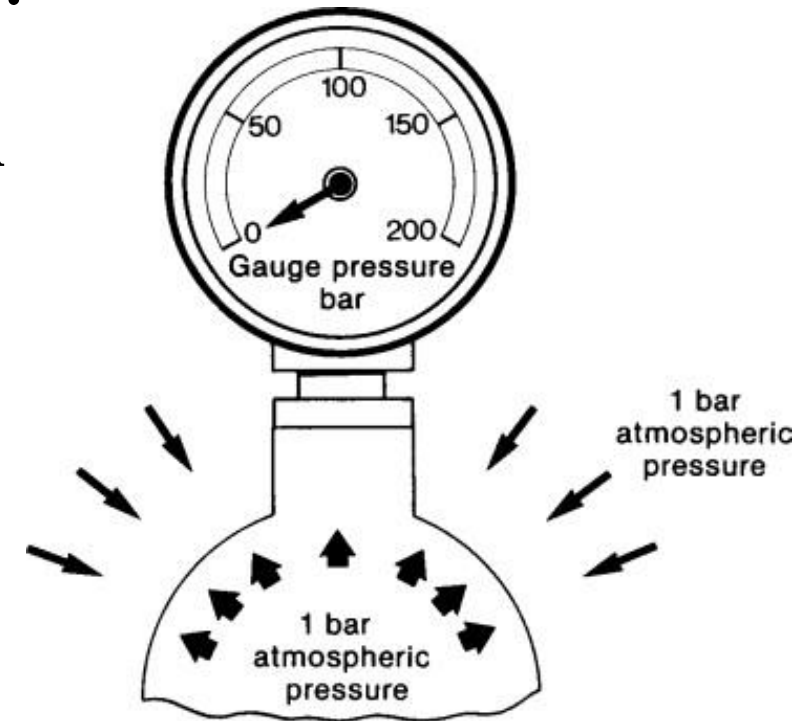
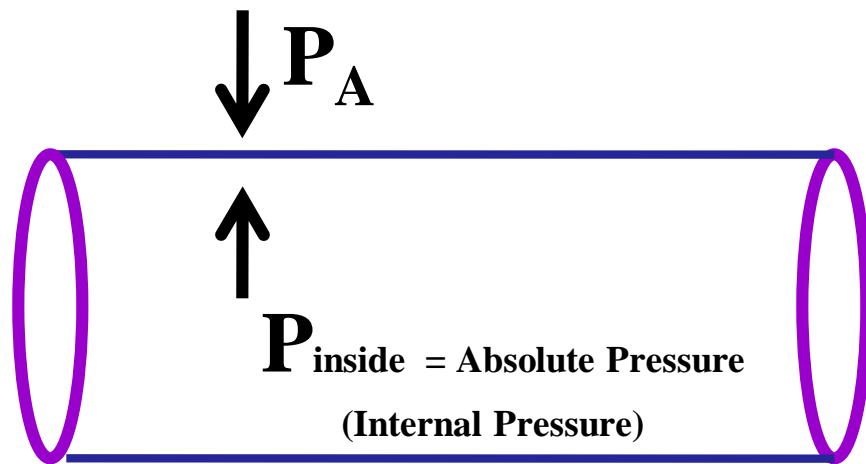


# Gauge Pressure

- Pressure gauges (like tire gauges, etc.) measure difference between atmospheric pressure  $P_A$  & internal pressure (of tire, for example).
- **Gauge pressure:**  $P_G = P - P_A$



## **The Blood Pressure is a Gauge Pressure**

This is quite obvious when you look at numerical values. A normal systolic pressure is about 120 mmHg . A typical atmospheric pressure is about 760 mmHg. Since the blood pressure is lower than the atmospheric pressure, it can only be a gauge pressure. The corresponding absolute pressure would be about 880 mmHg.

# The Normal Blood Pressure is 120/80 mm-Hg

