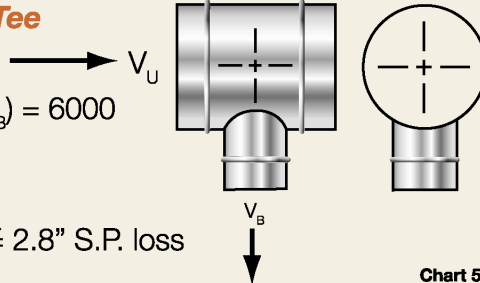
## Static Pressure (SP) Loss in 90° Tees & Conical Tees

### Static Pressure loss in 90° Tee

Example: Main ( $V_U$ ) = 4000, Branch ( $V_B$ ) = 6000

$$\text{Velocity Ratio} = \frac{V_B}{V_U} = \frac{6000}{4000} = 1.5$$

From Chart: 1.5 Ratio @ 6000 f.p.m.  $\approx$  2.8" S.P. loss



### Static Pressure loss in 90° Conical Tee

Example: Main ( $V_U$ ) = 4000, Branch ( $V_B$ ) = 6000

$$\text{Velocity Ratio} = \frac{V_B}{V_U} = \frac{6000}{4000} = 1.5$$

From Chart: 1.5 Ratio @ 6000 f.p.m.  $\approx$  2.3" S.P. loss

