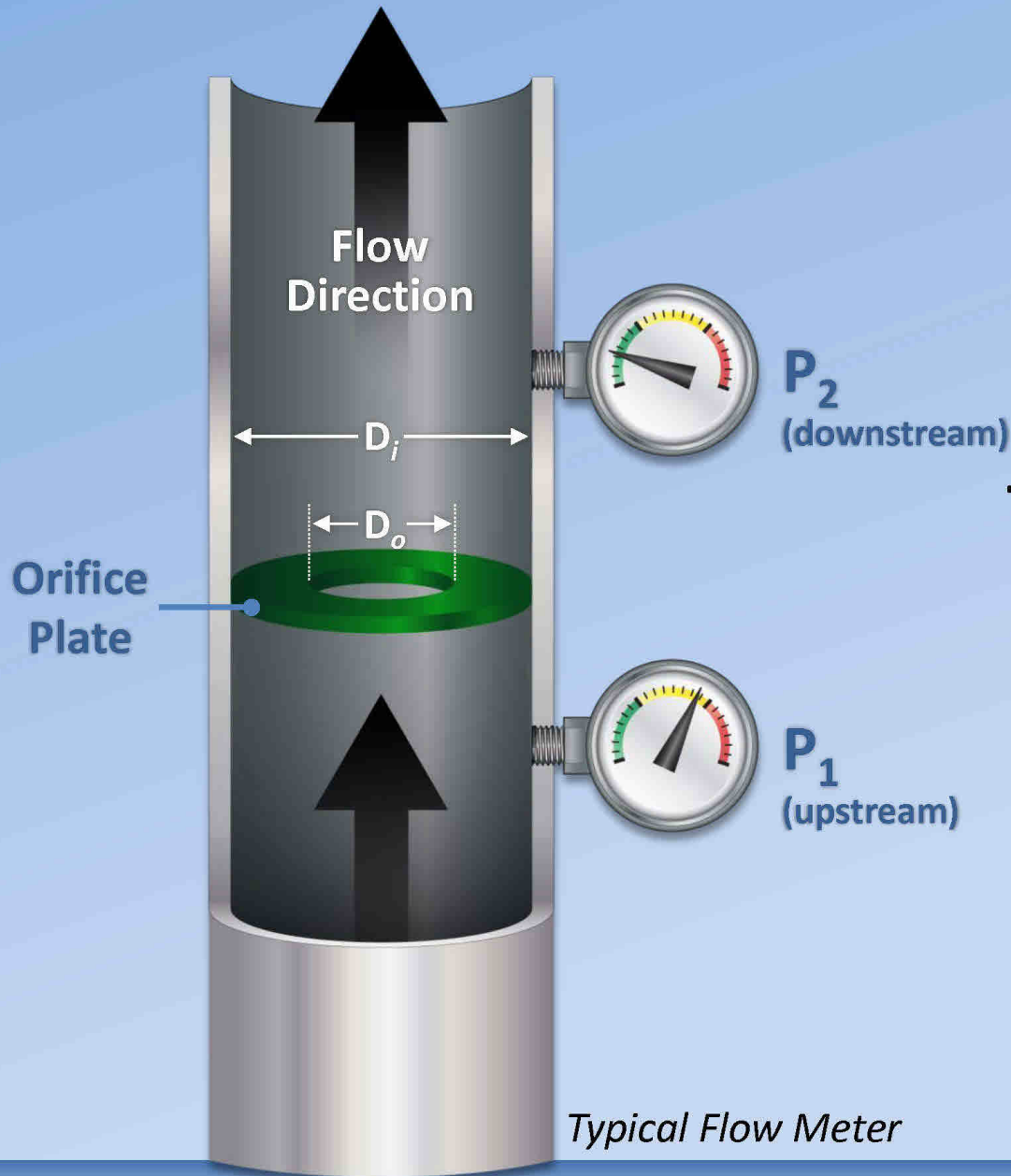


Measuring Flow

Standard Mechanical Engineering Calculation



Measure Flow via
Two Pressures and a Resistance

$$\Delta P = K \rho v^2 / 2$$

Resistance (pointing to K)
Velocity (pointing to v)
Density (pointing to ρ)

$$\text{Standard Barrels per Day} = \rho v A$$

Area (pointing to A)

Typical Flow Meter