

Laminar and Turbulent flow Image: state of the state





Many sensors measure flow rate.

Mass flow rate: mass transferred per unit time (kg/s)

Volumetric flow rate: volume of material per unit time (m³/s)

In gas systems, mass and volume rates are expressed in volume flow.

Mass flow referenced to STP (standard temperature and pressure) and converted to equivalent volume flow (eg sccm = standard cubic centimetres per minute)









CVD diamond growth reactor































· Good for Doppler shift intruder alarms (demo)























