



Vortex Flow Meters

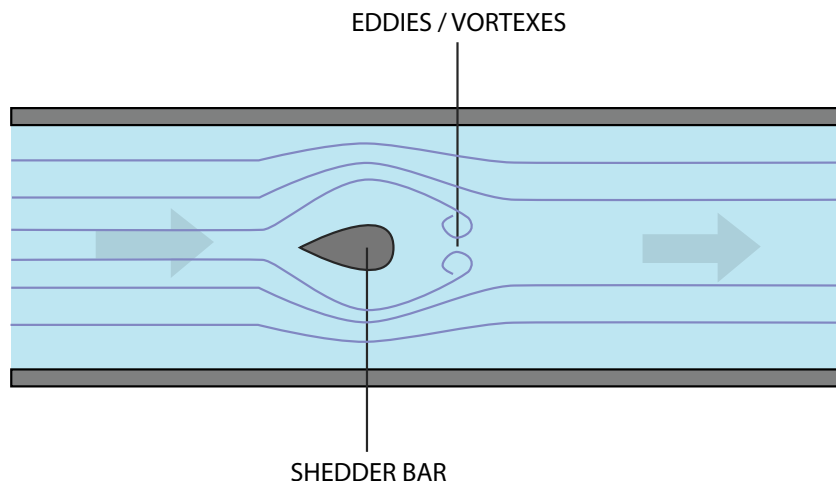
Vortex Flowmeters for Gas and Liquid Applications

Method

A vortex flowmeter places a precision-built element - called a 'shedder bar' - into the path of your flow.

As your liquid or gas flow bends around the obstruction, it creates eddies (or vortices) on the downstream side where the media is rushing back in to fill the low-pressure void.

The eddies occur on opposite sides of the bar - first on the left, then on the right. The eddy formation is so predictable that by monitoring the frequency of these impacts on the shedder bar, you can calculate an accurate flow rate. The bar effectively vibrates faster based on the speed of your flow.



Advantages

- Suitable for a range of liquids and gasses

Disadvantages

- Not suitable for liquids with suspended solids or dirty gasses
- Requires a constant pressure and temperature in gas applications in order to be accurate
- Not suitable for certain ranges of pressure, temperature or flow rate

