

>HOW A PITOT TUBE WORKS<

The pitot tube works on the principle that the flowing material creates a higher than static pressure on the upstream side of the tube; hence, when the flowing material passes the sensor a lower pressure is created by the tube disturbing the flow stream. This pressure is normally measured in inches of water column. The readout device will take the higher reading and subtract the lower reading from it and provides the answer in D/P signal. This answer is used to indicate the amount of flow. This answer is used to calibrate the Gauges and D/P transmitters or other types of readout devices.

