

The angular/polar response of the Microflow is the same as that associated with a differential pressure microphone – *i.e.* a figure-8 pattern, as shown in the figure below for

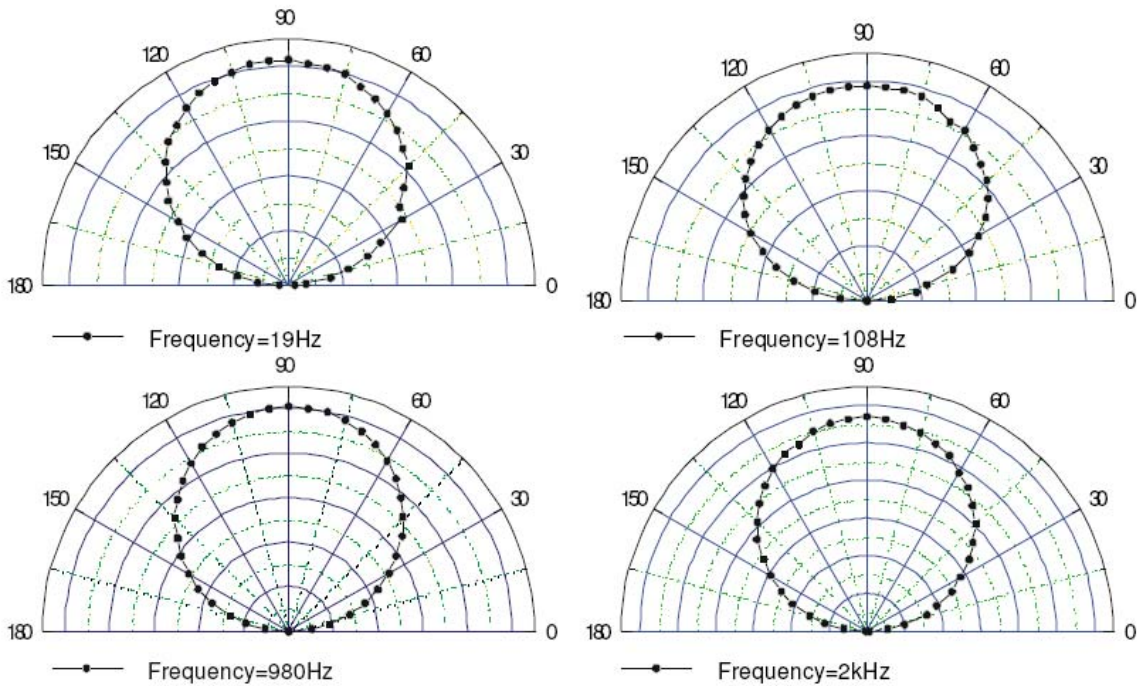


Fig. 3.21: Polar patterns of a 1/2" ICP Microflow at different frequencies (linear scale, only half the response is measured).

various frequencies:

Three orthogonal Microflows can be used to measure the local 3-D vector particle velocity $\vec{u}(\vec{r}, t)$. Used in conjunction with a small electret condenser pressure microphone to measure the local over-pressure $p(\vec{r}, t)$, the Ultimate Sound Probe (USP) was developed by Microflow, as

